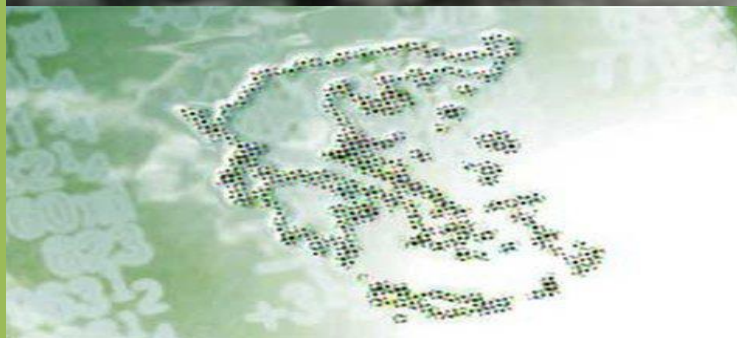




ΠΑΝΤΕΙΟ ΠΑΝΕΠΙΣΤΗΜΙΟ
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Η ΠΕΡΙΠΤΩΣΗ ΤΗΣ ΕΛΛΑΔΑΣ. ΜΙΑ ΑΝΑΛΥΣΗ ΕΙΣΡΟΩΝ
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ΣΠΟΥΔΩΝ

ΟΙΚΟΝΟΜΙΚΗ ΕΠΙΣΤΗΜΗ

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ΕΙΣΡΟΩΝ – ΕΚΡΟΩΝ**

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ΚΑΤΣΙΝΟΣ ΑΠΟΣΤΟΛΗΣ

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1.Πρόλογος

Όπως είναι γνωστό κάθε κράτος έχει στη διάθεσή του δύο εργαλεία άσκησης της οικονομικής του πολιτικής, την νομισματική και την δημοσιονομική πολιτική. Οι κυβερνήσεις χρησιμοποιούν αυτές τις πολιτικές για να βοηθήσουν την χώρα σε περιόδους οικονομικής διαταραχής. Η πολιτική που θα χρησιμοποιηθεί έγκειται στη κρίση της κυβέρνησης και μπορεί να είναι ακόμα και συνδυασμός των δύο πολιτικών. Στη παρούσα εργασία μας αφορά άμεσα η νομισματική πολιτική, έτσι θα ασχοληθούμε μόνο με αυτή.

Η νομισματική πολιτική υπαγορεύεται από την κυβέρνηση της χώρας και την αρμοδιότητα εκτέλεσής της την έχει η κεντρική τράπεζα της χώρας. Δύο από τις βασικότερες έννοιες αυτής της πολιτικής είναι η υποτίμηση και η ανατίμηση του νομίσματος. Υποτίμηση (devaluation) ονομάζεται η μείωση στην συναλλαγματική ισοτιμία (ανταλλακτική αξία) ενός νομίσματος σε σχέση με ένα ξένο νόμισμα ενώ ανατίμηση (revaluation) είναι η αύξηση στην συναλλαγματική ισοτιμία.

Η υποτίμηση του νομίσματος μιας χώρας όπως μας εξηγούν στο βιβλίο τους οι Krugman Paul R. και Obstfeld Maurice «Διεθνής Οικονομική – Θεωρία και Πολιτική» είναι αποδεδειγμένα ένας τρόπος για να βελτιωθεί το ισοζύγιο τρεχουσών συναλλαγών¹ και η ανταγωνιστικότητα της χώρας. Οι θετικές όμως επιδράσεις της υποτίμησης, γρήγορα περιορίζονται και μακροχρόνια αντικαθίστανται με αύξηση του «κόστους» παραγωγής². Αυτή η αύξηση του «κόστους» παραγωγής έχει ως αποτέλεσμα να χάνει η οικονομία σε ανταγωνιστικότητα και το ισοζύγιο τρεχουσών συναλλαγών να επιδεινώνεται. Βέβαια εκτός από τις επιδράσεις της υποτίμησης στο «κόστος» παραγωγής μακροχρόνια υπάρχουν και επιπτώσεις στις τιμές των προϊόντων (που θα αναλύσουμε στη εργασία μας), στην κατανομή του εισοδήματος και στην απασχόληση³.

¹Krugman Paul R. & Obstfeld Maurice, (2002), Διεθνής Οικονομική – Θεωρία και Πολιτική, Αθήνα, Εκδόσεις «Κριτική», σελίδα 207και 237 – 239

²Θεόδωρος Μαριόλης – Χαράλαμπος Οικονομίδης – Γιώργος Σταμάτης – Νίκος Φουστέρης, 1997, Ποσοτική εκτίμηση των επιπτώσεων της υποτίμησης στο «κόστος» παραγωγής, Αθήνα, Εκδόσεις «Κριτική» σελίδα 1

³Για μία θεωρητική ανάλυση των μακροχρόνιων επιπτώσεων της υποτίμησης στις τιμές, στην κατανομή του εισοδήματος και στην απασχόληση, σε συστήματα απλής παραγωγής (single production) και συμπαραγωγής (joint production), βλ. Metcalfe and Steedman (1981) και Mariolis (2008), αντιστοίχως.

Πως όμως μεταβάλλεται το γενικό επίπεδο τιμών μετά από μία υποτίμηση; Ποίος είναι ο μηχανισμός μετάδοσης της επίδρασης της υποτίμησης στην ανταγωνιστικότητα και το ισοζύγιο τρεχουσών συναλλαγών; Η απάντηση στο πρώτο ερώτημα είναι ότι η μεταβολή του επιπέδου τιμών εξαρτάται από το μέγεθος της υποτίμησης αλλά και από το πόσο η παραγωγή της οικονομίας εξαρτάται από το εξωτερικό (ενδιάμεσες εισροές). Σχετικά με το δεύτερο ερώτημα που ειπώθηκε ο μηχανισμός μετάδοσης της επίδρασης της υποτίμησης έχει ως εξής: Η υποτίμηση του νομίσματος έχει αρχικά ως αποτέλεσμα να γίνονται φτηνότερα τα προϊόντα που παράγει η χώρα σε σχέση με τα προϊόντα των άλλων χωρών αλλά και τα προϊόντα των άλλων χωρών να γίνονται ακριβότερα για τους κατοίκους της χώρας που έκανε υποτίμηση. Αυτό αυξάνει τη ζήτηση των εγχώριων προϊόντων από το εσωτερικό (αφού η τιμή των εισαγόμενων προϊόντων αυξάνεται) και το εξωτερικό (άρα το εμπορικό ισοζύγιο βελτιώνεται). Ταυτόχρονα όμως γίνονται ακριβότερες οι εισαγωγές της χώρας αφού για να εισάγει τα ίδια προϊόντα απαιτούνται περισσότερες μονάδες εγχώριου νομίσματος. Οι ακριβότερες εισαγωγές και ειδικότερα τα ακριβότερα εισαγόμενα προϊόντα που χρησιμοποιούνται για την παραγωγή άλλων προϊόντων (ενδιάμεσες εισροές) έχει ως αποτέλεσμα να εκτινάσσει το «κόστος» παραγωγής των προϊόντων και να αυξάνει τον πληθωρισμό. Τέλος, η αύξηση του «κόστους» παραγωγής επιδεινώνει την ανταγωνιστικότητα, το εμπορικό ισοζύγιο και κατ' επέκταση το ισοζύγιο τρεχουσών συναλλαγών της χώρας.

Βέβαια το οικονομικό περιβάλλον και η άσκηση της οικονομικής πολιτικής μιας χώρας είναι τελείως διαφορετικά όταν μία χώρα ενταχθεί σε μία νομισματική ένωση. Με την ένταξη μιας χώρας σε νομισματική ένωση συνεπάγεται αυτόματα δύο πράγματα. Πρώτον την παραχώρηση της άσκησης της νομισματικής πολιτικής της χώρας στην κεντρική τράπεζα της νομισματικής ένωσης που αυτό κατ' επέκταση σημαίνει ότι η χώρα δεν μπορεί να χρησιμοποιήσει κανένα εργαλείο της νομισματικής πολιτικής και περιορίζεται μόνο στην άσκηση της δημοσιονομικής πολιτικής. Δεύτερον το οικονομικό περιβάλλον της χώρας χωρίζεται σε 2 τμήματα, στο εσωτερικό και το εξωτερικό οικονομικό περιβάλλον. Το εσωτερικό περιβάλλον το αποτελούν οι χώρες που είναι μέλη της ίδιας

νομισματικής ένωσης και το εξωτερικό περιβάλλον το αποτελούν οι χώρες που δεν είναι μέλη της ένωσης.

Σε μία τέτοια νομισματική ένωση ανήκει και η Ελλάδα, ενώ μέχρι το 2000 είχε το δικό της νόμισμα, την δραχμή, στη συνέχεια εντάχθηκε στην Οικονομική και Νομισματική Ένωση (ΟΝΕ), υιοθέτησε το ευρώ και άλλαξε τελείως ο τρόπος άσκησης της οικονομικής πολιτικής της χώρας καθώς και το οικονομικό περιβάλλον.

Έτσι, ενώ πριν το 2000 η Ελλάδα χρησιμοποιούσε ιδιαίτερα την νομισματική πολιτική (υποτίμηση το 1983 κατά 15% έναντι του ECU το 1985 κατά 15%, το 1998 κατά 12,1%, το 2000 ανατίμηση 3,5%)⁴ μετά το 2000 η πολιτική αυτή ασκείται από την Ευρωπαϊκή Κεντρική Τράπεζα (ΕΚΤ). Επίσης το οικονομικό περιβάλλον της Ελλάδας πριν και μετά το 2000 άλλαξε, έτσι πριν το 2000 το οικονομικό περιβάλλον διαμορφωνόταν μεταξύ της Ελλάδας και όλων των άλλων χωρών, ενώ μετά το 2000 χωρίζεται σε δύο τμήματα. Το εσωτερικό τμήμα που διαμορφώνεται ανάμεσα στην Ελλάδα και τις χώρες – μέλη της ΟΝΕ και το εξωτερικό τμήμα που διαμορφώνεται ανάμεσα στις χώρες μη μέλη της ΟΝΕ και την Ελλάδα.

Σύμφωνα με την έκθεση του Διοικητή της Τράπεζας της Ελλάδος⁵ το 39,1% των εμπορικών σχέσεων της χώρας αφορά το εξωτερικό περιβάλλον και το 60,9% αφορά το εσωτερικό (για την περίοδο 2004 – 2006). Επίσης οι κυριότεροι εμπορικοί εταίροι της Ελλάδας την ίδια περίοδο είναι η Γερμανία, η Ιταλία και η Γαλλία με 16,7%, 15,1% και 7% μερίδιο αγοράς αντίστοιχα.

Τέλος να πούμε ότι στη παρούσα εργασία υποθέτουμε ότι η Ελλάδα δεν ανήκει σε καμία νομισματική ένωση έχει το δικό της νόμισμα και ασκεί τη δική της νομισματική πολιτική.

⁴ Burda Michael & Wyplosz Charles, (2008), Ευρωπαϊκή Μακροοικονομική, Αθήνα, Εκδόσεις «Gutenberg» Σελ 56

⁵ Έκθεση του Διοικητή της Τράπεζας της Ελλάδος για το έτος 2009 σελ 154

2.Εισαγωγή

Η παρούσα εργασία πραγματεύεται το θέμα της υποτίμησης του εθνικού νομίσματος της Ελλάδας και τις επιπτώσεις που θα έχει μία τέτοια ενέργεια στο «κόστος» των εγχώριως παραγόμενων εμπορευμάτων. Ειδικότερα η εργασία απαντάει στο ερώτημα σε ποίο βαθμό η υποτίμηση επηρεάζει το επίπεδο τιμών των εγχώριων προϊόντων και κατ' επέκταση το «κόστος» παραγωγής.

Η μελέτη του συγκεκριμένου ζητήματος γίνεται με αφορμή τα σενάρια που κυκλοφορούν ευρύτατα σε εγχώριο και διεθνές περιβάλλον για το ενδεχόμενο απομάκρυνσης της Ελλάδας από τη ζώνη του ευρώ και της επιστροφής της σε εθνικό νόμισμα. Τα σενάρια αυτά αναζωπυρώθηκαν την τρέχουσα περίοδο λόγω της μεγάλης κρίσης που ταλανίζει την ελληνική οικονομία και που μεταφράζεται ως υπέρογκο δημόσιο χρέος που βαίνει αυξανόμενο (289.7 δις ευρώ το 2009, 328.6 δις ευρώ το 2010, 351.5 δις ευρώ το 2011 και 375.8 δις ευρώ το 2012 – σε ποσοστά του ΑΕΠ είναι αντίστοιχα 127.1%, 142.8% 157.7% 166.1%)⁶, υπερβολικά δημόσια ελλείμματα (15.4% του ΑΕΠ το 2009 και 10.5% του ΑΕΠ το 2010)⁷ και μείωση του ακαθάριστου εγχώριου προϊόντος (235 δις ευρώ το 2009, 230.2 δις ευρώ το 2010, 222.8 δις ευρώ το 2011 – ονομαστικές τιμές)⁸.

Ένας από τους σημαντικότερους λόγους της τρέχουσας οικονομικής κρίσεις της ελληνικής οικονομίας και της εμφάνισης των παραπάνω οικονομικών επιδόσεων (δημόσιο χρέος, έλλειμμα, και ανάπτυξη του ΑΕΠ) είναι ότι η χώρα υστερεί σε ανταγωνιστικότητα, με αποτέλεσμα το ισοζύγιο τρεχουσών συναλλαγών να είναι αρνητικό (-14% του ΑΕΠ το 2009, -11.8% του ΑΕΠ το 2010, -8.3% του ΑΕΠ το 2011 – σε πραγματικές τιμές)⁹. Έτσι πολλοί υποστηρίζουν ότι η χώρα πρέπει να επιστρέψει σε ένα εθνικό νόμισμα και να το υποτίμησει ώστε να βελτιώσει το ισοζύγιο τρεχουσών συναλλαγών.

⁶ http://ec.europa.eu/economy_finance/ameco/user/serie/ResultSerie.cfm

⁷ http://appsso.eurostat.ec.europa.eu/nui/show.do?dataset=gov_dd_edpt1&lang=en

⁸ http://ec.europa.eu/economy_finance/ameco/user/serie/ResultSerie.cfm

⁹ http://ec.europa.eu/economy_finance/ameco/user/serie/ResultSerie.cfm

Ειδικότερα, υποθέτοντας ως διατηρήσιμη τιμή ισορροπίας για το εξωτερικό χρέος, ως ποσοστό του ΑΕΠ, το 80% (υπόθεση διατηρησιμότητας του IMF) και ρυθμό μεγέθυνσης του ονομαστικού ΑΕΠ ίσο με 5%, προκύπτει ότι το ισοζύγιο τρεχουσών συναλλαγών, ως ποσοστό του ΑΕΠ, πρέπει να συμπιεσθεί στο μείον 3.8%. Ακόμη, λαμβάνοντας υπόψη οικονομετρικές εκτιμήσεις της ελαστικότητας του ισοζυγίου τρεχουσών συναλλαγών ως προς την πραγματική συναλλαγματική ισοτιμία, υπολογίζεται ότι αυτή η συμπίεση προϋποθέτει πραγματική υποτίμηση της τάξης του 22.1% με 46.6% (βλέπε Αναστασάτος, 2009, σσ. 13-15, καθώς επίσης και European Commission, 2010, pp. 3-5)¹⁰.

Ας αφήσουμε όμως τώρα τις οικονομετρικές εκτιμήσεις και του λόγους που με ώθησαν να μελετήσω αυτό ζήτημα και ας ξεκινήσουμε την ανάλυσή μας. Όπως αναφέραμε και προηγούμενος η εργασία αφορά την ελληνική οικονομία και είναι βασισμένη σε μεγάλο βαθμό στην εργασία των Μαριόλη, Οικονομίδη, Σταμάτη και Φουστέρη 1997 «Ποσοτική εκτίμηση των επιπτώσεων της υποτίμησης στο κόστος παραγωγής». Γενικά δεν υπάρχουν αρκετές μελέτες και αναλύσεις εισροών – εκροών που να πραγματεύονται θέματα σχετικά με το «κόστος» παραγωγής και την επίδραση στο επίπεδο τιμών των προϊόντων στην ελληνική οικονομία. Μία τέτοια μελέτη και ανάλυση έχει πραγματοποιηθεί από τους Γκαργκάνα, Ν. Χ. και Μομφεράτο, Π. Χ. (1979) που έχει τίτλο Διακλαδική Ανάλυση της Συμβολής του Κόστους στη Διαμόρφωση των Τιμών στην Ελλάδα και αφορούσε την ανάλυση εισροών-εκροών για τη συμβολή του «κόστους» στη διαμόρφωση των τιμών στην Ελλάδα, την περίοδο 1971-1978¹¹.

Οι κύριες διαφορές της παρούσας εργασίας με την εργασία Μαριόλης *et al.* (1997) έγκεινται στο ότι :

→ η παρούσα εργασία βασίζεται στους πίνακες εισροών – εκροών του 2005 (τελευταία διαθέσιμα στοιχεία) ενώ η αρχική βασίζεται στους πίνακες εισροών – εκροών του 1988.

10 Αναστασάτος, Τ. (2009) Προς ένα νέο ελληνικό αναπτυξιακό πρότυπο: επενδύσεις και εξωστρέφεια, Eurobank Research: Οικονομία και Αγορές, 5 (7), Νοέμβριος και European Commission (2010) The Economic Adjustment Programme for Greece, European Economy, Occasional Papers 61, May 2010, Brussels, European Commission, Directorate-General for Economic and Financial Affairs.

11 Γκαργκάνα, Ν. Χ. και Μομφεράτο, Π. Χ. (1979) Διακλαδική Ανάλυση της Συμβολής του Κόστους στη Διαμόρφωση των Τιμών στην Ελλάδα, Αρχεϊον Μελετών και Ομιλιών, Αθήνα, Τράπεζα της Ελλάδος

→ στη παρούσα εργασία ο πίνακας εισροών – εκροών έχει διαστάσεις (59x59) ενώ στην πρώτη μελέτη του θέματος ο πίνακας έχει διαστάσεις (36x36) δηλαδή οι κλάδοι της οικονομίας είναι συγχωνευμένοι.

→ οι τιμές στη παρούσα εργασία είναι σε ευρώ ενώ στην πρώτη είναι σε δραχμές.

→ στη παρούσα εργασία υπολογίζονται οι επιπτώσεις της υποτίμησης του νομίσματος κατά 15% και 50% (ρεαλιστικό σενάριο με βάση την οικονομική κατάσταση της χώρας αυτή τη περίοδο) ενώ στην αρχική εργασία υπολογίζονται οι επιπτώσεις της υποτίμησης κατά 15% .

Επίσης, η μελέτη των επιπτώσεων της υποτίμησης γίνεται με τη βοήθεια τριών συστημάτων τιμών (τρία μοντέλα):

$$1^{\circ}) P = P*Dom + P*Imp + P*K$$

$$2^{\circ}) P = (P*Dom + P*Imp + P*B + P*F)*(1+r)$$

$$3^{\circ}) P = P*Dom + P*Imp + A.v$$

Τα τρία αυτά μοντέλα, περιγράφουν τρεις διαφορετικούς τρόπους μετάδοσης του πληθωριστικού κύματος της υποτίμησης στην ελληνική οικονομία.

Οι κύριες διαφορές των τριών μοντέλων είναι οι εξής :

Στο 1^ο μοντέλο υποθέτουμε ότι η ακαθάριστη προστιθέμενη αξία κάθε κλάδου παραγωγής εξαρτάται γραμμικά από την τιμή του εμπορεύματος του κλάδου (και μόνο από αυτή)¹²

Στο 2^ο μοντέλο υποθέτουμε ότι η ακαθάριστη προστιθέμενη αξία κάθε κλάδου παραγωγής εξαρτάται γραμμικά από την τιμή του εμπορεύματος του κλάδου και από τις τιμές των εισροών (εγχωρίων και εισαγομένων) του κλάδου (και μόνο από αυτές)¹³

Στο 3^ο μοντέλο υποθέτουμε ότι η ακαθάριστη προστιθέμενη αξία κάθε κλάδου παραγωγής δεν μεταβάλλεται συνέπεια μεταβολών των τιμών των εμπορευμάτων¹⁴

¹² Θεόδωρος Μαριόλης – Χαράλαμπος Οικονομίδης – Γιώργος Σταμάτης – Νίκος Φουστέρης, 1997, Ποσοτική εκτίμηση των επιπτώσεων της υποτίμησης στο «κόστος» παραγωγής, Αθήνα, Εκδόσεις «Κριτική Σελ 12

¹³ Θεόδωρος Μαριόλης – Χαράλαμπος Οικονομίδης – Γιώργος Σταμάτης – Νίκος Φουστέρης, 1997, Ποσοτική εκτίμηση των επιπτώσεων της υποτίμησης στο «κόστος» παραγωγής, Αθήνα, Εκδόσεις «Κριτική Σελ 12

¹⁴ Θεόδωρος Μαριόλης – Χαράλαμπος Οικονομίδης – Γιώργος Σταμάτης – Νίκος Φουστέρης, 1997, Ποσοτική εκτίμηση των επιπτώσεων της υποτίμησης στο «κόστος» παραγωγής, Αθήνα, Εκδόσεις «Κριτική Σελ 13

Στο 1^ο και στο 3^ο μοντέλο δεν περιέχονται οι φόροι και οι επιδοτήσεις στις μήτρες εγχώριας παραγωγής και εισαγωγών σε αντίθεση με το 2^ο που λαμβάνονται υπόψη.

Ας πούμε όμως λίγα λόγια για το πώς θα αναλύσουμε την εργασία:

Το πρώτο μας βήμα είναι να «τρέξουμε» στο πρόγραμμα mathematica τα τρία μοντέλα που προαναφέραμε και θα βρούμε αναλυτικά την εξέλιξη των τιμών των εμπορευμάτων.

Το δεύτερο βήμα είναι να υπολογίσουμε τους δείκτες συνολικού πληθωρισμού για τις πρώτες πέντε περιόδους

και

Το τρίτο βήμα είναι να βρούμε τις ιδιοτιμές («ομαλοποιημένες» και μη) και τους δείκτες ταχύτητας σύγκλισης.

Ας ξεκινήσουμε όμως με το τι είναι οι πίνακες εισροών – εκροών (που αποτελούν και τα δεδομένα μας) και έπειτα ας «τρέξουμε» τα τρία μοντέλα που προαναφέρθηκαν.

3. Πίνακες Εισροών – Εκροών

3.1 Εισαγωγικά Στοιχεία Πινάκων Εισροών – Εκροών

Οι πίνακες εισροών – εκροών δείχνουν πως κάθε κλάδος της οικονομίας αλληλεπιδρά και εξαρτάται απ’ όλους τους άλλους. Οι πίνακες δεν χρησιμοποιούνται μόνο σε οικονομίες χωρών αλλά και σε περιφέρειες, σε μικρές περιοχές ακόμη και σε μεγάλες εταιρείες. Την πρώτη προσπάθεια κατασκευής πίνακα εισροών – εκροών την έκανε ο François Quesnay το 1758 αλλά τον πρώτο πίνακα τον συνέταξε ο Wassily Leontief το 1936 που ήταν αρκετά συνοπτικός και αφορούσε την αμερικανική οικονομία. Με την πάροδο των χρόνων οι πίνακες έγιναν πιο αναλυτικοί και πιο σαφείς.

Οι βασικές πληροφορίες από τις οποίες καταρτίζονται οι πίνακες εισροών – εκροών είναι οι ροές των προϊόντων από ένα κλάδο που θεωρείται ως παραγωγός, σε ένα άλλο κλάδο που θεωρείται ως χρήστης (καταναλωτής). Οι σειρές ενός τέτοιου πίνακα περιγράφουν την κατανομή της εκροής ενός κλάδου παραγωγού στην οικονομία και οι στήλες περιγράφουν τη σύνθεση των εισροών που απαιτούνται από ένα συγκεκριμένο κλάδο για την παραγωγή των εκροών του¹⁵.

Ένας απλός πίνακας εισροών – εκροών έχει την ακόλουθη μορφή :

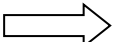
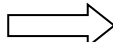
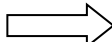
Πίνακας Εισροών – Εκροών									
Εκροές Εισροές	Κλάδοι Παραγωγής			Σύνολο	Τελική ζήτηση				Συνολική ζήτηση
	Κλάδος 1	Κλάδος 2	...		Ιδιωτική κατανάλωση	Δημόσια κατανάλωση	Επενδύσεις	Εξαγωγές	
Κλάδοι									
Κλάδοι 1									
Κλάδοι 2									
...									
Σύνολο									
Πρωτογενείς εισροές	Μισθοί								
	Φόροι								
	Αποσβέσεις								
	Προστιθέμενη αξία								
Συνολική αξία παραγωγή									

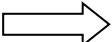
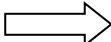
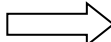
¹⁵ Οικονομίδης Χαράλαμπος, (2007), Εισαγωγή στο σύστημα και την ανάλυση εισροών – εκροών, Εκδόσεις «Κριτική» σελ 20

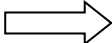
Εδώ να πούμε ότι οι πίνακες που θα χρησιμοποιηθούν για την εκπόνηση της εργασίας είναι πιο μεγάλοι σε μέγεθος, πιο λεπτομερείς και αφορούν τα στοιχεία της ελληνικής οικονομίας για το έτος 2005.

3.2 Προέλευση Πινάκων Εισροών – Εκροών Ελληνικής Οικονομίας

Πίνακες εισροών – εκροών συντάσσουν η ευρωπαϊκή στατιστική υπηρεσία (κάθε πέντε χρόνια ολοκληρωμένοι) καθώς και οι στατιστικές υπηρεσίες των περισσότερων κρατών. Εμείς στη παρούσα εργασία αναζητήσαμε τους πιο πρόσφατους πίνακες που αφορούν την ελληνική οικονομία και καταλήξαμε στα στοιχεία του 2005. Τα στοιχεία αυτά έχουν παρθεί από την ιστοσελίδα της Eurostat¹⁶ και συγκεκριμένα οποιοσδήποτε επιθυμεί μπορεί να βρει στο διαδίκτυο τους πίνακες εισροών – εκροών της ελληνικής οικονομίας ως εξής:

Site Eurostat  Statistic  Economy and Finance 

National Accounts  Data  Database  Supply,

Use and Input-output tables  Greece

Το αρχείο που περιέχονται οι πίνακες είναι το : Greece_SUIOT_100113. Στο αρχείο αυτό περιέχονται οι πίνακες Use , Supply, Siot, Import και Domestic από διάφορα έτη. Οι πίνακες που θα χρησιμοποιηθούν στη παρούσα εργασία είναι οι πίνακες Siot, Import και Domestic του 2005.

¹⁶ <http://epp.eurostat.ec.europa.eu/portal/page/portal/eurostat/home/>

3.3 Παράθεση & Επεξήγηση Πινάκων Εισροών – Εκροών Ελληνικής Οικονομίας

Στις επόμενες τρεις σελίδες παρατίθενται οι αρχικοί πίνακες εισροών – εκροών που θα χρησιμοποιήσουμε στη μελέτη των τριών μοντέλων.

→ 1^{ος} πίνακας Siot (σελίδα 11) όπου είναι ο ενοποιημένος πίνακας εγχώριας παραγωγής και εισαγωγών.

→ 2^{ος} πίνακας εγχώριας παραγωγής (σελίδα 12) όπου φαίνεται η εγχώρια παραγωγή της ελληνικής οικονομίας.

και

→ 3^{ος} πίνακας εισαγωγών (σελίδα 13) όπου φαίνονται οι εισαγωγές της ελληνικής οικονομίας.

Table siot

Table domestic

Table imports

Μοντέλο 1^ο

$$**P = P*Dom + P*Imp + P*K**$$

4. Μοντέλο 1^ο

4.1 Ορισμός & Επεξήγηση 1^{ου} Μοντέλου

Το πρώτο μοντέλο που θα επεξεργαστούμε είναι της εξής μορφής :

$$P = P*Dom + P*Imp + P*K$$

Όπου:

P → Διάνυσμα γραμμή (1x59) των τιμών των εμπορευμάτων. Ως φυσική μονάδα μέτρησης κάθε εμπορεύματος θεωρούμε εκείνη την ποσότητά του, της οποίας η αγοραία αξία (η τιμή αγοράς) ισούται με 1 νομισματική μονάδα.

Dom → Μήτρα συντελεστών εγχώριας παραγωγής (59x59)

Imp → Μήτρα συντελεστών εισαγωγών (59x59)

K → Διαγώνια μήτρα (59x59) όπου όλα τα στοιχεία της είναι μηδέν εκτός από τα στοιχεία της κύριας διαγωνίου που εκφράζουν το ποσοστό της ακαθάριστης προστιθέμενης αξίας (Π) του κλάδου j στην τιμή (P) του εμπορεύματος j ¹⁷:

$$K_{jj} = \Pi_j / P_j, \quad j = 1,2,3,\dots,59$$

Το παραπάνω σύστημα τιμών λέει ότι η τιμή P ενός εμπορεύματος οποιοδήποτε κλάδου της ελληνικής οικονομίας είναι ίση με την τιμή επί το συντελεστή της μήτρας εγχώριας παραγωγής συν την τιμή επί τον συντελεστή της μήτρας εισαγωγών συν την τιμή επί τον συντελεστή της προστιθέμενης αξίας.

Για παράδειγμα η τιμή του P του κλάδου Products of agriculture, hunting & related services με φυσική μονάδα μέτρησης τη μονάδα είναι ίση με $P = 1*0,3141203 + 1*0,061227 + 1*0,624653 \Rightarrow P = 1$



Dom



Imp



K

Ας δούμε όμως πώς προήλθαν οι μήτρες που χρησιμοποιήσαμε στο σύστημα τιμών.

¹⁷ Μαριόλης Θεόδωρος – Οικονομίδης Χαράλαμπος – Σταμάτης Γιώργος – Φουστέρης Νίκος, 1997, Ποσοτική εκτίμηση των επιπτώσεων της υποτίμησης στο «κόστος» παραγωγής, Αθήνα, Εκδόσεις «Κριτική», σελ 12

4.2 Επεξεργασία Αρχικών Πινάκων Εισροών – Εκροών Ελληνικής Οικονομίας

Για να μπορέσουμε να χρησιμοποιήσουμε το παραπάνω μοντέλο πρέπει πρώτα απ' όλα να εξάγουμε την μήτρα συντελεστών εγχώριας παραγωγής «Dom», την μήτρα συντελεστών εισαγωγών «Imp» και τη διαγώνια μήτρα του ποσοστού της ακαθάριστης προστιθέμενης αξίας του κλάδου στην τιμή του εμπορεύματος «K». Αυτό γίνεται μέσο της επεξεργασίας των αρχικών πινάκων εισροών – εκροών (σελίδα 11-13). Ο τρόπος εξαγωγής των απαραίτητων δεδομένων του μοντέλου μας (Dom, Imp και K) ακολουθεί στη συνέχεια.

4.2.1 Γενική μετατροπή αρχικών πινάκων

• Η γενική μετατροπή των αρχικών πινάκων εισροών – εκροών είναι η εξής. Από τους πίνακες εγχώρια παραγωγή (σελίδα 12) και εισαγωγές (σελίδα 13) αφαιρούμε τα 59 στοιχεία της γραμμής με όνομα «Output at basic prices» με τα 59 στοιχεία της γραμμής με όνομα «Taxes less subsidies on products». Η αφαίρεση γίνεται ένα προς ένα στοιχείο, για παράδειγμα :

$$\begin{aligned} E73 &= E72 - E62 \\ F73 &= F72 - F62 \\ G73 &= G72 - G62 \\ &(\dots\acute{\epsilon}\omega\varsigma) \\ BK73 &= BK72 - BK62 \end{aligned}$$

Έτσι δημιουργούμε ένα καινούριο διάνυσμα γραμμή (1x59) με όνομα «New output at basic prices». Αυτή την καινούρια γραμμή την αντιγράφουμε στους πίνακες εγχώρια παραγωγή και εισαγωγές. Έτσι δημιουργούμε 2 καινούριους πίνακες που τους ονομάζουμε αντίστοιχα πίνακας εγχώριας παραγωγής M1 και πίνακας εισαγωγές M1 (που ακολουθούν (σελίδα 17 και 18 αντίστοιχα). Η διαφορά των αρχικών πινάκων με τους πίνακες εγχώρια παραγωγή M1 και εισαγωγές M1 είναι ότι στους τελευταίους έχουμε στη τελευταία γραμμή ένα επιπλέον διάνυσμα γραμμής (1x59).

Table ; domestic M1

Table Import M1

4.2.2 Εξαγωγή μήτρας εγχώριας παραγωγής – Dom

- Η μήτρα εγχώριας παραγωγής – Dom (59x59) που χρειαζόμαστε για το μοντέλο μας εξάγεται από τον πίνακα εγχώρια παραγωγή M1 (σελίδα 17) ως εξής: Διαιρούμε τις εισροές κάθε κλάδου με τα στοιχεία της γραμμής «New output at basic prices». Η διαίρεση γίνεται ένα προς ένα στοιχείο, για παράδειγμα :

Για την 1^η στήλη

Το 1^ο στοιχείο της 1^{ης} στήλης της μήτρα Dom είναι ίσο με E1/ E73
Το 2^ο στοιχείο της 1^{ης} στήλης της μήτρα Dom είναι ίσο με E2/ E73
Το 3^ο στοιχείο της 1^{ης} στήλης της μήτρα Dom είναι ίσο με E3/ E73
... έως το 59^ο στοιχείο

Ομοίως και για την 2^η στήλη

Το 1^ο στοιχείο της 2^{ης} στήλης της μήτρα Dom είναι ίσο με F1/ F73
Το 2^ο στοιχείο της 2^{ης} στήλης της μήτρα Dom είναι ίσο με F2/ F73
Το 3^ο στοιχείο της 2^{ης} στήλης της μήτρα Dom είναι ίσο με F3/ F73
... έως το 59^ο στοιχείο

Ομοίως μέχρι την 59^η στήλη

Έτσι δημιουργούμε τη μήτρα συντελεστών εγχώριας παραγωγής M1 – Dom (59x59), που ακολουθεί (σελίδα 20)

Μητρα εγχωριας παραγωγή Μ1

4.2.3 Εξαγωγή μήτρας εισαγωγών – Imp

• Η μήτρα εισαγωγών – Imp (59x59) που χρειαζόμαστε στο πρώτο μοντέλο μας εξάγεται από τον πίνακα εισαγωγές M1 (σελίδα 18) ως εξής: διαιρούμε τις εισροές κάθε κλάδου του πίνακα με τα στοιχεία της γραμμής «New Output at basic prices». Η διαίρεση γίνεται ένα προς ένα στοιχείο, για παράδειγμα :

Για την 1^η στήλη

Το 1^ο στοιχείο της 1^{ης} στήλης της μήτρα Imp είναι ίσο με E1/ E73

Το 2^ο στοιχείο της 1^{ης} στήλης της μήτρα Imp είναι ίσο με E2/ E73

Το 3^ο στοιχείο της 1^{ης} στήλης της μήτρα Imp είναι ίσο με E3/ E73

... έως το 59^ο στοιχείο

Ομοίως και για την 2^η στήλη

Το 1^ο στοιχείο της 2^{ης} στήλης της μήτρα Imp είναι ίσο με F1/ F73

Το 2^ο στοιχείο της 2^{ης} στήλης της μήτρα Imp είναι ίσο με F2/ F73

Το 3^ο στοιχείο της 2^{ης} στήλης της μήτρα Imp είναι ίσο με F3/ F73

... έως το 59^ο στοιχείο

Ομοίως μέχρι την 59^η στήλη

Έτσι δημιουργούμε τη μήτρα συντελεστών εισαγωγών M1 – Imp (59x59) που ακολουθεί (σελίδα 22)

Μητρα εισαγωγων M1

4.2.4 Εξαγωγή διανύσματος – Κ και διαγώνιας μήτρας – Κ

- Το διάνυσμα Κ (1x59) προκύπτει από τον πίνακα εγχώρια παραγωγή Μ1 (σελίδα 20) αν διαιρέσουμε την προστιθέμενη αξία κάθε κλάδου «Value added at basic prices» με τα στοιχεία της γραμμής «New Output at basic prices». Η διαίρεση γίνεται ένα προς ένα στοιχείο, για παράδειγμα :

Το 1^ο στοιχείο του διανύσματος Κ είναι ίσο με E71/ E73

Το 2^ο στοιχείο του διανύσματος Κ είναι ίσο με F71/ F73

Το 3^ο στοιχείο του διανύσματος Κ είναι ίσο με G71/ G73

Ομοίως μέχρι το 59^η στοιχείο του διανύσματος.

Έτσι δημιουργούμε το διάνυσμα γραμμή – Κ (1x59) που ακολουθεί (σελίδα 24)

- Για να δημιουργήσουμε την διαγώνια μήτρα – Κ (59x59) που χρειαζόμαστε στο μοντέλο μας θα πάρουμε ένα πίνακα (59x59) που όλα τα στοιχεία του είναι μηδέν εκτός από αυτά της κύριας διαγωνίου όπου θα βρίσκονται τα στοιχεία του διανύσματος γραμμή – Κ. Ειδικότερα :

Το 1^ο στοιχείο της 1^{ης} γραμμής της διαγώνιας μήτρας – Κ είναι το 1^ο στοιχείο του διανύσματος γραμμή – Κ

Το 2^ο στοιχείο της 2^{ης} γραμμής της διαγώνιας μήτρας – Κ είναι το 2^ο στοιχείο του διανύσματος γραμμή – Κ

Το 3^ο στοιχείο της 3^{ης} γραμμής της διαγώνιας μήτρας – Κ είναι το 3^ο στοιχείο του διανύσματος γραμμή – Κ

Ομοίως έως το 59^ο στοιχείο

Έτσι δημιουργούμε την διαγώνια μήτρα – Κ (59x59) που ακολουθεί (σελίδα 24)

Μητρα διαγωνια κ και διάνυσμα

4.3 Εισαγωγή Δεδομένων 1^ο Μοντέλου Στο Mathematica

Αφού εξηγήσαμε πως προήρθαν τα δεδομένα του 1^ο μας μοντέλου (μήτρα Dom – Imp – K), τώρα θα εισάγουμε τα δεδομένα αυτά στο mathematica. Τα δεδομένα που εισάγουμε μπορεί κάποιος να τα βρει στο Α.1 Παράρτημα (σελίδα 138). Συγκεκριμένα εκεί περιέχονται τα εξής :

- Εισαγωγή μήτρας εγχώριας παραγωγής M1 – Dom
- Εισαγωγή μήτρας εισαγωγών M1 – Imp
- Εισαγωγή διαγώνιας μήτρας – K
- Εισαγωγή διανύσματος γραμμή τιμής – P₀

αντιληπτά από τον αναγνώστη έχουν μεταφερθεί σε πίνακα που ακολουθούν στην επόμενη ενότητα (4.5.2 ενότητα).

Ο πίνακας αυτός μας δείχνει :

α) τις επιδράσεις των τιμών των εμπορευμάτων ανά κλάδο για τις πρώτες 20 επαναλήψεις (που είναι και μεγαλύτερες)

β) σε πια επανάληψη σταματάνε οι επιδράσεις της υποτίμησης (τελευταία σειρά)

και

γ) τη τιμή που έχουν τα εμπορεύματα μετά το πέρας της επίδρασης της υποτίμησης του νομίσματος κατά 15 % (τελευταία σειρά)

4.5.2 Αποτελέσματα 1^{ου} μοντέλου σε πίνακα για υποτίμηση 15%

Πίνακας αποτελεσμάτων 1 ^{ου} μοντέλου με υποτίμηση του νομίσματος κατά 15%											
	PRODUCTS (CPA)	Products of agriculture , hunting & related services	Products of forestry, logging and related services	Fish and other fishing products; services incidental of fishing	Coal and lignite; peat	Crude petroleum and natural gas; services incidental to oil and gas ...	Uranium and thorium ores	Metal ores	Other mining and quarrying products	Food products and beverages	Tobacco products
	Τιμή	E	F	G	H	I	J	K	L	M	N
Μεταβολή της τιμής από την 1 ^η επανάληψη έως την 20 ^η	P ₁	1.00918	1.00045	1.00819	1.01103	1.01708	0.0	1.01095	1.01292	1.01239	1.012
	P ₂	1.02061	1.0036	1.02093	1.02417	1.03216	0.0	1.02476	1.02932	1.02312	1.02282
	P ₃	1.03136	1.00813	1.03312	1.0363	1.04526	0.0	1.03759	1.04314	1.03307	1.03273
	P ₄	1.04102	1.01346	1.04393	1.04692	1.05622	0.0	1.04863	1.05413	1.04216	1.04165
	P ₅	1.04963	1.01926	1.05336	1.05613	1.06526	0.0	1.05789	1.06292	1.05035	1.04961
	P ₆	1.05731	1.02529	1.06158	1.06411	1.07272	0.0	1.06564	1.07011	1.05769	1.0567
	P ₇	1.06417	1.03137	1.06876	1.07107	1.07895	0.0	1.07219	1.07614	1.06425	1.06305
	P ₈	1.07032	1.0374	1.07507	1.07716	1.08424	0.0	1.07779	1.08131	1.07015	1.06876
	P ₉	1.07585	1.04328	1.08064	1.08254	1.08882	0.0	1.08266	1.08584	1.07546	1.07393
	P ₁₀	1.08084	1.04897	1.08558	1.08732	1.09286	0.0	1.08697	1.08987	1.08027	1.07864
	P ₁₁	1.08536	1.05443	1.09	1.0916	1.09646	0.0	1.09082	1.09352	1.08464	1.08294
	P ₁₂	1.08947	1.05965	1.09397	1.09545	1.09972	0.0	1.09431	1.09684	1.08864	1.0869
	P ₁₃	1.09322	1.0646	1.09755	1.09894	1.10269	0.0	1.0975	1.09989	1.09231	1.09055
	P ₁₄	1.09666	1.0693	1.10081	1.10212	1.10543	0.0	1.10045	1.10272	1.09569	1.09394
	P ₁₅	1.09983	1.07375	1.10379	1.10503	1.10796	0.0	1.10318	1.10534	1.09882	1.09708
	P ₁₆	1.10275	1.07794	1.10652	1.1077	1.11031	0.0	1.10573	1.10779	1.10172	1.10001
	P ₁₇	1.10546	1.0819	1.10904	1.11017	1.1125	0.0	1.10811	1.11009	1.10442	1.10275
	P ₁₈	1.10797	1.08563	1.11137	1.11245	1.11455	0.0	1.11035	1.11223	1.10694	1.10532
	P ₁₉	1.11032	1.08915	1.11353	1.11457	1.11646	0.0	1.11246	1.11425	1.10929	1.10773
	P ₂₀	1.11251	1.09246	1.11555	1.11655	1.11827	0.0	1.11444	1.11615	1.1115	1.10999
Σταθεροποίηση τιμής		P₁₉₀ : 1,15	P₁₉₉ : 1,15	P₁₉₈ : 1,15	P₁₈₉ : 1,15	P₁₉₁ : 1,15		P₁₉₁ : 1,15	P₁₉₀ : 1,15	P₁₉₁ : 1,15	P₁₉₂ : 1,15

Πίνακας αποτελεσμάτων 1^{ου} μοντέλου με υποτίμηση του νομίσματος κατά 15% (συνέχεια)

	PRODUCTS (CPA)	Textiles	Wearing apparel; furs	Leather and leather products	Wood and products of wood and cork (except furniture);	Pulp, paper and paper products	Printed matter and recorded media	Coke, refined petroleum products and nuclear fuels	Chemicals, chemical products and man-made fibres	Rubber and plastic products	Other non-metallic mineral products
	Τιμή	O	P	Q	R	S	T	U	V	W	X
Μεταβολή της τιμής από την 1 ^η επανάληψη έως την 20 ^η	P ₁	1.02722	1.02172	1.02638	1.0245	1.03605	1.02212	1.10003	1.0423	1.03334	1.01471
	P ₂	1.04502	1.03733	1.0453	1.04009	1.05568	1.03851	1.12105	1.0631	1.05367	1.02806
	P ₃	1.05745	1.04908	1.05849	1.0507	1.06747	1.05049	1.1264	1.07483	1.0667	1.03972
	P ₄	1.06666	1.05829	1.06807	1.05868	1.07545	1.05954	1.12857	1.0825	1.07567	1.04971
	P ₅	1.07387	1.06576	1.07541	1.06518	1.08147	1.06667	1.13002	1.08817	1.08235	1.05823
	P ₆	1.07979	1.07201	1.08132	1.07077	1.08638	1.07257	1.13125	1.09275	1.08768	1.06554
	P ₇	1.08482	1.07738	1.08627	1.07572	1.0906	1.07762	1.13236	1.09663	1.09213	1.07185
	P ₈	1.08922	1.08208	1.09054	1.08019	1.09434	1.08208	1.13338	1.10004	1.096	1.07737
	P ₉	1.09314	1.08628	1.09431	1.08427	1.09771	1.08609	1.13432	1.1031	1.09944	1.08224
	P ₁₀	1.09668	1.09008	1.09769	1.08804	1.10079	1.08975	1.13519	1.10587	1.10253	1.0866
	P ₁₁	1.0999	1.09355	1.10077	1.09154	1.10362	1.09313	1.13601	1.10841	1.10536	1.09053
	P ₁₂	1.10285	1.09675	1.10359	1.09479	1.10624	1.09626	1.13677	1.11076	1.10795	1.09411
	P ₁₃	1.10557	1.09971	1.1062	1.09783	1.10868	1.09919	1.13748	1.11294	1.11035	1.09738
	P ₁₄	1.10809	1.10247	1.10862	1.10068	1.11095	1.10192	1.13815	1.11497	1.11257	1.1004
	P ₁₅	1.11044	1.10505	1.11088	1.10335	1.11307	1.10449	1.13878	1.11686	1.11464	1.1032
	P ₁₆	1.11262	1.10746	1.11299	1.10586	1.11506	1.10691	1.13937	1.11864	1.11658	1.10581
	P ₁₇	1.11467	1.10973	1.11498	1.10822	1.11693	1.10918	1.13993	1.12031	1.11839	1.10823
	P ₁₈	1.11658	1.11186	1.11684	1.11045	1.11869	1.11132	1.14045	1.12189	1.12009	1.1105
	P ₁₉	1.11838	1.11388	1.11859	1.11254	1.12035	1.11335	1.14095	1.12337	1.12168	1.11263
	P ₂₀	1.12006	1.11577	1.12025	1.11452	1.12191	1.11526	1.14142	1.12477	1.12319	1.11463
	Σταθεροποίηση τιμής	P₁₈₆ : 1,15	P₁₈₉ : 1,15	P₁₇₇ : 1,15	P₁₉₀ : 1,15	P₁₈₅ : 1,15	P₁₈₉ : 1,15	P₁₆₂ : 1,15	P₁₈₃ : 1,15	P₁₈₄ : 1,15	P₁₉₀ : 1,15

Πίνακας αποτελεσμάτων 1 ^{ου} μοντέλου με υποτίμηση του νομίσματος κατά 15% (συνέχεια)											
	PRODUCTS (CPA)	Basic metals	Fabricated metal products, except machinery & equipment	Machinery and equipment n.e.c.	Office machinery and computers	Electrical machinery and apparatus n.e.c.	Radio, television and communication equipment and apparatus	Medical, precision and optical instruments, watches and clocks	Motor vehicles, trailers and semi-trailers	Other transport equipment	Furniture; other manufact. goods n.e.c.
	Τιμή	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH
Μεταβολή της τιμής από την 1 ^η επανάληψη έως την 20 ^η	P ₁	1.04584	1.03422	1.03662	1.02152	1.03585	1.022	1.03632	1.04478	1.0355	1.02068
	P ₂	1.07025	1.05793	1.05925	1.03768	1.05929	1.0382	1.05781	1.06768	1.05778	1.03704
	P ₃	1.08403	1.07322	1.0735	1.05001	1.07431	1.05044	1.07119	1.08044	1.07204	1.04964
	P ₄	1.0926	1.08321	1.08292	1.05962	1.0842	1.05997	1.08016	1.08839	1.0816	1.05942
	P ₅	1.09854	1.09012	1.08955	1.06732	1.09109	1.06761	1.08667	1.09396	1.0884	1.0672
	P ₆	1.10306	1.09525	1.09456	1.07366	1.09624	1.07392	1.09174	1.09826	1.09359	1.07358
	P ₇	1.10675	1.09935	1.09858	1.07904	1.10034	1.07928	1.09592	1.10183	1.09777	1.07898
	P ₈	1.10988	1.1028	1.10199	1.08371	1.10378	1.08394	1.09951	1.10492	1.10131	1.08366
	P ₉	1.11263	1.10582	1.10497	1.08785	1.10678	1.08806	1.10268	1.10767	1.10441	1.08781
	P ₁₀	1.11507	1.10852	1.10765	1.09157	1.10945	1.09178	1.10552	1.11016	1.10718	1.09155
	P ₁₁	1.11728	1.11097	1.11009	1.09496	1.11186	1.09516	1.10811	1.11245	1.10969	1.09495
	P ₁₂	1.11929	1.11323	1.11234	1.09807	1.11408	1.09827	1.11049	1.11455	1.112	1.09808
	P ₁₃	1.12113	1.11531	1.11442	1.10095	1.11612	1.10114	1.11269	1.11651	1.11414	1.10099
	P ₁₄	1.12282	1.11725	1.11636	1.10363	1.11801	1.10382	1.11474	1.11833	1.11612	1.10368
	P ₁₅	1.12438	1.11905	1.11818	1.10614	1.11978	1.10631	1.11666	1.12004	1.11797	1.10621
	P ₁₆	1.12583	1.12074	1.11989	1.10848	1.12142	1.10865	1.11845	1.12164	1.1197	1.10857
	P ₁₇	1.12718	1.12232	1.12149	1.11069	1.12297	1.11085	1.12013	1.12315	1.12133	1.11079
	P ₁₈	1.12844	1.12381	1.123	1.11276	1.12442	1.11292	1.12172	1.12457	1.12285	1.11287
	P ₁₉	1.12962	1.1252	1.12442	1.11472	1.12578	1.11487	1.12321	1.1259	1.12429	1.11484
	P ₂₀	1.13072	1.12651	1.12576	1.11657	1.12706	1.11671	1.12462	1.12716	1.12564	1.11669
	Σταθεροποίηση τιμής	P ₁₇₉ : 1,15	P ₁₈₂ : 1,15	P ₁₈₂ : 1,15	P ₁₈₉ : 1,15	P ₁₈₁ : 1,15	P ₁₉₁ : 1,15	P ₁₈₃ : 1,15	P ₁₈₃ : 1,15	P ₂₀₀ ≈ 1,15	P ₁₈₉ : 1,15

Πίνακας αποτελεσμάτων 1^{ου} μοντέλου με υποτίμηση του νομίσματος κατά 15% (συνέχεια)

	PRODUCTS (CPA)	Secondary raw materials	Electrical energy, gas, steam and hot water	Collected and purified water, distribution services of water	Construction work	Trade, maintenance and repair services of motor vehicles & motorcycles; retail sale of automotive fuel	Wholesale trade and commission trade services, except of motor ...	Retail trade services, except of motor vehicles and motorcycles; repair services ...	Hotel and restaurant services	Land transport; transport via pipeline services	Water transport services
	Τιμή	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR
Μεταβολή της τιμής από την 1 ^η επανάληψη έως την 20 ^η	P ₁	1.03966	1.00721	1.01079	1.01726	1.00681	1.01047	1.00635	1.01171	1.01952	1.04201
	P ₂	1.06446	1.01835	1.02274	1.03421	1.01325	1.02167	1.01339	1.02302	1.04214	1.06825
	P ₃	1.07914	1.02937	1.03391	1.04806	1.01952	1.03232	1.02055	1.03323	1.05847	1.0838
	P ₄	1.08834	1.03949	1.04395	1.05897	1.02566	1.04188	1.02751	1.04236	1.06969	1.09343
	P ₅	1.09466	1.04862	1.05289	1.0676	1.03164	1.05026	1.03414	1.05049	1.07767	1.09987
	P ₆	1.09942	1.0568	1.06082	1.07457	1.03744	1.05757	1.04039	1.05776	1.08369	1.10456
	P ₇	1.10328	1.06411	1.06786	1.08034	1.04306	1.06397	1.04626	1.06426	1.08851	1.10822
	P ₈	1.10655	1.07064	1.07411	1.08526	1.04846	1.06963	1.05179	1.07009	1.09257	1.11124
	P ₉	1.10941	1.07648	1.07969	1.08954	1.05365	1.07468	1.05698	1.07535	1.09611	1.11384
	P ₁₀	1.11198	1.08172	1.08469	1.09333	1.05861	1.07923	1.06188	1.08012	1.09928	1.11613
	P ₁₁	1.1143	1.08643	1.08918	1.09675	1.06334	1.08338	1.0665	1.08446	1.10216	1.11818
	P ₁₂	1.11642	1.09069	1.09324	1.09987	1.06784	1.08718	1.07086	1.08843	1.10483	1.12005
	P ₁₃	1.11837	1.09454	1.09691	1.10273	1.07212	1.09069	1.07498	1.09207	1.1073	1.12176
	P ₁₄	1.12018	1.09805	1.10027	1.10538	1.07618	1.09395	1.07888	1.09544	1.10961	1.12335
	P ₁₅	1.12185	1.10126	1.10333	1.10784	1.08003	1.097	1.08256	1.09855	1.11177	1.12482
	P ₁₆	1.12341	1.1042	1.10614	1.11013	1.08368	1.09984	1.08605	1.10144	1.1138	1.1262
	P ₁₇	1.12487	1.10691	1.10873	1.11228	1.08714	1.10251	1.08936	1.10414	1.11571	1.12748
	P ₁₈	1.12624	1.10941	1.11113	1.1143	1.09041	1.10502	1.09249	1.10665	1.11752	1.12869
	P ₁₉	1.12752	1.11173	1.11335	1.1162	1.09351	1.10739	1.09546	1.10901	1.11922	1.12982
	P ₂₀	1.12872	1.11389	1.11542	1.11799	1.09645	1.10962	1.09827	1.11122	1.12083	1.13089
	Σταθεροποίηση τιμής	P₁₈₀ : 1,15	P₁₉₀ : 1,15	P₁₈₉ : 1,15	P₁₈₈ : 1,15	P₁₉₉ : 1,15	P₁₉₃ : 1,15	P₁₉₇ : 1,15	P₁₉₁ : 1,15	P₁₈₈ : 1,15	P₁₉₀ : 1,15

Πίνακας αποτελεσμάτων 1^{ου} μοντέλου με υποτίμηση του νομίσματος κατά 15% (συνέχεια)

	PRODUCTS (CPA)	Air transport services	Supporting and auxiliary transport services; travel ...	Post and telecommunication services	Financial intermediat. services, except insurance & pension ...	Insurance and pension funding services, except compulsory ...	Activities auxiliary to financial intermediat.	Real estate services	Renting services of machinery & equipment without operator & of p & h goods	Computer and related services
	Τιμή	AS	AT	AU	AV	AW	AX	AY	AZ	BA
Μεταβολή της τιμής από την 1 ^η επανάληψη έως την 20 ^η	P ₁	1.01731	1.01636	1.00431	1.00249	1.00663	1.00419	1.00136	1.0078	1.00927
	P ₂	1.03517	1.03148	1.00924	1.00625	1.01342	1.00939	1.00416	1.0161	1.01793
	P ₃	1.04918	1.04402	1.01436	1.01086	1.0203	1.01512	1.00812	1.02397	1,02594
	P ₄	1.05985	1.05423	1.01953	1.01599	1.02705	1.02109	1.01286	1.03127	1,03328
	P ₅	1.06815	1.06264	1.02471	1.02142	1.03355	1.02711	1.01807	1.03801	1,04002
	P ₆	1.07482	1.06966	1.02984	1.02698	1.03974	1.03306	1.02351	1.04426	1.04621
	P ₇	1.08036	1.07564	1.0349	1.03255	1.0456	1.03886	1.02903	1.05007	1.05192
	P ₈	1.0851	1.08082	1.03986	1.03805	1.05113	1.04446	1.03452	1.0555	1.05723
	P ₉	1.08924	1.08539	1.0447	1.04342	1.05635	1.04982	1.03991	1.06059	1.06218
	P ₁₀	1.09294	1.08947	1.0494	1.04863	1.06128	1.05495	1.04516	1.06536	1.06681
	P ₁₁	1.09629	1.09316	1.05397	1.05365	1.06593	1.05983	1.05024	1.06985	1.07116
	P ₁₂	1.09936	1.09652	1.05838	1.05847	1.07032	1.06447	1.05513	1.07408	1.07525
	P ₁₃	1.10219	1.09961	1.06263	1.06309	1.07447	1.06888	1.05983	1.07807	1.07911
	P ₁₄	1.10481	1.10246	1.06673	1.0675	1.07839	1.07306	1.06434	1.08184	1.08276
	P ₁₅	1.10726	1.10511	1.07067	1.0717	1.0821	1.07702	1.06864	1.0854	1.08621
	P ₁₆	1.10956	1.10758	1.07445	1.07569	1.08562	1.08078	1.07275	1.08877	1.08947
	P ₁₇	1.11171	1.10988	1.07808	1.07949	1.08894	1.08434	1.07667	1.09195	1.09257
	P ₁₈	1.11374	1.11205	1.08155	1.0831	1.09209	1.08771	1.0804	1.09496	1.0955
	P ₁₉	1.11565	1.11408	1.08487	1.08653	1.09507	1.09091	1.08395	1.09781	1.09828
	P ₂₀	1.11745	1.11598	1.08805	1.08979	1.09789	1.09394	1.08732	1.10051	1.10091
	Σταθεροποίηση τιμής	P₁₉₇ : 1,15	P₁₉₀ : 1,15	P₂₀₀ ≈ 1,15	P₂₀₀ : 1,15	P₁₉₈ : 1,15	P₁₉₈ : 1,15	P₂₀₀ ≈ 1,15	P₁₉₇ : 1,15	P₁₉₆ : 1,15

Πίνακας αποτελεσμάτων 1^{ου} μοντέλου με υποτίμηση του νομίσματος κατά 15% (συνέχεια)

	PRODUCTS (CPA)	Research and development services	Other business services	Public administrat. and defence services; compulsory ...	Education services	Health and social work services	Sewage and refuse disposal services, sanitation ...	Membership organisation services n.e.c.	Recreational, cultural and sporting services	Other services	Private households with employed persons
	Τιμή	BB	BC	BD	BE	BF	BG	BH	BI	BJ	BK
Μεταβολή της τιμής από την 1 ^η επανάληψη έως την 20 ^η	P ₁	1.00799	1.00781	1.01367	1.00046	1.01992	1.00871	1.00696	1.00814	1.00564	0
	P ₂	1.01645	1.01604	1.02593	1.00197	1.03716	1.01913	1.01453	1.01637	1.01194	0
	P ₃	1.02491	1.02392	1.03675	1.00432	1.05102	1.02925	1.02188	1.02438	1.01864	0
	P ₄	1.03299	1.03128	1.04623	1.00728	1.06207	1.03862	1.02883	1.03199	1.02547	0
	P ₅	1.04052	1.0381	1.05451	1.01068	1.07096	1.04717	1.03536	1.03913	1.03223	0
	P ₆	1.04745	1.04443	1.06176	1.0144	1.07823	1.05494	1.04148	1.04576	1.03879	0
	P ₇	1.0538	1.05031	1.06813	1.01834	1.08428	1.06198	1.04723	1.05192	1.0451	0
	P ₈	1.05962	1.05579	1.07378	1.02243	1.08939	1.06835	1.05264	1.05762	1.05111	0
	P ₉	1.06495	1.0609	1.07882	1.02663	1.09378	1.07413	1.05774	1.0629	1.0568	0
	P ₁₀	1.06987	1.06568	1.08336	1.03087	1.09761	1.07937	1.06255	1.06781	1.06217	0
	P ₁₁	1.07441	1.07017	1.08746	1.03514	1.10101	1.08413	1.0671	1.07238	1.06723	0
	P ₁₂	1.07863	1.07439	1.0912	1.0394	1.10405	1.08848	1.07141	1.07665	1.07198	0
	P ₁₃	1.08255	1.07837	1.09463	1.04362	1.1068	1.09245	1.07548	1.08064	1.07644	0
	P ₁₄	1.08622	1.08212	1.0978	1.04779	1.10931	1.09609	1.07934	1.08438	1.08063	0
	P ₁₅	1.08965	1.08565	1.10073	1.05189	1.11162	1.09943	1.08299	1.08789	1.08455	0
	P ₁₆	1.09287	1.089	1.10345	1.0559	1.11376	1.1025	1.08645	1.09118	1.08823	0
	P ₁₇	1.09589	1.09216	1.106	1.05982	1.11575	1.10534	1.08974	1.09429	1.09168	0
	P ₁₈	1.09874	1.09515	1.10837	1.06364	1.1176	1.10797	1.09284	1.09722	1.09491	0
	P ₁₉	1.10143	1.09798	1.11061	1.06734	1.11934	1.11041	1.09579	1.09998	1.09795	0
	P ₂₀	1.10396,	1.10066	1.1127	1.07094	1.12097	1.11267	1.09859	1.10259	1.1008	0
	Σταθεροποίηση τιμής	P₁₉₅ : 1,15	P₁₉₇ : 1,15	P₁₉₁ : 1,15	P₂₀₀ ≈ 1,15	P₁₈₆ : 1,15	P₁₉₀ : 1,15	P₁₉₇ : 1,15	P₁₉₆ : 1,15	P₁₉₆ : 1,15	

αποτελέσματα καλύτερα αντιληπτά από τον αναγνώστη έχουν μεταφερθεί σε πίνακα που ακολουθούν στην επόμενη ενότητα (4.6.2 ενότητα).

Ο πίνακας αυτός μας δείχνει :

α) τις επιδράσεις των τιμών των εμπορευμάτων ανά κλάδο για τις πρώτες 20 επαναλήψεις (που είναι και μεγαλύτερες)

β) σε πια επανάληψη σταματάνε οι επιδράσεις της υποτίμησης (τελευταία σειρά)

και

γ) τη τιμή που έχουν τα εμπορεύματα μετά το πέρας της επίδρασης της υποτίμησης του νομίσματος κατά 50 % (τελευταία σειρά)

4.6.2 Αποτελέσματα 1^{ου} μοντέλου σε πίνακα για υποτίμηση 50%

Πίνακας αποτελεσμάτων 1 ^{ου} μοντέλου με υποτίμηση του νομίσματος κατά 50%											
	PRODUCTS (CPA)	Products of agriculture , hunting & related services	Products of forestry, logging and related services	Fish and other fishing products; services incidental of fishing	Coal and lignite; peat	Crude petroleum and natural gas; services incidental to oil and gas ...	Uranium and thorium ores	Metal ores	Other mining and quarrying products	Food products and beverages	Tobacco products
	Τιμή	E	F	G	H	I	J	K	L	M	N
Μεταβολή της τιμής από την 1 ^η επανάληψη έως την 20 ^η	P ₁	1.03061	1.0015	1.02729	1.03676	1.05692	0.0	1.03651	1.04307	1.04129	1.03999
	P ₂	1.0687	1.012	1.06978	1.08058	1.10721	0.0	1.08252	1.09774	1.07705	1.07606
	P ₃	1.10453	1.02709	1.11041	1.12099	1.15087	0.0	1.12531	1.1438	1.11023	1.10909
	P ₄	1.13672	1.04488	1.14642	1.15641	1.18742	0.0	1.16209	1.18044	1.14054	1.13882
	P ₅	1.16543	1.06421	1.17785	1.1871	1.21753	0.0	1.19295	1.20974	1.16784	1.16535
	P ₆	1.19103	1.0843	1.20526	1.21371	1.24239	0.0	1.2188	1.2337	1.19229	1.189
	P ₇	1.2139	1.10458	1.22921	1.23689	1.26315	0.0	1.24062	1.25379	1.21417	1.21016
	P ₈	1.2344	1.12466	1.25024	1.2572	1.2808	0.0	1.2593	1.27103	1.23382	1.2292
	P ₉	1.25283	1.14428	1.2688	1.27513	1.29608	0.0	1.27555	1.28613	1.25152	1.24643
	P ₁₀	1.26946	1.16324	1.28528	1.29106	1.30953	0.0	1.28989	1.29958	1.26755	1.26212
	P ₁₁	1.28452	1.18145	1.3	1.30532	1.32154	0.0	1.30273	1.31172	1.28213	1.27647
	P ₁₂	1.29822	1.19883	1.31322	1.31816	1.3324	0.0	1.31436	1.32279	1.29546	1.28966
	P ₁₃	1.31074	1.21535	1.32517	1.3298	1.34232	0.0	1.32501	1.33297	1.30769	1.30184
	P ₁₄	1.3222	1.23101	1.33603	1.34039	1.35143	0.0	1.33483	1.34239	1.31896	1.31312
	P ₁₅	1.33276	1.24582	1.34596	1.35008	1.35986	0.0	1.34394	1.35115	1.32938	1.32361
	P ₁₆	1.3425	1.25981	1.35506	1.359	1.36769	0.0	1.35243	1.35931	1.33906	1.33338
	P ₁₇	1.35153	1.273	1.36346	1.36722	1.375	0.0	1.36038	1.36695	1.34806	1.34251
	P ₁₈	1.35991	1.28544	1.37123	1.37483	1.38182	0.0	1.36784	1.37412	1.35645	1.35107
	P ₁₉	1.36772	1.29716	1.37845	1.38191	1.38822	0.0	1.37485	1.38085	1.3643	1.35909
	P ₂₀	1.37502	1.3082	1.38518	1.38849	1.39422	0.0	1.38145	1.38718	1.37166	1.36662
Σταθεροποίηση τιμής		P₂₁₂ : 1,5	P₂₂₀ : 1,5	P₂₂₃ : 1,5	P₂₁₀ : 1,5	P₂₁₃ : 1,5		P₂₁₂ : 1,5	P₂₁₁ : 1,5	P₂₁₂ : 1,5	P₂₁₃ : 1,5

Πίνακας αποτελεσμάτων 1^{ου} μοντέλου με υποτίμηση του νομίσματος κατά 50% (συνέχεια)

	PRODUCTS (CPA)	Textiles	Wearing apparel; furs	Leather and leather products	Wood and products of wood and cork (except furniture);	Pulp, paper and paper products	Printed matter and recorded media	Coke, refined petroleum products and nuclear fuels	Chemicals, chemical products and man-made fibres	Rubber and plastic products	Other non-metallic mineral products
	Τιμή	O	P	Q	R	S	T	U	V	W	X
Μεταβολή της τιμής από την 1 ^η επανάληψη έως την 20 ^η	P ₁	1.09074	1.07241	1.08793	1.08165	1.12015	1.07374	1.33344	1.14101	1.11112	1.04902
	P ₂	1.15007	1.12442	1.15101	1.13362	1.1856	1.12836	1.40351	1.21033	1.1789	1.09354
	P ₃	1.1915	1.1636	1.19498	1.169	1.2249	1.16832	1.42134	1.24944	1.22232	1.13239
	P ₄	1.2222	1.1943	1.2269	1.1956	1.25149	1.19846	1.42857	1.27501	1.25224	1.16569
	P ₅	1.24623	1.2192	1.25138	1.21728	1.27156	1.22225	1.43342	1.29392	1.27451	1.19411
	P ₆	1.26595	1.24004	1.27107	1.23589	1.28794	1.24189	1.43752	1.30915	1.29225	1.21846
	P ₇	1.28274	1.25792	1.28756	1.25238	1.30201	1.25873	1.44121	1.3221	1.30711	1.2395
	P ₈	1.29741	1.27361	1.3018	1.26728	1.31447	1.27359	1.44461	1.33347	1.32001	1.25789
	P ₉	1.31047	1.28761	1.31436	1.28091	1.32571	1.28696	1.44774	1.34365	1.33145	1.27414
	P ₁₀	1.32225	1.30027	1.32564	1.29347	1.33597	1.29917	1.45065	1.3529	1.34178	1.28866
	P ₁₁	1.33298	1.31183	1.33589	1.30512	1.34541	1.31043	1.45336	1.36137	1.35119	1.30177
	P ₁₂	1.34282	1.32249	1.3453	1.31596	1.35415	1.32088	1.45589	1.36919	1.35983	1.31369
	P ₁₃	1.3519	1.33236	1.35399	1.3261	1.36226	1.33063	1.45826	1.37645	1.36782	1.32461
	P ₁₄	1.36031	1.34156	1.36206	1.33559	1.36983	1.33975	1.46049	1.38322	1.37523	1.33468
	P ₁₅	1.36812	1.35015	1.36959	1.34449	1.37691	1.34831	1.46259	1.38955	1.38214	1.34401
	P ₁₆	1.37541	1.3582	1.37664	1.35286	1.38355	1.35635	1.46456	1.39548	1.38859	1.35268
	P ₁₇	1.38222	1.36577	1.38324	1.36074	1.38978	1.36393	1.46642	1.40105	1.39462	1.36078
	P ₁₈	1.3886	1.37288	1.38946	1.36815	1.39564	1.37108	1.46818	1.40629	1.40029	1.36835
	P ₁₉	1.39459	1.37959	1.3953	1.37515	1.40116	1.37782	1.46984	1.41123	1.40561	1.37545
	P ₂₀	1.40021	1.38591	1.40082	1.38175	1.40637	1.38419	1.47141	1.41589	1.41062	1.38211
	Σταθεροποίηση τιμής	P₂₀₇ : 1,5	P₂₁₀ : 1,5	P₁₉₅ : 1,5	P₂₁₁ : 1,5	P₂₀₆ : 1,5	P₂₁₁ : 1,5	P₁₈₄ : 1,5	P₂₀₄ : 1,5	P₂₀₅ : 1,5	P₂₁₀ : 1,5

Πίνακας αποτελεσμάτων 1 ^{ου} μοντέλου με υποτίμηση του νομίσματος κατά 50% (συνέχεια)											
	PRODUCTS (CPA)	Basic metals	Fabricated metal products, except machinery & equipment	Machinery and equipment n.e.c.	Office machinery and computers	Electrical machinery and apparatus n.e.c.	Radio, television and communication equipment and apparatus	Medical, precision and optical instruments, watches and clocks	Motor vehicles, trailers and semi-trailers	Other transport equipment	Furniture; other manufact. goods n.e.c.
	Τιμή	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH
Μεταβολή της τιμής από την 1 ^η επανάληψη έως την 20 ^η	P ₁	1.15279	1.11407	1.12205	1.07173	1.1195	1.07333	1.12107	1.14928	1.11845	1.06892
	P ₂	1.23415	1.1931	1.1975	1.12561	1.19763	1.12732	1.19271	1.22561	1.19277	1.12345
	P ₃	1.28009	1.24408	1.24501	1.1667	1.24769	1.16814	1.23731	1.26813	1.24032	1.16547
	P ₄	1.30868	1.27738	1.27639	1.19874	1.28066	1.19989	1.2672	1.29463	1.27218	1.19807
	P ₅	1.32848	1.30039	1.2985	1.22439	1.30364	1.22536	1.2889	1.3132	1.29487	1.224
	P ₆	1.34355	1.31751	1.31519	1.24554	1.3208	1.2464	1.30581	1.32755	1.31214	1.24527
	P ₇	1.35582	1.33117	1.32862	1.26347	1.33448	1.26426	1.31974	1.33944	1.32609	1.26325
	P ₈	1.36627	1.34267	1.33997	1.27904	1.34595	1.27979	1.3317	1.34974	1.33789	1.27886
	P ₉	1.37542	1.35272	1.34991	1.29283	1.35593	1.29355	1.34225	1.35891	1.34821	1.2927
	P ₁₀	1.38358	1.36173	1.35883	1.30523	1.36482	1.30593	1.35173	1.36721	1.35745	1.30515
	P ₁₁	1.39094	1.36991	1.36696	1.31652	1.37288	1.3172	1.36037	1.37482	1.36584	1.31651
	P ₁₂	1.39763	1.37743	1.37445	1.3269	1.38025	1.32756	1.3683	1.38184	1.37354	1.32695
	P ₁₃	1.40376	1.38438	1.3814	1.3365	1.38706	1.33714	1.37565	1.38836	1.38065	1.33662
	P ₁₄	1.4094	1.39083	1.38788	1.34544	1.39337	1.34605	1.38248	1.39445	1.38727	1.34562
	P ₁₅	1.41461	1.39684	1.39394	1.35379	1.39925	1.35438	1.38886	1.40014	1.39344	1.35402
	P ₁₆	1.41945	1.40247	1.39962	1.36162	1.40475	1.36218	1.39484	1.40548	1.39921	1.36189
	P ₁₇	1.42395	1.40774	1.40496	1.36897	1.40989	1.3695	1.40045	1.4105	1.40462	1.36928
	P ₁₈	1.42814	1.41269	1.40999	1.37588	1.41472	1.3764	1.40573	1.41522	1.4097	1.37624
	P ₁₉	1.43207	1.41734	1.41473	1.3824	1.41926	1.38289	1.4107	1.41968	1.41449	1.38279
	P ₂₀	1.43575	1.42172	1.4192	1.38855	1.42354	1.38902	1.41539	1.42388	1.41899	1.38896
	Σταθεροποίηση τιμής	P₁₉₉ : 1,5	P₂₀₃ : 1,5	P₂₀₄ : 1,5	P₂₁₀ : 1,5	P₂₀₂ : 1,5	P₂₁₃ : 1,5	P₂₀₄ : 1,5	P₂₀₄ : 1,5	P₃₀₀ ≈ 1,5	P₂₁₀ : 1,5

Πίνακας αποτελεσμάτων 1^{ου} μοντέλου με υποτίμηση του νομίσματος κατά 50% (συνέχεια)

	PRODUCTS (CPA)	Secondary raw materials	Electrical energy, gas, steam and hot water	Collected and purified water, distribution services of water	Construction work	Trade, maintenance and repair services of motor vehicles & motorcycles; retail sale of automotive fuel	Wholesale trade and commission trade services, except of motor ...	Retail trade services, except of motor vehicles and motorcycles; repair services ...	Hotel and restaurant services	Land transport; transport via pipeline services	Water transport services
	Τιμή	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR
Μεταβολή της τιμής από την 1 ^η επανάληψη έως την 20 ^η	P ₁	1.13222	1.02405	1.03596	1.05754	1.02271	1.0349	1.02117	1.03903	1.06507	1.14002
	P ₂	1.21487	1.06118	1.0758	1.11403	1.04415	1.07225	1.04464	1.07673	1.14048	1.22751
	P ₃	1.26379	1.09789	1.11303	1.16019	1.06507	1.10774	1.06851	1.11078	1.19492	1.27935
	P ₄	1.29445	1.13163	1.14652	1.19655	1.08552	1.1396	1.09171	1.14118	1.23229	1.31143
	P ₅	1.31554	1.16207	1.17631	1.22532	1.10545	1.16753	1.1138	1.1683	1.25889	1.33291
	P ₆	1.33142	1.18933	1.20274	1.24855	1.12481	1.1919	1.13462	1.19252	1.27896	1.34853
	P ₇	1.34425	1.2137	1.22618	1.26781	1.14352	1.21324	1.15421	1.21418	1.29504	1.36074
	P ₈	1.35516	1.23547	1.24703	1.28419	1.16154	1.2321	1.17262	1.23364	1.30856	1.37082
	P ₉	1.36471	1.25494	1.26563	1.29846	1.17883	1.24893	1.18995	1.25118	1.32036	1.37947
	P ₁₀	1.37325	1.2724	1.28229	1.31111	1.19536	1.26411	1.20627	1.26707	1.33092	1.38709
	P ₁₁	1.38099	1.28811	1.29726	1.32251	1.21113	1.27792	1.22166	1.28154	1.34055	1.39394
	P ₁₂	1.38806	1.30229	1.31079	1.33289	1.22613	1.2906	1.23619	1.29476	1.34942	1.40016
	P ₁₃	1.39457	1.31515	1.32305	1.34243	1.24039	1.30231	1.24993	1.30691	1.35766	1.40588
	P ₁₄	1.40059	1.32685	1.33422	1.35125	1.25393	1.31318	1.26292	1.31812	1.36535	1.41117
	P ₁₅	1.40618	1.33754	1.34443	1.35946	1.26676	1.32332	1.27521	1.3285	1.37256	1.41608
	P ₁₆	1.41138	1.34734	1.35381	1.36711	1.27893	1.33281	1.28685	1.33814	1.37934	1.42067
	P ₁₇	1.41624	1.35637	1.36245	1.37428	1.29045	1.34171	1.29787	1.34712	1.38571	1.42495
	P ₁₈	1.42079	1.36472	1.37044	1.38101	1.30137	1.35008	1.30831	1.35551	1.39173	1.42898
	P ₁₉	1.42506	1.37245	1.37784	1.38733	1.31171	1.35796	1.3182	1.36336	1.3974	1.43275
	P ₂₀	1.42907	1.37964	1.38472	1.39328	1.3215	1.3654	1.32758	1.37072	1.40276	1.43631
	Σταθεροποίηση τιμής	P₂₀₁ : 1,5	P₂₁₁ : 1,5	P₂₁₀ : 1,5	P₂₀₉ : 1,5	P₂₂₀ : 1,5	P₂₁₄ : 1,5	P₂₁₉ : 1,5	P₂₁₃ : 1,5	P₂₀₈ : 1,5	P₂₁₇ : 1,5

Πίνακας αποτελεσμάτων 1^{ου} μοντέλου με υποτίμηση του νομίσματος κατά 50% (συνέχεια)

	PRODUCTS (CPA)	Air transport services	Supporting and auxiliary transport services; travel ...	Post and telecommunication services	Financial intermediat. services, except insurance & pension ...	Insurance and pension funding services, except compulsory ...	Activities auxiliary to financial intermediat.	Real estate services	Renting services of machinery & equipment without operator & of p & h goods	Computer and related services
	Τιμή	AS	AT	AU	AV	AW	AX	AY	AZ	BA
Μεταβολή της τιμής από την 1 ^η επανάληψη έως την 20 ^η	P ₁	1.05769	1.05455	1.01438	1.00829	1.02209	1.01397	1.00455	1.026	1.03089
	P ₂	1.11724	1.10494	1.03081	1.02085	1.04475	1.03131	1.01385	1.05366	1.05977
	P ₃	1.16395	1.14672	1.04786	1.0362	1.06766	1.0504	1.02706	1.07991	1.08646
	P ₄	1.19951	1.18078	1.06511	1.05331	1.09016	1.07029	1.04288	1.10423	1.11095
	P ₅	1.22718	1.20879	1.08237	1.0714	1.11183	1.09037	1.06024	1.1267	1.13339
	P ₆	1.24941	1.2322	1.09948	1.08992	1.13245	1.1102	1.07838	1.14753	1.15402
	P ₇	1.26787	1.25213	1.11634	1.10849	1.15199	1.12953	1.09677	1.16691	1.17308
	P ₈	1.28366	1.26941	1.13287	1.12682	1.17043	1.14819	1.11506	1.18501	1.19077
	P ₉	1.29748	1.28464	1.149	1.14473	1.18784	1.16608	1.13303	1.20195	1.20726
	P ₁₀	1.30981	1.29824	1.16468	1.1621	1.20426	1.18317	1.15053	1.21787	1.2227
	P ₁₁	1.32097	1.31053	1.17989	1.17884	1.21977	1.19945	1.16747	1.23284	1.2372
	P ₁₂	1.33119	1.32173	1.19459	1.19492	1.23441	1.21492	1.18378	1.24694	1.25084
	P ₁₃	1.34062	1.33203	1.20877	1.2103	1.24824	1.2296	1.19945	1.26025	1.26371
	P ₁₄	1.34938	1.34154	1.22243	1.22499	1.26131	1.24353	1.21446	1.2728	1.27587
	P ₁₅	1.35755	1.35037	1.23556	1.23899	1.27368	1.25674	1.2288	1.28467	1.28736
	P ₁₆	1.3652	1.35859	1.24817	1.25231	1.28538	1.26925	1.2425	1.29589	1.29825
	P ₁₇	1.37238	1.36628	1.26025	1.26498	1.29646	1.28112	1.25555	1.3065	1.30856
	P ₁₈	1.37913	1.37349	1.27183	1.27701	1.30695	1.29237	1.26799	1.31654	1.31833
	P ₁₉	1.3855	1.38025	1.2829	1.28844	1.31689	1.30303	1.27982	1.32604	1.3276
	P ₂₀	1.3915	1.38662	1.29349	1.29929	1.3263	1.31314	1.29107	1.33504	1.33638
	Σταθεροποίηση τιμής	P₂₂₂ : 1,5	P₂₁₂ : 1,5	P₂₂₃ : 1,5	P₂₂₂ : 1,5	P₂₁₉ : 1,5	P₂₂₀ : 1,5	P₂₂₂ : 1,5	P₂₁₉ : 1,5	P₂₁₈ : 1,5

Πίνακας αποτελεσμάτων 1^{ου} μοντέλου με υποτίμηση του νομίσματος κατά 50% (συνέχεια)

	PRODUCTS (CPA)	Research and development services	Other business services	Public administrat. and defence services; compulsory ...	Education services	Health and social work services	Sewage and refuse disposal services, sanitation ...	Membership organisation services n.e.c.	Recreational, cultural and sporting services	Other services	Private households with employed persons
	Τιμή	BB	BC	BD	BE	BF	BG	BH	BI	BJ	BK
Μεταβολή της τιμής από την 1 ^η επανάληψη έως την 20 ^η	P ₁	1.02663	1.02605	1.04557	1.00152	1.06639	1.02903	1.0232	1.02713	1.0188	0
	P ₂	1.05483	1.05348	1.08642	1.00657	1.12386	1.06378	1.04844	1.05456	1.03979	0
	P ₃	1.08303	1.07974	1.1225	1.0144	1.17005	1.0975	1.07295	1.08126	1.06215	0
	P ₄	1.10997	1.10427	1.15409	1.02427	1.20688	1.12873	1.09611	1.10664	1.08491	0
	P ₅	1.13507	1.12702	1.18169	1.03561	1.23654	1.15725	1.11786	1.13042	1.10743	0
	P ₆	1.15817	1.14811	1.20585	1.04799	1.26077	1.18314	1.13826	1.15254	1.12931	0
	P ₇	1.17934	1.1677	1.22711	1.06113	1.28092	1.20659	1.15743	1.17305	1.15033	0
	P ₈	1.19872	1.18595	1.24595	1.07477	1.29795	1.22783	1.17546	1.19205	1.17036	0
	P ₉	1.21651	1.20299	1.26275	1.08875	1.3126	1.24708	1.19246	1.20967	1.18933	0
	P ₁₀	1.23289	1.21894	1.27785	1.10291	1.32538	1.26456	1.20851	1.22604	1.20724	0
	P ₁₁	1.24804	1.23391	1.29153	1.11714	1.33669	1.28045	1.22368	1.24128	1.2241	0
	P ₁₂	1.26209	1.24798	1.304	1.13133	1.34682	1.29493	1.23803	1.2555	1.23995	0
	P ₁₃	1.27517	1.26123	1.31544	1.14541	1.356	1.30816	1.2516	1.2688	1.25481	0
	P ₁₄	1.28739	1.27372	1.32598	1.1593	1.36437	1.32029	1.26446	1.28125	1.26876	0
	P ₁₅	1.29882	1.28551	1.33575	1.17296	1.37207	1.33142	1.27664	1.29295	1.28183	0
	P ₁₆	1.30955	1.29666	1.34484	1.18633	1.3792	1.34167	1.28818	1.30395	1.29409	0
	P ₁₇	1.31964	1.30719	1.35332	1.1994	1.38583	1.35114	1.29912	1.3143	1.30559	0
	P ₁₈	1.32913	1.31716	1.36125	1.21212	1.39201	1.3599	1.30948	1.32406	1.31638	0
	P ₁₉	1.33809	1.3266	1.36869	1.22448	1.3978	1.36802	1.31931	1.33327	1.3265	0
	P ₂₀	1.34654	1.33553	1.37567	1.23647	1.40324	1.37557	1.32862	1.34197	1.33601	0
	Σταθεροποίηση τιμής	P₂₁₆ : 1,5	P₂₁₈ : 1,5	P₂₁₂ : 1,5	P₂₂₉ : 1,5	P₂₀₇ : 1,5	P₂₁₁ : 1,5	P₂₁₈ : 1,5	P₂₁₇ : 1,5	P₂₁₇ : 1,5	

4.7 Δείκτης Συνολικού Πληθωρισμού Για Ποσοστό Υποτίμησης, 15% Και 50%

Στο σημείο αυτό για να έχουμε μία καλύτερη εικόνα του πληθωριστικού κύματος που δημιουργείται στο πρώτο μοντέλο λόγω της υποτίμησης του νομίσματος υπολογίζουμε τους δείκτες συνολικού πληθωρισμού (ΣΣΔΠ)²³ για τα ποσοστά υποτίμησης 15% και 50%. Για να υπολογίσουμε αυτούς τους δείκτες πρέπει να κάνουμε αρχικά τους εξής υπολογισμούς:

1^{ον} πολλαπλασιάζουμε την τιμή P κάθε κλάδου της οικονομίας με την εγχώρια παραγωγή κάθε κλάδου (έχουμε 59 τιμές και 59 κλάδους άρα θα υπολογίσουμε 59 γινόμενα ένα για κάθε κλάδο).

Όπου : P οι τιμές P_1, P_2, P_3, P_4, P_5 που βρήκαμε στην ενότητα 4.5.2 και 4.6.2 και $P_0 = 1$ ²⁴.

2^{ον} προσθέτουμε τα 59 γινόμενα που υπολογίσαμε και βρίσκουμε τη αξία συνολικής παραγωγής για τις χρονικές περιόδους 0,1,2,3,4 και 5 αντίστοιχα με τα $P_0, P_1, P_2, P_3, P_4, P_5$.

Τώρα είμαστε έτοιμοι να υπολογίσουμε τους δείκτες συνολικού πληθωρισμού για ποσοστό υποτίμησης 15% και 50%.

²³ Θα υπολογίσουμε πέντε δείκτες πληθωρισμού που αντιστοιχούν σε πέντε έτη και αυτό γιατί πέρα από τα πέντε χρόνια πρακτικά οι δείκτες δεν έχουν νόημα. (Μετά από πέντε έτη θα έχουμε τεχνολογικές μεταβολές, μεταβολές στην κατανομή του εισοδήματος, υποκαταστάσεις εισαγωγών-εξαγωγών κ.λπ., οπότε το υπόδειγμα χάνει την όποια αξιοπιστία του).

²⁴ $P_0 = 1$ επειδή έχουμε θεωρήσει ως φυσική μονάδα μέτρησης κάθε εμπορεύματος εκείνη την ποσότητά του, της οποίας η αγοραία αξία (η τιμή αγοράς) ισούται με 1 νομισματική μονάδα.

4.7.1 Δείκτες συνολικού πληθωρισμού για ποσοστό υποτίμησης 15%

Μετά από τους υπολογισμούς (βλέπε αναλυτικά στη σελίδα 46) που έγιναν σύμφωνα με την ενότητα 4.7 είμαστε σε θέση να αναφέρουμε ότι οι αξίες συνολικής παραγωγής με υποτίμηση 15% για τις χρονικές περιόδους 0,1,2,3,4,5 είναι οι εξής :

Αξία συνολικής παραγωγής (ΑΣΠ)	
Συνολική αξία παραγωγής την P ₀ περίοδο	87963,148700363500
Συνολική αξία παραγωγής την P ₁ περίοδο	89458,871810396000
Συνολική αξία παραγωγής την P ₂ περίοδο	90628,411497152800
Συνολική αξία παραγωγής την P ₃ περίοδο	91565,256041804900
Συνολική αξία παραγωγής την P ₄ περίοδο	92338,687974961200
Συνολική αξία παραγωγής την P ₅ περίοδο	92994,381366992000

Έτσι οι δείκτες συνολικού πληθωρισμού βάση των υπολογισμών (βλέπε αναλυτικά σελίδα 46) είναι οι εξής:

Περίοδος δείκτη συνολικού πληθωρισμού (ΣΣΔΠ)	$\Sigma\Sigma\Delta\Pi = [\text{ΑΣΠ περιόδου } t+1 - \text{ΑΣΠ περιόδου } t] / \text{ΑΣΠ περιόδου } t$	ΣΣΔΠ σε ποσοστό (%)
Δείκτης συνολικού πληθωρισμού την πρώτη περίοδο	0,017003974188	1,70%
Δείκτης συνολικού πληθωρισμού την δεύτερη περίοδο	0,013073490232	1,30%
Δείκτης συνολικού πληθωρισμού την τρίτη περίοδο	0,010337205841	1,03%
Δείκτης συνολικού πληθωρισμού την τέταρτη περίοδο	0,008446783929	0,84%
Δείκτης συνολικού πληθωρισμού την πέμπτη περίοδο	0,007100960674	0,71%

4.7.2 Δείκτες συνολικού πληθωρισμού για ποσοστό υποτίμησης 50%

Μετά από τους υπολογισμούς (βλέπε αναλυτικά στη σελίδα 46) που έγιναν σύμφωνα με την ενότητα 4.7 είμαστε σε θέση να αναφέρουμε ότι οι αξίες συνολικής παραγωγής με υποτίμηση 50% για τις χρονικές περιόδους 0,1,2,3,4,5 είναι οι εξής :

Αξία συνολικής παραγωγής (ΑΣΠ)	
Συνολική αξία παραγωγής την P ₀ περίοδο	87963,14870036350
Συνολική αξία παραγωγής την P ₁ περίοδο	92948,97980875270
Συνολική αξία παραγωγής την P ₂ περίοδο	96847,36553186710
Συνολική αξία παραγωγής την P ₃ περίοδο	99970,33248061210
Συνολική αξία παραγωγής την P ₄ περίοδο	102548,09870744800
Συνολική αξία παραγωγής την P ₅ περίοδο	104734,04374638600

Έτσι οι δείκτες συνολικού πληθωρισμού βάση των υπολογισμών (βλέπε αναλυτικά σελίδα 46) είναι οι εξής:

Περίοδος δείκτη συνολικού πληθωρισμού (ΣΣΔΠ)	$\Sigma\Sigma\Delta\P=[\text{ΑΣΠ περιόδου } t+1 - \text{ΑΣΠ περιόδου } t]/\text{ΑΣΠ περιόδου } t$	ΣΣΔΠ σε ποσοστό (%)
Δείκτης συνολικού πληθωρισμού την πρώτη περίοδο	0,05668090765	5,66%
Δείκτης συνολικού πληθωρισμού την δεύτερη περίοδο	0,04194113514	4,19%
Δείκτης συνολικού πληθωρισμού την τρίτη περίοδο	0,03224627672	3,22%
Δείκτης συνολικού πληθωρισμού την τέταρτη περίοδο	0,02578531213	2,57%
Δείκτης συνολικού πληθωρισμού την πέμπτη περίοδο	0,02131629027	2,13%

ΣΣΔΠ 1

Μοντέλο 2^ο

$$**P = (P*Dom + P*Imp + P*B + P*F) * (1+r)**$$

5. Μοντέλο 2^ο

5.1 Ορισμός & Επεξήγηση 2^{ου} Μοντέλου

Όπως στο προηγούμενο κεφάλαιο έτσι και σε αυτό θα επεξεργαστούμε με τον ίδιο τρόπο ένα ακόμη μοντέλο. Το μοντέλο είναι της εξής μορφής :

$$P = (P*Dom + P*Imp + P*B + P*F) * (1+r)$$

Όπου:

P → Διάνυσμα γραμμή (1x59) των τιμών των εμπορευμάτων
Ως φυσική μονάδα μέτρησης κάθε εμπορεύματος θεωρούμε εκείνη την ποσότητά του, της οποίας η αγοραία αξία (η τιμή αγοράς) ισούται με 1 νομισματική μονάδα.

Dom → Μήτρα συντελεστών εγχώριας παραγωγής (59x59)

Imp → Μήτρα συντελεστών εισαγωγών (59x59)

B → Διαγώνια μήτρα (59x59) όπου όλα τα στοιχεία της είναι μηδέν εκτός από τα στοιχεία της κύριας διαγωνίου που εκφράζουν το ποσοστό των ακαθάριστων αποσβέσεων παγίου κεφαλαίου του κλάδου j στην τιμή του εμπορεύματος j

F → Διαγώνια μήτρα (59x59) όπου όλα τα στοιχεία της είναι μηδέν εκτός από τα στοιχεία της κύριας διαγωνίου που εκφράζουν το ποσοστό των καθαρών φόρων επί της παραγωγής του κλάδου j στην τιμή του εμπορεύματος j

r → Διαγώνια μήτρα (59x59) όπου όλα τα στοιχεία της είναι μηδέν εκτός από τα στοιχεία της κύριας διαγωνίου που εκφράζουν το ποσοστό του αθροίσματος των αμοιβών των απασχολουμένων και του καθαρού λειτουργικού πλεονάσματος του κλάδου j στο άθροισμα των συνολικών ενδιάμεσων εισροών, των ακαθάριστων αποσβέσεων παγίου κεφαλαίου και των καθαρών φόρων επί της παραγωγής του κλάδου j ²⁵

Το παραπάνω σύστημα τιμών λέει ότι η τιμή P ενός εμπορεύματος οποιουδήποτε κλάδου της ελληνικής οικονομίας είναι ίση με την τιμή επί το συντελεστή της μήτρας εγχώριας παραγωγής συν την τιμή επί τον συντελεστή της μήτρας εισαγωγών συν την τιμή επί τον συντελεστή της

²⁵ Μαριόλης Θεόδωρος – Οικονομίδης Χαράλαμπος – Σταμάτης Γιώργος – Φουστέρης Νίκος, 1997, Ποσοτική εκτίμηση των επιπτώσεων της υποτίμησης στο «κόστος» παραγωγής, Αθήνα, Εκδόσεις «Κριτική», σελ 13

μήτρας των καθαρών αποσβέσεων συν την τιμή επί τον συντελεστή της μήτρας των καθαρών φόρων και όλο αυτό επί το συντελεστή της μήτρας $(r + 1)$.

Για παράδειγμα η τιμή του P του κλάδου Coke, refined petroleum products and nuclear fuels με φυσική μονάδα μέτρησης τη μονάδα είναι ίση με

$$P = (1 * 0,18474 + 1 * 0,640975 + 1 * 0,0089631 + 1 * 0,039028) * (1,144547) \Rightarrow$$

\uparrow	\uparrow	\uparrow	\uparrow	\uparrow
Dom	Imp	B	F	$(1 + r)$

$$\Rightarrow P = 1$$

Ας δούμε όμως πώς προήλθαν οι μήτρες που χρησιμοποιήσαμε στο σύστημα τιμών.

5.2 Επεξεργασία Αρχικών Πινάκων Εισροών – Εκροών Ελληνικής Οικονομίας

Για να μπορέσουμε να χρησιμοποιήσουμε το παραπάνω μοντέλο πρέπει να εξάγουμε τις μήτρες «Dom, Imp» και τους διαγώνιους πίνακες «B, F και $\Gamma+1$ ». Η εξαγωγή των μητρών γίνεται από τους αρχικούς πίνακες εισροών – εκροών (σελίδα 11-13). Παρακάτω αναλύεται η διαδικασία εξαγωγής της κάθε μήτρας ξεχωριστά.

5.2.1 Εξαγωγή μήτρας εγχώριας παραγωγής – Dom

- Η μήτρα εγχώριας παραγωγής – Dom (59x59) εξάγεται από τον πίνακα εγχώρια παραγωγή (σελίδα 12) ως εξής: Διαιρούμε τις εισροές κάθε κλάδου του πίνακα εγχώρια παραγωγή με τα στοιχεία της γραμμής «Output at basic prices». Η διαίρεση γίνεται ένα προς ένα στοιχείο, για παράδειγμα :

Το 1^ο στοιχείο της 1^{ης} στήλης της μήτρα Dom είναι ίσο με $E1/ E72$
Το 2^ο στοιχείο της 1^{ης} στήλης της μήτρα Dom είναι ίσο με $E2/ E72$
Το 3^ο στοιχείο της 1^{ης} στήλης της μήτρα Dom είναι ίσο με $E3/ E72$
... έως το 59^ο στοιχείο

Ομοίως και για την 2^η στήλη

Το 1^ο στοιχείο της 2^{ης} στήλης της μήτρα Dom είναι ίσο με $F1/ F72$
Το 2^ο στοιχείο της 2^{ης} στήλης της μήτρα Dom είναι ίσο με $F2/ F72$
Το 3^ο στοιχείο της 2^{ης} στήλης της μήτρα Dom είναι ίσο με $F3/ F72$
... έως το 59^ο στοιχείο

Ομοίως μέχρι την 59^η στήλη

Έτσι δημιουργούμε τη μήτρα συντελεστών εγχώριας παραγωγής (59x59) που την ονομάζουμε μήτρα εγχώριας παραγωγής M2 και ακολουθεί (σελίδα 51)

Μήτρα : Domestic M2

5.2.2 Εξαγωγή μήτρας εισαγωγών – Imp

- Η μήτρα εισαγωγών – Imp (59x59) εξάγεται από τον πίνακα εισαγωγών (σελίδα 13) ως εξής : διαιρούμε τις εισροές κάθε κλάδου του πίνακα εισαγωγών με τα στοιχεία της γραμμής «Output at basic prices». Η διαίρεση γίνεται ένα προς ένα στοιχείο, για παράδειγμα :

Το 1^ο στοιχείο της 1^{ης} στήλης της μήτρα Imp είναι ίσο με $E1/ E72$

Το 2^ο στοιχείο της 1^{ης} στήλης της μήτρα Imp είναι ίσο με $E2/ E72$

Το 3^ο στοιχείο της 1^{ης} στήλης της μήτρα Imp είναι ίσο με $E3/ E72$

...έως το 59^ο στοιχείο

Ομοίως και για την 2^η στήλη

Το 1^ο στοιχείο της 2^{ης} στήλης της μήτρα Imp είναι ίσο με $F1/ F72$

Το 2^ο στοιχείο της 2^{ης} στήλης της μήτρα Imp είναι ίσο με $F2/ F72$

Το 3^ο στοιχείο της 2^{ης} στήλης της μήτρα Imp είναι ίσο με $F3/ F72$

...έως το 59^ο στοιχείο

Ομοίως μέχρι την 59^η στήλη

Έτσι δημιουργούμε τη μήτρα συντελεστών εισαγωγών Imp (59x59) που την ονομάζουμε μήτρα εισαγωγών M2 και ακολουθεί (σελίδα 53).

Μήτρα : Import M2

5.2.3 Εξαγωγή διανύσματος – B και διαγώνιας μήτρας – B

Για να δημιουργήσουμε τη διαγώνια μήτρα B πρέπει πρώτα απ' όλα να φτιάξουμε το διάνυσμα γραμμή B. Το διάνυσμα B προκύπτει από τον πίνακα εγχώρια παραγωγή (σελίδα 12) αν διαιρέσουμε τα στοιχεία της γραμμής «Compensation of employees» με τα στοιχεία της γραμμής «Output at basic prices». Η διαίρεση γίνεται ένα προς ένα στοιχείο, για παράδειγμα:

Το 1^ο στοιχείο του διανύσματος γραμμή – B είναι ίσο με E64/E72

Το 2^ο στοιχείο του διανύσματος γραμμή – B είναι ίσο με F64/F72

Το 3^ο στοιχείο του διανύσματος γραμμή – B είναι ίσο με G64/G72

Ομοίως μέχρι το 59^η στοιχείο

Έτσι δημιουργούμε το διάνυσμα γραμμή – B (1x59) (σελίδα 55).

• Για να δημιουργήσουμε την διαγώνια μήτρα – B (59x59) που χρειαζόμαστε στο μοντέλο παίρνουμε ένα πίνακα (59x59) που όλα τα στοιχεία του είναι μηδέν εκτός από αυτά της κύριας διαγωνίου όπου βρίσκονται τα στοιχεία του διανύσματος γραμμής – B. Ειδικότερα :

Το 1^ο στοιχείο της 1^{ης} γραμμής της διαγώνιας μήτρας – B είναι το 1^ο στοιχείο του διανύσματος γραμμή – B

Το 2^ο στοιχείο της 2^{ης} γραμμής της διαγώνιας μήτρας – B είναι το 2^ο στοιχείο του διανύσματος γραμμή – B

Το 3^ο στοιχείο της 3^{ης} γραμμής της διαγώνιας μήτρας – B είναι το 3^ο στοιχείο του διανύσματος γραμμή – B

Ομοίως έως το 59^ο στοιχείο

Έτσι δημιουργούμε την διαγώνια μήτρα – B (59x59) που ακολουθεί (σελίδα 55)

διαγώνια μήτρα – B και διάνυσμα

5.2.4 Εξαγωγή διανύσματος – F και διαγώνιας μήτρας – F

Για να δημιουργήσουμε τη διαγώνια μήτρα – F πρέπει πρώτα απ’ όλα να φτιάξουμε το διάνυσμα γραμμή – F. Το διάνυσμα – F προκύπτει από τον πίνακα εγχώρια παραγωγή (σελίδα 12) αν διαιρέσουμε τα στοιχεία της γραμμής «Other net taxes on production» με τα στοιχεία της γραμμής «Output at basic prices». Η διαίρεση γίνεται ένα προς ένα στοιχείο, για παράδειγμα :

Το 1^ο στοιχείο του διανύσματος γραμμή – F είναι ίσο με E66/E72

Το 2^ο στοιχείο του διανύσματος γραμμή – F είναι ίσο με F66/F72

Το 3^ο στοιχείο του διανύσματος γραμμή – F είναι ίσο με G66/G72

Ομοίως μέχρι το 59^η στοιχείο

Έτσι δημιουργούμε το διάνυσμα γραμμή – F (1x59) (σελίδα 57).

• Για να δημιουργήσουμε την διαγώνια μήτρα – F (59x59) που χρειαζόμαστε στο μοντέλο μας θα πάρουμε ένα πίνακα (59x59) που όλα τα στοιχεία του είναι μηδέν εκτός από αυτά της κύριας διαγωνίου όπου θα βρίσκονται τα στοιχεία του διανύσματος γραμμής – F. Ειδικότερα :

Το 1^ο στοιχείο της 1^{ης} γραμμής της διαγώνιας μήτρας – F είναι το 1^ο στοιχείο του διανύσματος γραμμή – F

Το 2^ο στοιχείο της 2^{ης} γραμμής της διαγώνιας μήτρας – F είναι το 2^ο στοιχείο του διανύσματος γραμμή – F

Το 3^ο στοιχείο της 3^{ης} γραμμής της διαγώνιας μήτρας – F είναι το 3^ο στοιχείο του διανύσματος γραμμή – F

Ομοίως έως το 59^ο στοιχείο

Έτσι δημιουργούμε την διαγώνια μήτρα – F (59x59) που ακολουθεί (σελίδα 57).

διαγώνια μήτρα – F

5.2.5 Εξαγωγή διαγωνίας μήτρας – R

• Η διαγωνία μήτρα $R = r + 1$ προκύπτει με τη βοήθεια του πίνακα Table : Siot (σελίδα 11). Συγκεκριμένα για να δημιουργήσουμε την διαγωνία μήτρα r πρέπει να διαιρέσουμε το άθροισμα των αμοιβών των απασχολουμένων και του καθαρού λειτουργικού πλεονάσματος με το άθροισμα των συνολικών ενδιάμεσων εισροών, των ακαθάριστων αποσβέσεων παγίου κεφαλαίου και των καθαρών φόρων επί της παραγωγής. Βέβαια για να είναι ολοκληρωμένη η διαγωνία μήτρα που χρειαζόμαστε για το μοντέλο μας R πρέπει ακόμα να προσθέσουμε σε όλα τα στοιχεία της κύριας διαγωνίου τη μονάδα. Για την επίτευξη αυτού ακολουθούμε τέσσερα βήματα τα οποία παρουσιάζονται στο πίνακα Table : Siot M2 (σελίδα 60):

1^ο Βήμα : Προσθέτουμε τα στοιχεία της γραμμής «Compensation of employees» με τα αντίστοιχα²⁶ στοιχεία της γραμμής «Operating surplus, net» και δημιουργούμε τη γραμμή «Numerator»²⁷.

2^ο Βήμα : Προσθέτουμε τα αντίστοιχα στοιχεία της γραμμής «Total intermediate consumption» με τα αντίστοιχα στοιχεία της γραμμής «Consumption of fixed capital» και τα αντίστοιχα²⁸ στοιχεία της γραμμής «Other net taxes on production» και δημιουργούμε τη γραμμή «Denominator»²⁹

3^ο Βήμα : Διαιρούμε τα στοιχεία της γραμμής «Numerator» με τα αντίστοιχα³⁰ στοιχεία της γραμμής «Denominator» και δημιουργούμε την γραμμή r ³¹

4^ο Βήμα : Στα στοιχεία της γραμμής r προσθέτουμε τη μονάδα 1 ($r + 1$) και δημιουργούμε την R

5^ο Βήμα : Φτιάχνουμε έναν πίνακα (59x59) που όλα τα στοιχεία είναι μηδέν εκτός από τα στοιχεία της κύριας διαγωνίου που αποτελούν τα στοιχεία της R .

²⁶ Numerator E = E63 + E67 , Numerator F = F63 + F67, Numerator G = G63 + G67 και ου το καθ' εξής

²⁷ Numerator = Compensation of employees + Operating surplus, net

²⁸ Denominator E = E62 + E66 + E65, Denominator F = F62 + F66 + F65, Denominator F = G62 + G66 + G65 και ου το καθ' εξής

²⁹ Denominator = Total intermediate consumption + Consumption of fixed capital + Other net taxes on production

³⁰ $\Gamma_E = \text{Numerator E} / \text{Denominator E}$, $\Gamma_F = \text{Numerator F} / \text{Denominator F}$, $\Gamma_G = \text{Numerator G} / \text{Denominator G}$

³¹ $r = \text{Numerator} / \text{Denominator} = (\text{Compensation of employees} + \text{Operating surplus, net}) / (\text{Total intermediate consumption} + \text{Consumption of fixed capital} + \text{Other net taxes on production})$

$$\mathbf{R} = \begin{pmatrix} (r_E + 1) & 0 & 0 & \dots & 0 \\ 0 & (r_F + 1) & 0 & \dots & 0 \\ 0 & 0 & (r_G + 1) & \dots & 0 \\ \cdot & \cdot & \cdot & \dots & \cdot \\ \cdot & \cdot & \cdot & \dots & \cdot \\ \cdot & \cdot & \cdot & \dots & \cdot \\ 0 & 0 & 0 & \dots & (r_{BK} + 1) \end{pmatrix}$$

Έτσι δημιουργούμε την διαγώνια μήτρα $-\mathbf{R}$ (59 x59) (σελίδα 61)

Table : Siot M2

διαγώνια μήτρα – R και διάνυσμα

5.3 Εισαγωγή Δεδομένων 1^ο Μοντέλου Στο Mathematica

Αφού εξηγήσαμε πως προήρθαν τα δεδομένα του 2^ο μοντέλου (μήτρα Dom – Imp – B – F – R), τώρα θα εισάγουμε τα δεδομένα αυτά στο mathematica. Τα δεδομένα που εισάγουμε μπορεί κάποιος να τα βρει πίσω στο Α.2 Παράρτημα (σελίδα 171). Συγκεκριμένα εκεί περιέχονται τα εξής :

- Εισαγωγή μήτρας εγχώριας παραγωγής M2 – Dom
- Εισαγωγή μήτρας εισαγωγών M2 – Imp
- Εισαγωγή διαγώνιας μήτρας – B
- Εισαγωγή διαγώνιας μήτρας – F
- Εισαγωγή διαγώνιας μήτρας – R
- Εισαγωγή διανύσματος γραμμή τιμής – P₀

αποτελέσματα καλύτερα αντιληπτά από τον αναγνώστη έχουν μεταφερθεί σε πίνακα που ακολουθούν στην επόμενη ενότητα (5.5.2 ενότητα).

Ο πίνακας αυτός μας δείχνει :

α) τις επιδράσεις των τιμών των εμπορευμάτων ανά κλάδο για τις πρώτες 20 επαναλήψεις (που είναι και μεγαλύτερες)

β) σε πια επανάληψη σταματάνε οι επιδράσεις της υποτίμησης (τελευταία σειρά)

και

γ) τη τιμή που έχουν τα εμπορεύματα μετά το πέρας της επίδρασης της υποτίμησης του νομίσματος κατά 15 % (τελευταία σειρά)

5.5.2 Αποτελέσματα 2^{ου} μοντέλου σε πίνακα για υποτίμηση 15%

Πίνακας αποτελεσμάτων 2 ^{ου} μοντέλου με υποτίμηση του νομίσματος κατά 15%											
	PRODUCTS (CPA)	Products of agriculture, hunting & related services	Products of forestry, logging & related services	Fish and other fishing products; services incidental of fishing	Coal and lignite; peat	Crude petroleum and natural gas; services incidental to oil and gas ...	Uranium and thorium ores	Metal ores	Other mining and quarrying products	Food products and beverages	Tobacco products
	Τιμή	E	F	G	H	I	J	K	L	M	N
Μεταβολή της τιμής από την 1 ^η επανάληψη έως την 20 ^η	P ₁	1.02163	1.00088	1.02104	1.02384	1.03327	0.0	1.02108	1.02291	1.01856	1.01928
	P ₂	1.04627	1.01097	1.0515	1.04818	1.05571	0.0	1.04582	1.05016	1.03834	1.03812
	P ₃	1.06468	1.0245	1.07201	1.06647	1.07314	0.0	1.0647	1.06826	1.057	1.05535
	P ₄	1.07856	1.03869	1.08584	1.08025	1.08557	0.0	1.07807	1.0808	1.07182	1.06928
	P ₅	1.08924	1.05213	1.09574	1.0909	1.09483	0.0	1.08799	1.09029	1.08335	1.08041
	P ₆	1.09768	1.06425	1.10328	1.09932	1.10214	0.0	1.09582	1.09791	1.09249	1.08946
	P ₇	1.10451	1.07491	1.1093	1.10613	1.10815	0.0	1.10231	1.10425	1.09993	1.09698
	P ₈	1.11018	1.08419	1.11429	1.11174	1.11321	0.0	1.10784	1.10965	1.10613	1.10334
	P ₉	1.11497	1.09222	1.11852	1.11645	1.11754	0.0	1.11263	1.1143	1.11137	1.10879
	P ₁₀	1.11908	1.09918	1.12216	1.12045	1.12128	0.0	1.11682	1.11835	1.11588	1.11351
	P ₁₁	1.12263	1.1052	1.12532	1.12389	1.12454	0.0	1.12049	1.12189	1.11978	1.11762
	P ₁₂	1.12572	1.11044	1.12809	1.12687	1.12739	0.0	1.12374	1.12501	1.12319	1.12123
	P ₁₃	1.12844	1.115	1.13052	1.12948	1.1299	0.0	1.12661	1.12775	1.12618	1.12441
	P ₁₄	1.13082	1.11899	1.13267	1.13177	1.13211	0.0	1.12916	1.13019	1.12881	1.12722
	P ₁₅	1.13293	1.12248	1.13457	1.13378	1.13407	0.0	1.13142	1.13234	1.13113	1.12971
	P ₁₆	1.1348	1.12556	1.13625	1.13556	1.1358	0.0	1.13342	1.13426	1.13319	1.13191
	P ₁₇	1.13645	1.12827	1.13774	1.13713	1.13734	0.0	1.13521	1.13596	1.13502	1.13387
	P ₁₈	1.13792	1.13066	1.13907	1.13853	1.13871	0.0	1.13681	1.13747	1.13664	1.13561
	P ₁₉	1.13922	1.13278	1.14025	1.13977	1.13993	0.0	1.13822	1.13882	1.13809	1.13716
	P ₂₀	1.14039	1.13466	1.1413	1.14088	1.14101	0.0	1.13949	1.14002	1.13937	1.13855
	Σταθεροποίηση τιμής	P₈₇ : 1,15	P₉₁ : 1,15	P₈₆ : 1,15	P₈₇ : 1,15	P₈₇ : 1,15		P₈₈ : 1,15	P₈₈ : 1,15	P₈₈ : 1,15	P₈₉ : 1,15

Πίνακας αποτελεσμάτων 2^{ου} μοντέλου με υποτίμηση του νομίσματος κατά 15% (συνέχεια)

	PRODUCTS (CPA)	Textiles	Wearing apparel; furs	Leather and leather products	Wood and products of wood and cork (except furniture);	Pulp, paper and paper products	Printed matter and recorded media	Coke, refined petroleum products & nuclear fuels	Chemicals, chemical products and man-made fibres	Rubber and plastic products	Other non-metallic mineral products
	Τιμή	O	P	Q	R	S	T	U	V	W	X
Μεταβολή της τιμής από την 1 ^η επανάληψη έως την 20 ^η	P₁	1.03776	1.03756	1.03872	1.02967	1.04711	1.03722	1.11004	1.05678	1.04977	1.02238
	P₂	1.0596	1.05746	1.06247	1.04969	1.06889	1.05751	1.12584	1.07778	1.07172	1.04292
	P₃	1.07508	1.07132	1.07766	1.06438	1.08221	1.07111	1.13023	1.09	1.08517	1.06072
	P₄	1.08674	1.08217	1.08862	1.07605	1.09197	1.08162	1.13294	1.0989	1.09499	1.07473
	P₅	1.0958	1.09093	1.09706	1.08562	1.09967	1.0902	1.13508	1.10582	1.10263	1.0856
	P₆	1.10304	1.09819	1.10387	1.09364	1.10597	1.09741	1.13687	1.11144	1.10879	1.09424
	P₇	1.10899	1.10433	1.10951	1.10047	1.11127	1.10358	1.1384	1.11613	1.11389	1.10131
	P₈	1.11398	1.10961	1.11431	1.10633	1.11581	1.10891	1.13973	1.12013	1.11821	1.10724
	P₉	1.11823	1.1142	1.11843	1.11141	1.11973	1.11356	1.14089	1.12358	1.12191	1.11229
	P₁₀	1.1219	1.11821	1.12201	1.11584	1.12314	1.11763	1.1419	1.12659	1.12512	1.11664
	P₁₁	1.12509	1.12174	1.12515	1.11971	1.12614	1.12122	1.1428	1.12921	1.12793	1.12043
	P₁₂	1.12788	1.12485	1.1279	1.12311	1.12878	1.12438	1.14359	1.13152	1.13038	1.12374
	P₁₃	1.13033	1.1276	1.13034	1.1261	1.13111	1.12719	1.14429	1.13356	1.13255	1.12666
	P₁₄	1.1325	1.13004	1.13249	1.12874	1.13317	1.12967	1.14491	1.13536	1.13446	1.12922
	P₁₅	1.13441	1.1322	1.13439	1.13107	1.135	1.13187	1.14546	1.13696	1.13616	1.1315
	P₁₆	1.13611	1.13413	1.13609	1.13314	1.13662	1.13383	1.14595	1.13837	1.13766	1.13351
	P₁₇	1.13761	1.13584	1.13759	1.13497	1.13807	1.13558	1.14639	1.13963	1.139	1.1353
	P₁₈	1.13895	1.13736	1.13893	1.1366	1.13935	1.13713	1.14678	1.14075	1.14019	1.13689
	P₁₉	1.14014	1.13872	1.14012	1.13805	1.1405	1.13852	1.14713	1.14175	1.14124	1.1383
	P₂₀	1.14121	1.13993	1.14118	1.13934	1.14152	1.13975	1.14743	1.14264	1.14219	1.13956
	Σταθεροποίηση τιμής	P₈₇ : 1,15	P₈₈ : 1,15	P₈₇ : 1,15	P₈₈ : 1,15	P₈₆ : 1,15	P₈₈ : 1,15	P₇₆ : 1,15	P₈₅ : 1,15	P₈₆ : 1,15	P₈₈ : 1,15

Πίνακας αποτελεσμάτων 2^{ου} μοντέλου με υποτίμηση του νομίσματος κατά 15% (συνέχεια)

	PRODUCTS (CPA)	Basic metals	Fabricated metal products, except machinery and equipment	Machinery and equipment n.e.c.	Office machinery and computers	Electrical machinery and apparatus n.e.c.	Radio, television and communication equipment and apparatus	Medical, precision and optical instruments, watches and clocks	Motor vehicles, trailers and semi- trailers	Other transport equipment	Furniture; other manufact. goods n.e.c.
	Τιμή	Υ	Z	AA	AB	AC	AD	AE	AF	AG	AH
Μεταβολή της τιμής από την 1 ^η επανάληψη έως την 20 ^η	P ₁	1.0514	1.04604	1.05733	1.03725	1.04951	1.04009	1.05853	1.06444	1.05478	1.03737
	P ₂	1.07792	1.07213	1.07919	1.05848	1.07506	1.06059	1.07945	1.08494	1.07692	1.05819
	P ₃	1.09367	1.08765	1.09142	1.07305	1.09003	1.07452	1.09121	1.09598	1.0899	1.07249
	P ₄	1.10414	1.0981	1.10005	1.08408	1.10015	1.08516	1.09982	1.1039	1.09912	1.08343
	P ₅	1.11166	1.10578	1.10675	1.09281	1.10757	1.09366	1.10658	1.11008	1.10622	1.09215
	P ₆	1.11735	1.11179	1.11221	1.09998	1.11336	1.10065	1.11208	1.11512	1.11194	1.09934
	P ₇	1.12184	1.11667	1.11678	1.10601	1.11804	1.10657	1.11668	1.11934	1.11669	1.10541
	P ₈	1.12549	1.12074	1.12068	1.11117	1.12195	1.11164	1.1206	1.12294	1.12071	1.11061
	P ₉	1.12853	1.12421	1.12405	1.11563	1.12528	1.11603	1.12398	1.12606	1.12415	1.11512
	P ₁₀	1.13111	1.12719	1.12699	1.11952	1.12814	1.11987	1.12693	1.12877	1.12712	1.11906
	P ₁₁	1.13332	1.12978	1.12956	1.12294	1.13063	1.12323	1.12952	1.13115	1.12971	1.12252
	P ₁₂	1.13523	1.13205	1.13182	1.12594	1.1328	1.1262	1.13179	1.13324	1.13198	1.12556
	P ₁₃	1.1369	1.13404	1.13382	1.12858	1.13471	1.12881	1.13379	1.13508	1.13398	1.12825
	P ₁₄	1.13836	1.1358	1.13559	1.13093	1.13639	1.13113	1.13557	1.13672	1.13574	1.13063
	P ₁₅	1.13965	1.13735	1.13716	1.13301	1.13788	1.13318	1.13714	1.13816	1.1373	1.13274
	P ₁₆	1.14078	1.13873	1.13855	1.13485	1.1392	1.13501	1.13853	1.13945	1.13869	1.13461
	P ₁₇	1.14179	1.13995	1.13979	1.13649	1.14037	1.13663	1.13977	1.14059	1.13991	1.13628
	P ₁₈	1.14268	1.14104	1.14089	1.13795	1.14141	1.13807	1.14088	1.14161	1.141	1.13776
	P ₁₉	1.14348	1.142	1.14187	1.13925	1.14234	1.13936	1.14186	1.14251	1.14197	1.13908
	P ₂₀	1.14418	1.14286	1.14274	1.1404	1.14317	1.1405	1.14274	1.14332	1.14284	1.14025
	Σταθεροποίη ση τιμής	P₈₃ : 1,15	P₈₅ : 1,15	P₈₅ : 1,15	P₈₇ : 1,15	P₈₄ : 1,15	P₈₇ : 1,15	P₇₅ : 1,15	P₈₄ : 1,15	P₈₅ : 1,15	P₈₇ : 1,15

Πίνακας αποτελεσμάτων 2^{ου} μοντέλου με υποτίμηση του νομίσματος κατά 15% (συνέχεια)

	PRODUCTS (CPA)	Secondary raw materials	Electrical energy, gas, steam and hot water	Collected and purified water, distribution services of water	Construction work	Trade, maintenance and repair services of motor vehicles & motorcycles; retail sale of automotive fuel	Wholesale trade and commission trade services, except of motor ...	Retail trade services, except of motor vehicles and motorcycles; repair services ...	Hotel and restaurant services	Land transport; transport via pipeline services	Water transport services
	Τιμή	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR
Μεταβολή της τιμής από την 1 ^η επανάληψη έως την 20 ^η	P ₁	1.04798	1.01433	1.02494	1.02759	1.02006	1.02692	1.01822	1.02414	1.0306	1.06755
	P ₂	1.0755	1.0378	1.04863	1.0528	1.03141	1.04857	1.03425	1.04351	1.06358	1.09267
	P ₃	1.09134	1.05759	1.06661	1.06999	1.04317	1.06535	1.04829	1.0597	1.08096	1.10404
	P ₄	1.10179	1.07307	1.08019	1.08256	1.05446	1.07771	1.06016	1.07325	1.09154	1.1112
	P ₅	1.10933	1.08515	1.09068	1.09217	1.06474	1.08734	1.07034	1.08416	1.09926	1.11656
	P ₆	1.11512	1.09467	1.09898	1.09979	1.07396	1.09521	1.07921	1.09296	1.10549	1.12086
	P ₇	1.11975	1.10233	1.10572	1.10605	1.08217	1.10184	1.08702	1.1002	1.11076	1.12445
	P ₈	1.12356	1.10859	1.11129	1.11133	1.08949	1.10752	1.09393	1.10627	1.11529	1.12749
	P ₉	1.12677	1.1138	1.11599	1.11584	1.09601	1.11243	1.10005	1.11144	1.11923	1.13011
	P ₁₀	1.12951	1.11819	1.12	1.11975	1.10182	1.11671	1.10548	1.1159	1.12268	1.13239
	P ₁₁	1.13187	1.12195	1.12346	1.12316	1.10699	1.12045	1.1103	1.11978	1.12571	1.13437
	P ₁₂	1.13393	1.12519	1.12647	1.12615	1.1116	1.12374	1.1146	1.12317	1.12839	1.13611
	P ₁₃	1.13573	1.12801	1.12911	1.12878	1.11572	1.12664	1.11841	1.12615	1.13076	1.13765
	P ₁₄	1.13731	1.13048	1.13142	1.13111	1.11939	1.12921	1.12182	1.12877	1.13286	1.139
	P ₁₅	1.13871	1.13265	1.13347	1.13317	1.12267	1.13148	1.12485	1.1311	1.13472	1.1402
	P ₁₆	1.13994	1.13456	1.13527	1.135	1.12559	1.13349	1.12755	1.13316	1.13637	1.14127
	P ₁₇	1.14104	1.13625	1.13688	1.13662	1.12821	1.13528	1.12996	1.13498	1.13784	1.14221
	P ₁₈	1.14201	1.13775	1.1383	1.13807	1.13054	1.13687	1.13211	1.13661	1.13915	1.14305
	P ₁₉	1.14287	1.13908	1.13956	1.13935	1.13262	1.13829	1.13403	1.13805	1.14032	1.1438
	P ₂₀	1.14364	1.14026	1.14069	1.1405	1.13448	1.13955	1.13574	1.13934	1.14136	1.14447
	Σταθεροποίηση τιμής	P₈₄ : 1,15	P₈₇ : 1,15	P₈₇ : 1,15	P₈₇ : 1,15	P₉₂ : 1,15	P₈₈ : 1,15	P₉₁ : 1,15	P₈₈ : 1,15	P₈₆ : 1,15	P₈₂ : 1,15

Πίνακας αποτελεσμάτων 2^{ου} μοντέλου με υποτίμηση του νομίσματος κατά 15% (συνέχεια)

	PRODUCTS (CPA)	Air transport services	Supporting and auxiliary transport services; travel ...	Post and telecommunication services	Financial intermediat. services, except insurance & pension ...	Insurance and pension funding services, except compulsory ...	Activities auxiliary to financial intermediat.	Real estate services	Renting services of machinery & equipment without operator & of p & h goods	Computer and related services
	Τιμή	AS	AT	AU	AV	AW	AX	AY	AZ	BA
Μεταβολή της τιμής από την 1 ^η επανάληψη έως την 20 ^η	P ₁	1.03574	1.03331	1.01411	1.00867	1.01032	1.01051	1.00224	1.01579	1.01598
	P ₂	1.06329	1.05644	1.02897	1.0233	1.02354	1.0239	1.00837	1.03164	1.03125
	P ₃	1.07796	1.07219	1.04277	1.03846	1.03732	1.0376	1.01729	1.04513	1.04509
	P ₄	1.08793	1.0836	1.05526	1.05206	1.05017	1.0504	1.0274	1.05694	1.05733
	P ₅	1.09584	1.09253	1.06636	1.06388	1.06172	1.06191	1.03779	1.06735	1.06806
	P ₆	1.10244	1.09982	1.07614	1.07411	1.07192	1.07207	1.04795	1.07653	1.07746
	P ₇	1.10806	1.10593	1.08472	1.08298	1.08086	1.08098	1.0576	1.08465	1.08569
	P ₈	1.11291	1.11115	1.09223	1.0907	1.0887	1.08879	1.0666	1.09182	1.09293
	P ₉	1.11712	1.11564	1.09882	1.09745	1.09558	1.09565	1.0749	1.09818	1.09929
	P ₁₀	1.12081	1.11955	1.10461	1.10336	1.10164	1.10169	1.0825	1.10382	1.10491
	P ₁₁	1.12405	1.12296	1.10969	1.10856	1.10698	1.10702	1.08941	1.10883	1.10987
	P ₁₂	1.12691	1.12596	1.11417	1.11314	1.1117	1.11174	1.09568	1.11328	1.11426
	P ₁₃	1.12944	1.12861	1.11813	1.11719	1.11588	1.11591	1.10133	1.11724	1.11816
	P ₁₄	1.13168	1.13095	1.12163	1.12078	1.1196	1.11962	1.10643	1.12077	1.12162
	P ₁₅	1.13367	1.13303	1.12473	1.12396	1.12289	1.12291	1.11101	1.12392	1.12469
	P ₁₆	1.13544	1.13487	1.12748	1.12679	1.12582	1.12584	1.11512	1.12672	1.12743
	P ₁₇	1.13701	1.13651	1.12993	1.1293	1.12843	1.12845	1.11881	1.12922	1.12986
	P ₁₈	1.13841	1.13796	1.1321	1.13153	1.13076	1.13077	1.12212	1.13144	1.13203
	P ₁₉	1.13966	1.13926	1.13403	1.13352	1.13283	1.13284	1.12508	1.13343	1.13396
	P ₂₀	1.14077	1.14042	1.13575	1.13529	1.13467	1.13468	1.12773	1.13521	1.13568
	Σταθεροποίηση τιμής	P₈₇ : 1,15	P₈₇ : 1,15	P₉₁ : 1,15	P₉₁ : 1,15	P₉₁ : 1,15	P₉₁ : 1,15	P₉₅ : 1,15	P₉₁ : 1,15	P₉₁ : 1,15

Πίνακας αποτελεσμάτων 2^{ου} μοντέλου με υποτίμηση του νομίσματος κατά 15% (συνέχεια)

	PRODUCTS (CPA)	Research and development services	Other business services	Public administrat. and defence services; compulsory ...	Education services	Health and social work services	Sewage and refuse disposal services, sanitation ...	Membership organisation services n.e.c.	Recreational, cultural and sporting services	Other services	Private households with employed persons
	Τιμή	BB	BC	BD	BE	BF	BG	BH	BI	BJ	BK
Μεταβολή της τιμής από την 1 ^η επανάληψη έως την 20 ^η	P ₁	1.0118	1.01409	1.02925	1.00316	1.04993	1.03477	1.00945	1.01565	1.02231	0.0
	P ₂	1.0262	1.02954	1.05063	1.01889	1.07403	1.0617	1.02251	1.03094	1.04052	0.0
	P ₃	1.04076	1.04367	1.06659	1.03644	1.08722	1.07748	1.03547	1.04514	1.05601	0.0
	P ₄	1.05409	1.05616	1.07881	1.05197	1.09643	1.08828	1.04744	1.05775	1.06884	0.0
	P ₅	1.06584	1.0671	1.08848	1.06505	1.10359	1.09653	1.05829	1.06875	1.07951	0.0
	P ₆	1.07605	1.07666	1.09636	1.07604	1.10942	1.10322	1.06805	1.07829	1.08842	0.0
	P ₇	1.08488	1.08502	1.10295	1.08535	1.11431	1.10883	1.0768	1.08657	1.09591	0.0
	P ₈	1.09253	1.09235	1.10854	1.09329	1.11849	1.11362	1.08462	1.0938	1.10229	0.0
	P ₉	1.09917	1.09879	1.11336	1.1001	1.12211	1.11776	1.09161	1.10012	1.10779	0.0
	P ₁₀	1.10497	1.10447	1.11753	1.10599	1.12526	1.12138	1.09785	1.10568	1.11257	0.0
	P ₁₁	1.11005	1.10948	1.12119	1.1111	1.12802	1.12455	1.10343	1.11058	1.11675	0.0
	P ₁₂	1.11451	1.11392	1.12439	1.11556	1.13045	1.12735	1.10841	1.1149	1.12043	0.0
	P ₁₃	1.11844	1.11785	1.12722	1.11946	1.1326	1.12983	1.11286	1.11874	1.12367	0.0
	P ₁₄	1.12191	1.12135	1.12972	1.12288	1.1345	1.13202	1.11683	1.12214	1.12655	0.0
	P ₁₅	1.12498	1.12445	1.13193	1.1259	1.13619	1.13397	1.12038	1.12516	1.1291	0.0
	P ₁₆	1.12771	1.12721	1.13389	1.12856	1.13769	1.1357	1.12354	1.12784	1.13136	0.0
	P ₁₇	1.13012	1.12967	1.13564	1.13091	1.13902	1.13724	1.12637	1.13023	1.13337	0.0
	P ₁₈	1.13227	1.13185	1.13719	1.133	1.1402	1.13862	1.1289	1.13236	1.13517	0.0
	P ₁₉	1.13419	1.1338	1.13857	1.13484	1.14126	1.13984	1.13116	1.13426	1.13676	0.0
	P ₂₀	1.13589	1.13554	1.1398	1.13649	1.1422	1.14093	1.13317	1.13595	1.13819	0.0
	Σταθεροποίηση τιμής	P₉₁ : 1,15	P₉₁ : 1,15	P₈₈ : 1,15	P₉₀ : 1,15	P₈₅ : 1,15	P₈₇ : 1,15	P₉₂ : 1,15	P₉₁ : 1,15	P₈₉ : 1,15	

κλάδο³⁵ που είναι και το ζητούμενό μας. Τέλος, για να είναι τα αποτελέσματα καλύτερα αντιληπτά από τον αναγνώστη έχουν μεταφερθεί σε πίνακα που ακολουθούν στην επόμενη ενότητα (5.6.2 ενότητα).

Ο πίνακας αυτός μας δείχνει :

α) τις επιδράσεις των τιμών των εμπορευμάτων ανά κλάδο για τις πρώτες 20 επαναλήψεις (που είναι και μεγαλύτερες)

β) σε πια επανάληψη σταματάνε οι επιδράσεις της υποτίμησης (τελευταία σειρά)

και

γ) τη τιμή που έχουν τα εμπορεύματα μετά το πέρας της επίδρασης της υποτίμησης του νομίσματος κατά 50 %(τελευταία σειρά)

³⁵ Βλέπε αναλυτικά τα 120 διανύσματα γραμμής των τιμών των εμπορευμάτων στο Β.2.β Παράρτημα σελίδα 252

5.6.2 Αποτελέσματα 2^{ου} μοντέλου σε πίνακα για υποτίμηση 50%

Πίνακας αποτελεσμάτων 2 ^{ου} μοντέλου με υποτίμηση του νομίσματος κατά 50%											
	PRODUCTS (CPA)	Products of agriculture , hunting & related services	Products of forestry, logging & related services	Fish and other fishing products; services incidental of fishing	Coal and lignite; peat	Crude petroleum and natural gas; services incidental to oil and gas ...	Uranium and thorium ores	Metal ores	Other mining and quarrying products	Food products and beverages	Tobacco products
	Τιμή	E	F	G	H	I	J	K	L	M	N
Μεταβολή της τιμής από την 1 ^η επανάληψη έως την 20 ^η	P ₁	1.07211	1.00294	1.07014	1.07948	1.1109	0.0	1.07027	1.07635	1.06186	1.06425
	P ₂	1.15422	1.03656	1.17167	1.16059	1.18569	0.0	1.15275	1.1672	1.1278	1.12706
	P ₃	1.2156	1.08167	1.24004	1.22157	1.24378	0.0	1.21568	1.22753	1.19001	1.18451
	P ₄	1.26186	1.12898	1.28614	1.26751	1.28524	0.0	1.26023	1.26935	1.23939	1.23093
	P ₅	1.29747	1.17378	1.31914	1.30301	1.3161	0.0	1.29328	1.30096	1.27782	1.26803
	P ₆	1.32558	1.21417	1.34427	1.33108	1.34047	0.0	1.31941	1.32636	1.30831	1.29821
	P ₇	1.34837	1.24971	1.36435	1.35376	1.3605	0.0	1.34104	1.34751	1.33311	1.32327
	P ₈	1.36728	1.28063	1.38098	1.37246	1.37738	0.0	1.35948	1.3655	1.35376	1.34446
	P ₉	1.38325	1.30741	1.39507	1.38815	1.39181	0.0	1.37544	1.38101	1.37125	1.36262
	P ₁₀	1.39693	1.33059	1.4072	1.40149	1.40428	0.0	1.38939	1.3945	1.38626	1.37835
	P ₁₁	1.40876	1.35067	1.41774	1.41297	1.41513	0.0	1.40165	1.40631	1.39927	1.39207
	P ₁₂	1.41908	1.36812	1.42696	1.42291	1.42463	0.0	1.41247	1.41669	1.41062	1.4041
	P ₁₃	1.42812	1.38333	1.43507	1.4316	1.43299	0.0	1.42204	1.42585	1.42058	1.4147
	P ₁₄	1.43608	1.39662	1.44223	1.43922	1.44036	0.0	1.43052	1.43396	1.42936	1.42406
	P ₁₅	1.4431	1.40827	1.44855	1.44593	1.44688	0.0	1.43805	1.44114	1.43711	1.43235
	P ₁₆	1.44932	1.41852	1.45416	1.45186	1.45267	0.0	1.44475	1.44752	1.44397	1.4397
	P ₁₇	1.45483	1.42755	1.45913	1.45711	1.4578	0.0	1.45071	1.45319	1.45006	1.44624
	P ₁₈	1.45973	1.43553	1.46356	1.46177	1.46236	0.0	1.45602	1.45824	1.45547	1.45205
	P ₁₉	1.46408	1.4426	1.46749	1.46591	1.46642	0.0	1.46075	1.46274	1.46028	1.45722
	P ₂₀	1.46796	1.44886	1.471	1.46959	1.47004	0.0	1.46496	1.46674	1.46457	1.46182
	Σταθεροποίηση τιμής	P₉₈ : 1,5	P₁₀₁ : 1,5	P₉₇ : 1,5	P₉₈ : 1,5	P₉₇ : 1,5		P₉₉ : 1,5	P₉₈ : 1,5	P₉₉ : 1,5	P₁₀₀ : 1,5

Πίνακας αποτελεσμάτων 2^{ου} μοντέλου με υποτίμηση του νομίσματος κατά 50% (συνέχεια)

	PRODUCTS (CPA)	Textiles	Wearing apparel; furs	Leather and leather products	Wood and products of wood and cork (except furniture);	Pulp, paper and paper products	Printed matter and recorded media	Coke, refined petroleum products & nuclear fuels	Chemicals, chemical products and man-made fibres	Rubber and plastic products	Other non-metallic mineral products
	Τιμή	O	P	Q	R	S	T	U	V	W	X
Μεταβολή της τιμής από την 1 ^η επανάληψη έως την 20 ^η	P₁	1.12587	1.1252	1.12908	1.09888	1.15705	1.12406	1.36681	1.18928	1.1659	1.07461
	P₂	1.19866	1.19153	1.20824	1.16564	1.22964	1.19169	1.41946	1.25927	1.23907	1.14307
	P₃	1.25026	1.23772	1.25886	1.2146	1.27402	1.23703	1.43411	1.30001	1.28388	1.20241
	P₄	1.28915	1.27388	1.29539	1.2535	1.30657	1.27206	1.44312	1.32965	1.31664	1.24908
	P₅	1.31934	1.3031	1.32355	1.28541	1.33223	1.30067	1.45025	1.35274	1.3421	1.28532
	P₆	1.34348	1.3273	1.34622	1.31215	1.35325	1.32471	1.45622	1.37146	1.36262	1.31413
	P₇	1.3633	1.34778	1.36505	1.33489	1.37091	1.34526	1.46133	1.38711	1.37963	1.33771
	P₈	1.37993	1.36538	1.38102	1.35444	1.38602	1.36304	1.46575	1.40044	1.39402	1.35747
	P₉	1.3941	1.38067	1.39476	1.37138	1.39908	1.37853	1.46962	1.41194	1.40637	1.3743
	P₁₀	1.40633	1.39404	1.40671	1.38613	1.41048	1.39211	1.47301	1.42195	1.41708	1.38882
	P₁₁	1.41696	1.40579	1.41716	1.39903	1.42046	1.40406	1.476	1.43071	1.42642	1.40144
	P₁₂	1.42626	1.41615	1.42635	1.41035	1.42925	1.41462	1.47863	1.43841	1.43461	1.41248
	P₁₃	1.43444	1.42532	1.43445	1.42032	1.43702	1.42395	1.48097	1.4452	1.44183	1.42219
	P₁₄	1.44165	1.43345	1.44162	1.42912	1.4439	1.43223	1.48304	1.4512	1.44821	1.43075
	P₁₅	1.44803	1.44067	1.44798	1.4369	1.44999	1.43958	1.48488	1.45652	1.45386	1.43832
	P₁₆	1.45369	1.44709	1.45362	1.44379	1.45541	1.44611	1.48651	1.46125	1.45888	1.44504
	P₁₇	1.45871	1.45279	1.45864	1.44991	1.46023	1.45193	1.48797	1.46544	1.46333	1.451
	P₁₈	1.46318	1.45788	1.4631	1.45534	1.46452	1.45711	1.48926	1.46917	1.46729	1.4563
	P₁₉	1.46715	1.46241	1.46708	1.46017	1.46833	1.46172	1.49042	1.47249	1.47081	1.46101
	P₂₀	1.47069	1.46645	1.47062	1.46446	1.47174	1.46583	1.49145	1.47545	1.47395	1.46521
	Σταθεροποίηση τιμής	P₉₇ : 1,5	P₉₈ : 1,5	P₉₇ : 1,5	P₉₉ : 1,5	P₉₇ : 1,5	P₉₉ : 1,5	P₈₆ : 1,5	P₉₆ : 1,5	P₉₆ : 1,5	P₉₉ : 1,5

Πίνακας αποτελεσμάτων 2^{ου} μοντέλου με υποτίμηση του νομίσματος κατά 50% (συνέχεια)

	PRODUCTS (CPA)	Basic metals	Fabricated metal products, except machinery and equipment	Machinery and equipment n.e.c.	Office machinery and computers	Electrical machinery and apparatus n.e.c.	Radio, television and communication equipment and apparatus	Medical, precision and optical instruments, watches and clocks	Motor vehicles, trailers and semi- trailers	Other transport equipment	Furniture; other manufact. goods n.e.c.
	Τιμή	Υ	Z	AA	AB	AC	AD	AE	AF	AG	AH
Μεταβολή της τιμής από την 1 ^η επανάληψη έως την 20 ^η	P ₁	1.17134	1.15347	1.19111	1.12415	1.16503	1.13363	1.19511	1.21482	1.1826	1.12457
	P ₂	1.25972	1.24045	1.26397	1.19495	1.25018	1.20195	1.26484	1.28314	1.25639	1.19396
	P ₃	1.31222	1.29217	1.30474	1.2435	1.30011	1.2484	1.30402	1.31993	1.29967	1.24164
	P ₄	1.34714	1.32698	1.33351	1.28026	1.33382	1.28388	1.33273	1.34633	1.33039	1.27809
	P ₅	1.37219	1.3526	1.35584	1.30938	1.35858	1.31219	1.35526	1.36694	1.35406	1.30718
	P ₆	1.39116	1.37262	1.37402	1.33327	1.37785	1.33552	1.37359	1.38372	1.37315	1.33114
	P ₇	1.40613	1.38889	1.38926	1.35336	1.39348	1.35522	1.38892	1.39779	1.38898	1.35136
	P ₈	1.41831	1.40247	1.40227	1.37056	1.40652	1.37212	1.40199	1.4098	1.40236	1.36871
	P ₉	1.42845	1.41402	1.41351	1.38544	1.4176	1.38677	1.41328	1.42019	1.41383	1.38375
	P ₁₀	1.43704	1.42396	1.42329	1.39841	1.42713	1.39956	1.42311	1.42924	1.42374	1.39688
	P ₁₁	1.4444	1.4326	1.43186	1.40978	1.43542	1.41078	1.43172	1.43716	1.43238	1.4084
	P ₁₂	1.45077	1.44016	1.43941	1.41979	1.44266	1.42066	1.43929	1.44413	1.43995	1.41854
	P ₁₃	1.45633	1.44679	1.44607	1.42862	1.44903	1.42938	1.44597	1.45028	1.44661	1.4275
	P ₁₄	1.4612	1.45265	1.45196	1.43643	1.45464	1.4371	1.45189	1.45572	1.45248	1.43543
	P ₁₅	1.46549	1.45783	1.45719	1.44335	1.45961	1.44395	1.45713	1.46055	1.45768	1.44247
	P ₁₆	1.46928	1.46242	1.46183	1.4495	1.46401	1.45003	1.46178	1.46483	1.46229	1.44871
	P ₁₇	1.47263	1.4665	1.46595	1.45496	1.46791	1.45543	1.46591	1.46863	1.46638	1.45426
	P ₁₈	1.47561	1.47012	1.46963	1.45982	1.47138	1.46024	1.46959	1.47202	1.47001	1.4592
	P ₁₉	1.47825	1.47334	1.4729	1.46415	1.47447	1.46452	1.47287	1.47503	1.47325	1.46359
	P ₂₀	1.4806	1.47621	1.47581	1.46801	1.47722	1.46834	1.47579	1.47772	1.47613	1.46751
	Σταθεροποίηση τιμής	P₉₄ : 1,5	P₉₅ : 1,5	P₉₆ : 1,5	P₉₈ : 1,5	P₉₅ : 1,5	P₉₈ : 1,5	P₉₅ : 1,5	P₉₅ : 1,5	P₉₅ : 1,5	P₉₈ : 1,5

Πίνακας αποτελεσμάτων 2^{ου} μοντέλου με υποτίμηση του νομίσματος κατά 50% (συνέχεια)

	PRODUCTS (CPA)	Secondary raw materials	Electrical energy, gas, steam and hot water	Collected and purified water, distribution services of water	Construction work	Trade, maintenance and repair services of motor vehicles & motorcycles; retail sale of automotive fuel	Wholesale trade and commission trade services, except of motor ...	Retail trade services, except of motor vehicles and motorcycles; repair services ...	Hotel and restaurant services	Land transport; transport via pipeline services	Water transport services
	Τιμή	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR
Μεταβολή της τιμής από την 1 ^η επανάληψη έως την 20 ^η	P ₁	1.15992	1.04778	1.08313	1.09198	1.06685	1.08972	1.06075	1.08046	1.102	1.22517
	P ₂	1.25166	1.126	1.16212	1.17599	1.1047	1.16188	1.11417	1.14502	1.21194	1.30892
	P ₃	1.30448	1.19195	1.22203	1.23331	1.1439	1.21784	1.16096	1.199	1.26986	1.3468
	P ₄	1.33929	1.24358	1.2673	1.27521	1.18153	1.25904	1.20053	1.24418	1.30512	1.37067
	P ₅	1.36444	1.28382	1.30226	1.30722	1.21581	1.29112	1.23446	1.28053	1.33086	1.38852
	P ₆	1.38373	1.31558	1.32994	1.33264	1.24652	1.31737	1.26405	1.30986	1.35165	1.40288
	P ₇	1.39916	1.34109	1.35239	1.35352	1.27392	1.33948	1.29008	1.33399	1.36919	1.41483
	P ₈	1.41187	1.36196	1.37098	1.37109	1.29831	1.35841	1.3131	1.35423	1.38429	1.42498
	P ₉	1.42257	1.37932	1.38664	1.38613	1.32004	1.37478	1.33349	1.37147	1.39743	1.43371
	P ₁₀	1.4317	1.39398	1.40001	1.39915	1.33939	1.38903	1.3516	1.38633	1.40893	1.44128
	P ₁₁	1.43958	1.40651	1.41155	1.41052	1.35663	1.40151	1.36768	1.39925	1.41905	1.4479
	P ₁₂	1.44644	1.41732	1.42158	1.42049	1.37201	1.41247	1.38198	1.41055	1.42797	1.4537
	P ₁₃	1.45244	1.42671	1.43036	1.42927	1.38573	1.42214	1.39471	1.42049	1.43586	1.45882
	P ₁₄	1.45771	1.43493	1.43808	1.43702	1.39797	1.43069	1.40605	1.42924	1.44285	1.46334
	P ₁₅	1.46236	1.44216	1.44489	1.44389	1.40889	1.43825	1.41616	1.43699	1.44906	1.46734
	P ₁₆	1.46648	1.44853	1.45091	1.44999	1.41865	1.44497	1.42516	1.44386	1.45457	1.47089
	P ₁₇	1.47013	1.45416	1.45625	1.45541	1.42735	1.45093	1.43319	1.44995	1.45948	1.47404
	P ₁₈	1.47337	1.45915	1.46099	1.46022	1.43512	1.45623	1.44036	1.45537	1.46384	1.47685
	P ₁₉	1.47625	1.46359	1.46521	1.46451	1.44206	1.46095	1.44675	1.46018	1.46773	1.47935
	P ₂₀	1.47881	1.46752	1.46896	1.46833	1.44826	1.46516	1.45246	1.46447	1.4712	1.48157
	Σταθεροποίηση τιμής	P₉₄ : 1.5	P₉₈ : 1.5	P₉₈ : 1.5	P₉₈ : 1.5	P₁₀₂ : 1.5	P₉₉ : 1.5	P₁₀₁ : 1.5	P₉₉ : 1.5	P₉₇ : 1.5	P₉₃ : 1.5

Πίνακας αποτελεσμάτων 2^{ου} μοντέλου με υποτίμηση του νομίσματος κατά 50% (συνέχεια)

	PRODUCTS (CPA)	Air transport services	Supporting and auxiliary transport services; travel ...	Post and telecommunication services	Financial intermediat. services, except insurance & pension ...	Insurance and pension funding services, except compulsory ...	Activities auxiliary to financial intermediat.	Real estate services	Renting services of machinery & equipment without operator & of p & h goods	Computer and related services
	Τιμή	AS	AT	AU	AV	AW	AX	AY	AZ	BA
Μεταβολή της τιμής από την 1 ^η επανάληψη έως την 20 ^η	P ₁	1.11914	1.11105	1.04703	1.02891	1.03439	1.03504	1.00746	1.05264	1.05327
	P ₂	1.21098	1.18814	1.09656	1.07766	1.07848	1.07968	1.0279	1.10547	1.10418
	P ₃	1.25986	1.24063	1.14258	1.1282	1.1244	1.12534	1.05763	1.15042	1.15028
	P ₄	1.2931	1.27868	1.18419	1.17352	1.16723	1.168	1.09132	1.18979	1.19109
	P ₅	1.31946	1.30842	1.2212	1.21293	1.20573	1.20637	1.12595	1.22449	1.22687
	P ₆	1.34146	1.33273	1.2538	1.24704	1.23972	1.24024	1.15982	1.25511	1.25819
	P ₇	1.36019	1.35312	1.28239	1.27661	1.26954	1.26993	1.19198	1.28216	1.28564
	P ₈	1.37635	1.37049	1.30744	1.30235	1.29567	1.29597	1.222	1.30608	1.30975
	P ₉	1.3904	1.38546	1.32941	1.32483	1.3186	1.31883	1.24968	1.32727	1.33098
	P ₁₀	1.40269	1.39848	1.34868	1.34453	1.33879	1.33896	1.27501	1.34607	1.34969
	P ₁₁	1.4135	1.40987	1.36564	1.36186	1.35659	1.35673	1.29805	1.36276	1.36624
	P ₁₂	1.42303	1.41988	1.38058	1.37714	1.37234	1.37245	1.31892	1.3776	1.38088
	P ₁₃	1.43146	1.42871	1.39377	1.39064	1.38628	1.38638	1.33777	1.39081	1.39387
	P ₁₄	1.43893	1.43651	1.40544	1.4026	1.39865	1.39873	1.35476	1.40257	1.4054
	P ₁₅	1.44556	1.44343	1.41578	1.4132	1.40964	1.40971	1.37003	1.41305	1.41564
	P ₁₆	1.45145	1.44957	1.42495	1.42262	1.41941	1.41947	1.38374	1.42239	1.42476
	P ₁₇	1.45669	1.45503	1.43309	1.43099	1.42811	1.42816	1.39604	1.43072	1.43287
	P ₁₈	1.46136	1.45988	1.44033	1.43844	1.43585	1.43589	1.40706	1.43815	1.4401
	P ₁₉	1.46552	1.4642	1.44677	1.44507	1.44275	1.44279	1.41693	1.44478	1.44654
	P ₂₀	1.46922	1.46805	1.45251	1.45098	1.4489	1.44893	1.42577	1.45069	1.45228
	Σταθεροποίηση τιμής	P₉₈ : 1.5	P₉₈ : 1.5	P₉₉ : 1.5	P₁₀₂ : 1.5	P₁₀₂ : 1.5	P₁₀₂ : 1.5	P₁₀₅ : 1.5	P₁₀₂ : 1.5	P₁₀₂ : 1.5

Πίνακας αποτελεσμάτων 2^{ου} μοντέλου με υποτίμηση του νομίσματος κατά 50% (συνέχεια)

	PRODUCTS (CPA)	Research and development services	Other business services	Public administrat. and defence services; compulsory ...	Education services	Health and social work services	Sewage and refuse disposal services, sanitation ...	Membership organisation services n.e.c.	Recreational, cultural and sporting services	Other services	Private households with employed persons
	Τιμή	BB	BC	BD	BE	BF	BG	BH	BI	BJ	BK
Μεταβολή της τιμής από την 1 ^η επανάληψη έως την 20 ^η	P₁	1.03932	1.04697	1.0975	1.01055	1.16643	1.1159	1.03149	1.05216	1.07437	0.0
	P₂	1.08733	1.09847	1.16875	1.06297	1.24678	1.20567	1.07502	1.10313	1.13507	0.0
	P₃	1.13586	1.14556	1.22198	1.12147	1.29072	1.25828	1.11824	1.15047	1.1867	0.0
	P₄	1.1803	1.18718	1.2627	1.17322	1.32145	1.29426	1.15814	1.1925	1.22945	0.0
	P₅	1.21946	1.22365	1.29493	1.21683	1.34531	1.32177	1.19431	1.22915	1.26504	0.0
	P₆	1.25348	1.25553	1.32122	1.25348	1.36475	1.34407	1.22685	1.26095	1.29473	0.0
	P₇	1.28292	1.28341	1.34316	1.2845	1.38104	1.36276	1.25599	1.28858	1.3197	0.0
	P₈	1.30842	1.30784	1.36181	1.31096	1.39497	1.37872	1.28206	1.31266	1.34097	0.0
	P₉	1.33058	1.32931	1.37785	1.33368	1.40702	1.39254	1.30536	1.33374	1.35929	0.0
	P₁₀	1.34991	1.34824	1.39178	1.35331	1.41752	1.4046	1.32617	1.35226	1.37522	0.0
	P₁₁	1.36683	1.36495	1.40395	1.37035	1.42673	1.41518	1.34476	1.36859	1.38916	0.0
	P₁₂	1.3817	1.37974	1.41464	1.3852	1.43484	1.42451	1.36136	1.38301	1.40142	0.0
	P₁₃	1.39479	1.39285	1.42406	1.3982	1.442	1.43276	1.37619	1.39579	1.41225	0.0
	P₁₄	1.40636	1.40448	1.43239	1.40961	1.44834	1.44008	1.38943	1.40712	1.42183	0.0
	P₁₅	1.4166	1.41483	1.43976	1.41966	1.45396	1.44657	1.40125	1.41719	1.43032	0.0
	P₁₆	1.42569	1.42403	1.44631	1.42853	1.45895	1.45234	1.41181	1.42614	1.43787	0.0
	P₁₇	1.43375	1.43222	1.45212	1.43637	1.46339	1.45748	1.42124	1.4341	1.44458	0.0
	P₁₈	1.44092	1.43951	1.45729	1.44332	1.46734	1.46206	1.42967	1.4412	1.45056	0.0
	P₁₉	1.44729	1.44601	1.4619	1.44948	1.47086	1.46614	1.43719	1.44752	1.45588	0.0
	P₂₀	1.45297	1.45181	1.466	1.45496	1.47399	1.46977	1.4439	1.45316	1.46062	0.0
	Σταθεροποίηση τιμής	P₁₀₁ : 1,5	P₁₀₂ : 1,5	P₉₉ : 1,5	P₁₀₁ : 1,5	P₉₆ : 1,5	P₉₇ : 1,5	P₁₀₃ : 1,5	P₁₀₁ : 1,5	P₁₀₀ : 1,5	

5.7 Δείκτες Συνολικού Πληθωρισμού Για Ποσοστό Υποτίμησης, 15% Και 50%

Στο σημείο αυτό για να έχουμε μία καλύτερη εικόνα του πληθωριστικού κύματος που δημιουργείται στο δεύτερο μοντέλο λόγω της υποτίμησης του νομίσματος υπολογίζουμε τους δείκτες συνολικού πληθωρισμού (ΣΣΔΠ)³⁶ για τα ποσοστά υποτίμησης 15% και 50%. Για να υπολογίσουμε τους δείκτες συνολικού πληθωρισμού πρέπει να κάνουμε αρχικά τους εξής υπολογισμούς:

1^{ον} πολλαπλασιάζουμε την τιμή P κάθε κλάδου της οικονομίας με την εγχώρια παραγωγή κάθε κλάδου (έχουμε 59 τιμές και 59 κλάδους άρα θα υπολογίσουμε 59 γινόμενα ένα για κάθε κλάδο).

Όπου : P οι τιμές P_1, P_2, P_3, P_4, P_5 που βρήκαμε στην ενότητα 5.5.2 και 5.6.2 και $P_0 = 1$ ³⁷.

2^{ον} προσθέτουμε τα 59 γινόμενα που υπολογίσαμε και βρίσκουμε τη αξία συνολικής παραγωγής για τις χρονικές περιόδους 0,1,2,3,4 και 5 αντίστοιχα με τα $P_0, P_1, P_2, P_3, P_4, P_5$.

Τώρα είμαστε έτοιμοι να υπολογίσουμε τους δείκτες συνολικού πληθωρισμού για ποσοστό υποτίμησης 15% και 50%.

³⁶ Θα υπολογίσουμε πέντε δείκτες πληθωρισμού που αντιστοιχούν σε πέντε έτη και αυτό γιατί πέρα από τα πέντε χρόνια πρακτικά οι δείκτες δεν έχουν νόημα. (Μετά από πέντε έτη θα έχουμε τεχνολογικές μεταβολές, μεταβολές στην κατανομή του εισοδήματος, υποκαταστάσεις εισαγωγών-εξαγωγών κ.λπ., οπότε το υπόδειγμα χάνει την όποια αξιοπιστία του).

³⁷ $P_0 = 1$ επειδή έχουμε θεωρήσει ως φυσική μονάδα μέτρησης κάθε εμπορεύματος εκείνη την ποσότητά του, της οποίας η αγοραία αξία (η τιμή αγοράς) ισούται με 1 νομισματική μονάδα.

4.7.1 Δείκτες συνολικού πληθωρισμού για ποσοστό υποτίμησης 15%

Μετά από τους υπολογισμούς (βλέπε αναλυτικά στη σελίδα 83) που έγιναν σύμφωνα με την ενότητα 5.7 είμαστε σε θέση να αναφέρουμε ότι οι αξίες συνολικής παραγωγής με υποτίμηση 15% για τις χρονικές περιόδους 0,1,2,3,4,5 είναι οι εξής :

Αξία συνολικής παραγωγής (ΑΣΠ)	
Συνολική αξία παραγωγής την P ₀ περίοδο	87963,148700363500
Συνολική αξία παραγωγής την P ₁ περίοδο	90484,526838338000
Συνολική αξία παραγωγής την P ₂ περίοδο	92296,033463609200
Συνολική αξία παραγωγής την P ₃ περίοδο	93654,681712245300
Συνολική αξία παραγωγής την P ₄ περίοδο	94715,306728073700
Συνολική αξία παραγωγής την P ₅ περίοδο	95566,923390072300

Έτσι οι δείκτες συνολικού πληθωρισμού βάση των υπολογισμών (βλέπε αναλυτικά σελίδα 83) είναι οι εξής:

Περίοδος δείκτη συνολικού πληθωρισμού (ΣΣΔΠ)	$\Sigma\Sigma\Delta\Pi = [\text{ΑΣΠ περιόδου } t+1 - \text{ΑΣΠ περιόδου } t] / \text{ΑΣΠ περιόδου } t$	ΣΣΔΠ σε ποσοστό (%)
Δείκτης συνολικού πληθωρισμού την πρώτη περίοδο	0,02866402778	2,86%
Δείκτης συνολικού πληθωρισμού την δεύτερη περίοδο	0,02002007071	2,00%
Δείκτης συνολικού πληθωρισμού την τρίτη περίοδο	0,01472054863	1,47%
Δείκτης συνολικού πληθωρισμού την τέταρτη περίοδο	0,01132484780	1,13%
Δείκτης συνολικού πληθωρισμού την πέμπτη περίοδο	0,00899133088	0,89%

5.7.2 Δείκτες συνολικού πληθωρισμού για ποσοστό υποτίμησης 50%

Μετά από τους υπολογισμούς (βλέπε αναλυτικά στη σελίδα 83) που έγιναν σύμφωνα με την ενότητα 5.7 είμαστε σε θέση να αναφέρουμε ότι οι αξίες συνολικής παραγωγής με υποτίμηση 50% για τις χρονικές περιόδους 0,1,2,3,4,5 είναι οι εξής :

Αξία συνολικής παραγωγής (ΑΣΠ)	
Συνολική αξία παραγωγής την P ₀ περίοδο	87963,14870036350
Συνολική αξία παραγωγής την P ₁ περίοδο	96367,90840256520
Συνολική αξία παραγωγής την P ₂ περίοδο	102405,78121033600
Συνολική αξία παραγωγής την P ₃ περίοδο	106935,08889695900
Συνολική αξία παραγωγής την P ₄ περίοδο	110470,25328469400
Συνολική αξία παραγωγής την P ₅ περίοδο	113308,44467912300

Έτσι οι δείκτες συνολικού πληθωρισμού βάση των υπολογισμών (βλέπε αναλυτικά σελίδα 83) είναι οι εξής:

Περίοδος δείκτη συνολικού πληθωρισμού (ΣΣΔΠ)	$\Sigma\Sigma\Delta\Pi = \frac{[\text{ΑΣΠ περιόδου } t+1 - \text{ΑΣΠ περιόδου } t]}{\text{ΑΣΠ περιόδου } t}$	ΣΣΔΠ σε ποσοστό (%)
Δείκτης συνολικού πληθωρισμού την πρώτη περίοδο	0,09554864539	9,55%
Δείκτης συνολικού πληθωρισμού την δεύτερη περίοδο	0,06265439302	6,26%
Δείκτης συνολικού πληθωρισμού την τρίτη περίοδο	0,04422902333	4,42%
Δείκτης συνολικού πληθωρισμού την τέταρτη περίοδο	0,03305897460	3,30%
Δείκτης συνολικού πληθωρισμού την πέμπτη περίοδο	0,02569190628	2,56%

ΣΣΠΔ 2

Μοντέλο 3^ο

$$**P = P*Dom + P*Imp + A.v**$$

6. Μοντέλο 3^ο

6.1 Ορισμός & Επεξήγηση Μοντέλου

Όπως στα προηγούμενα συστήματα τιμών έτσι και σε αυτό θα επεξεργαστούμε με τον ίδιο τρόπο ένα ακόμη μοντέλο. Το μοντέλο είναι της εξής μορφής :

$$P = P*Dom + P*Imp + A.v$$

Όπου:

P → Διάνυσμα (1x59) της τιμής κάθε κλάδου

Ως φυσική μονάδα μέτρησης κάθε εμπορεύματος θεωρούμε εκείνη την ποσότητά του, της οποίας η αγοραία αξία (η τιμή αγοράς) ισούται με 1 νομισματική μονάδα.

Dom → Μήτρα συντελεστών εγχώριας παραγωγής (59 x59)

Imp → Μήτρα συντελεστών εισαγωγών (59 x59)

$A.v$ → Διάνυσμα (1x59) της προστιθέμενη αξία των κλάδων ³⁸

Το παραπάνω σύστημα τιμών λέει ότι η τιμή P ενός εμπορεύματος κάποιου κλάδου της ελληνικής οικονομίας είναι ίση με την τιμή επί το συντελεστή της μήτρας εγχώριας παραγωγής συν την τιμή επί τον συντελεστή της μήτρας εισαγωγών συν τον συντελεστή της προστιθέμενης αξίας.

Για παράδειγμα η τιμή του P του κλάδου Basic metals με φυσική μονάδα μέτρησης τη μονάδα είναι ίση με :

$$P = 1 * 0,5204117 + 1 * 0,305588 + 1 * 0,1739998 \Rightarrow P = 1$$



Dom



Imp



$A.v$

Ας δούμε όμως πώς προήλθαν οι μήτρες που χρησιμοποιήσαμε στο σύστημα τιμών.

³⁸ Μαριόλης Θεόδωρος – Οικονομίδης Χαράλαμπος – Σταμάτης Γιώργος – Φουστέρης Νίκος, 1997, Ποσοτική εκτίμηση των επιπτώσεων της υποτίμησης στο «κόστος» παραγωγής, Αθήνα, Εκδόσεις «Κριτική», σελ 13

6.2 Επεξεργασία Πινάκων Εισροών – Εκροών Ελληνικής Οικονομίας

Για να μπορέσουμε να χρησιμοποιήσουμε το παραπάνω μοντέλο πρέπει πρώτα απ' όλα να εξάγουμε την μήτρα συντελεστών εγχώριας παραγωγής «Dom», την μήτρα συντελεστών εισαγωγών «Imp» και το διάνυσμα της προστιθέμενης αξίας «A.v». Τις μήτρες «Dom και Imp» τις έχουμε από το πρώτο μας μοντέλο (σελίδα 20 και 22 αντίστοιχα) ενώ το διάνυσμα A.v. το εξάγουμε παρακάτω.

6.2.1 Εξαγωγή διανύσματος A.v

- Το διάνυσμα A.v προκύπτει από τον πίνακα εγχώρια παραγωγή M1(σελίδα 12) αν διαιρέσουμε την προστιθέμενη αξία κάθε κλάδου «Value added at basic prices» με τα στοιχεία της γραμμής «New Output at basic prices». Η διαίρεση γίνεται ένα προς ένα στοιχείο, για παράδειγμα :

Το 1^ο στοιχείο του διανύσματος A.v είναι ίσο με E71/ E73
Το 2^ο στοιχείο του διανύσματος A.v είναι ίσο με F71/ F73
Το 3^ο στοιχείο του διανύσματος A.v είναι ίσο με G71/ G73
...ομοίως μέχρι το 59^η στοιχείο του διανύσματος

Έτσι δημιουργούμε το διάνυσμα προστιθέμενης αξίας A.v (1x59) που ακολουθεί (σελίδα 87)

Διανύσμα Αν

6.3 Εισαγωγή Δεδομένων 3^ο Μοντέλου Στο Mathematica

Αφού εξηγήσαμε πως προήρθαν τα δεδομένα του 3^ο μας μοντέλου (μήτρα Dom – Imp – A.v), τώρα θα εισάγουμε τα δεδομένα αυτά στο mathematica. Τα δεδομένα που εισάγουμε μπορεί κάποιος να τα βρει στο A.1 και A.3 Παράρτημα (σελίδα 138 και 218 αντίστοιχα). Συγκεκριμένα εκεί περιέχονται τα εξής :

- Εισαγωγή μήτρας εγχώριας παραγωγής M1 – Dom
- Εισαγωγή μήτρας εισαγωγών M1 – Imp
- Εισαγωγή διαγώνιας μήτρας – A.v
- Εισαγωγή διανύσματος γραμμή τιμής – P₀

κλάδο⁴¹ που είναι και το ζητούμενό μας. Τέλος, για να είναι τα αποτελέσματα καλύτερα αντιληπτά από τον αναγνώστη έχουν μεταφερθεί σε πίνακα που ακολουθούν στην επόμενη ενότητα (6.5.2 ενότητα).

Ο πίνακας αυτός μας δείχνει :

α) τις επιδράσεις των τιμών των εμπορευμάτων ανά κλάδο για τις πρώτες 20 επαναλήψεις

β) σε πια επανάληψη σταματάνε οι επιδράσεις της υποτίμησης (υπογραμμισμένες τιμές και έντονα γράμματα)

και

γ) τη τιμή που έχουν τα εμπορεύματα μετά το πέρας της επίδρασης της υποτίμησης του νομίσματος κατά 15 % (υπογραμμισμένες τιμές και έντονα γράμματα)

⁴¹ Βλέπε αναλυτικά τα 20 διανύσματα γραμμή των τιμών των εμπορευμάτων στο Β.3.α Παράρτημα σελίδα 324

6.5.2 Αποτελέσματα 3^{ου} μοντέλου σε πίνακα για υποτίμηση 15%

Πίνακας αποτελεσμάτων 3 ^{ου} μοντέλου με υποτίμηση του νομίσματος 15%											
	PRODUCTS (CPA)	Products of agriculture, hunting and related services	Products of forestry, logging and related services	Fish and other fishing products; services incidental of fishing	Coal and lignite; peat	Crude petroleum and natural gas; services incidental to oil and gas extraction excluding surveying	Uranium and thorium ores	Metal ores	Other mining and quarrying products	Food products and beverages	Tobacco products
	Τιμή	E	F	G	H	I	J	K	L	M	N
Μεταβολή της τιμής από την 1 ^η επανάληψη έως την 20 ^η	P ₁	1.00918	1.00045	1.00819	1.01103	1.01708	0.0	1.01095	1.01292	1.01239	1.012
	P ₂	1.01487	1.00328	1.01504	1.01731	1.02232	0.0	1.01785	1.02213	1.01884	1.01736
	P ₃	1.01646	1.00442	1.01626	1.01918	1.02444	0.0	1.01979	1.02424	1.02183	1.0197
	P ₄	1.01692	1.0048	1.01655	1.01971	1.02491	0.0	1.02022	1.02477	1.02281	1.02046
	P ₅	1.01705	1.00492	1.01663	1.01986	1.02505	0.0	1.02035	1.02493	1.02311	1.02069
	P ₆	1.01709	1.00496	1.01666	1.01991	1.02509	0.0	1.02039	1.02497	1.0232	1.02077
	P ₇	1.01711	1.00497	1.01666	1.01993	1.02511	0.0	1.0204	1.02499	1.02323	1.02079
	P ₈	1.01711	1.00497	1.01667	1.01993	1.02511	0.0	1.02041	1.02499	1.02324	1.0208
	P ₉	1.01711	1.00497	1.01667	1.01994	1.02511	0.0	1.02041	1.025	1.02324	1.0208
	P ₁₀	1.01711	1.00498	1.01667	1.01994	1.02511	0.0	1.02041	1.025	1.02324	1.0208
	P ₁₁	1.01711	1.00498	1.01667	1.01994	1.02511	0.0	1.02041	1.025	1.02324	1.0208
	P ₁₂	1.01711	1.00498	1.01667	1.01994	1.02511	0.0	1.02041	1.025	1.02324	1.0208
	P ₁₃	1.01711	1.00498	1.01667	1.01994	1.02511	0.0	1.02041	1.025	1.02324	1.0208
	P ₁₄	1.01711	1.00498	1.01667	1.01994	1.02511	0.0	1.02041	1.025	1.02324	1.0208
	P ₁₅	1.01711	1.00498	1.01667	1.01994	1.02511	0.0	1.02041	1.025	1.02324	1.0208
	P ₁₆	1.01711	1.00498	1.01667	1.01994	1.02511	0.0	1.02041	1.025	1.02324	1.0208
	P ₁₇	1.01711	1.00498	1.01667	1.01994	1.02511	0.0	1.02041	1.025	1.02324	1.0208
	P ₁₈	1.01711	1.00498	1.01667	1.01994	1.02511	0.0	1.02041	1.025	1.02324	1.0208
	P ₁₉	1.01711	1.00498	1.01667	1.01994	1.02511	0.0	1.02041	1.025	1.02324	1.0208
	P ₂₀	1.01711	1.00498	1.01667	1.01994	1.02511	0.0	1.02041	1.025	1.02324	1.0208

Πίνακας αποτελεσμάτων 3^{ου} μοντέλου με υποτίμηση του νομίσματος 15% (συνέχεια)

	PRODUCTS (CPA)	Textiles	Wearing apparel; furs	Leather and leather products	Wood and products of wood and cork (except furniture); articles of straw and plaiting materials	Pulp, paper and paper products	Printed matter and recorded media	Coke, refined petroleum products and nuclear fuels	Chemicals, chemical products and man-made fibres	Rubber and plastic products	Other non-metallic mineral products
	Τιμή	O	P	Q	R	S	T	U	V	W	X
Μεταβολή της τιμής από την 1 ^η επανάληψη έως την 20 ^η	P ₁	1.02722	1.02172	1.02638	1.0245	1.03605	1.02212	1.10003	1.0423	1.03334	1.01471
	P ₂	1.03382	1.0262	1.03404	1.03402	1.04388	1.02779	1.10696	1.04937	1.04023	1.02203
	P ₃	1.03629	1.02772	1.03624	1.03751	1.04616	1.02954	1.10786	1.05145	1.04236	1.02515
	P ₄	1.03712	1.02825	1.03694	1.03874	1.04689	1.03011	1.10809	1.05213	1.04306	1.02614
	P ₅	1.03738	1.02842	1.03716	1.03914	1.04711	1.03029	1.10816	1.05234	1.04327	1.02642
	P ₆	1.03746	1.02847	1.03723	1.03927	1.04718	1.03035	1.10818	1.0524	1.04334	1.02651
	P ₇	1.03749	1.02849	1.03725	1.03931	1.0472	1.03036	1.10819	1.05243	1.04336	1.02654
	P ₈	1.0375	1.02849	1.03725	1.03933	1.04721	1.03037	1.10819	1.05243	1.04337	1.02655
	P ₉	1.0375	1.02849	1.03726	1.03933	1.04721	1.03037	1.10819	1.05243	1.04337	1.02655
	P ₁₀	1.0375	1.02849	1.03726	1.03933	1.04721	1.03037	1.10819	1.05243	1.04337	1.02655
	P ₁₁	1.0375	1.02849	1.03726	1.03933	1.04721	1.03037	1.10819	1.05244	1.04337	1.02655
	P ₁₂	1.0375	1.02849	1.03726	1.03933	1.04721	1.03037	1.10819	1.05244	1.04337	1.02655
	P ₁₃	1.0375	1.02849	1.03726	1.03933	1.04721	1.03037	1.10819	1.05244	1.04337	1.02655
	P ₁₄	1.0375	1.02849	1.03726	1.03933	1.04721	1.03037	1.10819	1.05244	1.04337	1.02655
	P ₁₅	1.0375	1.02849	1.03726	1.03933	1.04721	1.03037	1.10819	1.05244	1.04337	1.02655
	P ₁₆	1.0375	1.02849	1.03726	1.03933	1.04721	1.03037	1.10819	1.05244	1.04337	1.02655
	P ₁₇	1.0375	1.02849	1.03726	1.03933	1.04721	1.03037	1.10819	1.05244	1.04337	1.02655
	P ₁₈	1.0375	1.02849	1.03726	1.03933	1.04721	1.03037	1.10819	1.05244	1.04337	1.02655
	P ₁₉	1.0375	1.02849	1.03726	1.03933	1.04721	1.03037	1.10819	1.05244	1.04337	1.02655
	P ₂₀	1.0375	1.02849	1.03726	1.03933	1.04721	1.03037	1.10819	1.05244	1.04337	1.02655

Πίνακας αποτελεσμάτων 3^{ου} μοντέλου με υποτίμηση του νομίσματος 15% (συνέχεια)

	PRODUCTS (CPA)	Basic metals	Fabricated metal products, except machinery and equipment	Machinery and equipment n.e.c.	Office machinery and computers	Electrical machinery and apparatus n.e.c.	Radio, television and communication equipment and apparatus	Medical, precision and optical instruments, watches and clocks	Motor vehicles, trailers and semi-trailers	Other transport equipment	Furniture; other manufact. goods n.e.c.
	Τιμή	Υ	Z	AA	AB	AC	AD	AE	AF	AG	AH
Μεταβολή της τιμής από την 1 ^η επανάληψη έως την 20 ^η	P ₁	1.04584	1.03422	1.03662	1.02152	1.03585	1.022	1.03632	1.04478	1.0355	1.02068
	P ₂	1.06227	1.04648	1.04321	1.02632	1.04639	1.02641	1.0417	1.0508	1.04267	1.02662
	P ₃	1.06815	1.05075	1.0454	1.02803	1.05001	1.02799	1.04327	1.05265	1.04515	1.02875
	P ₄	1.07017	1.05225	1.04616	1.02861	1.05128	1.02853	1.04381	1.05329	1.04601	1.02951
	P ₅	1.07084	1.05275	1.04642	1.0288	1.05171	1.0287	1.04397	1.0535	1.04629	1.02976
	P ₆	1.07106	1.05291	1.0465	1.02886	1.05185	1.02876	1.04402	1.05357	1.04639	1.02984
	P ₇	1.07113	1.05297	1.04653	1.02888	1.05189	1.02878	1.04404	1.05359	1.04642	1.02987
	P ₈	1.07115	1.05299	1.04654	1.02888	1.05191	1.02878	1.04405	1.05359	1.04643	1.02988
	P ₉	1.07116	1.05299	1.04654	1.02889	1.05191	1.02878	1.04405	1.0536	1.04643	1.02988
	P ₁₀	1.07116	1.05299	1.04654	1.02889	1.05191	1.02878	1.04405	1.0536	1.04643	1.02988
	P ₁₁	1.07116	1.05299	1.04654	1.02889	1.05191	1.02878	1.04405	1.0536	1.04643	1.02988
	P ₁₂	1.07116	1.05299	1.04654	1.02889	1.05191	1.02878	1.04405	1.0536	1.04643	1.02988
	P ₁₃	1.07116	1.05299	1.04654	1.02889	1.05191	1.02878	1.04405	1.0536	1.04643	1.02988
	P ₁₄	1.07116	1.05299	1.04654	1.02889	1.05191	1.02878	1.04405	1.0536	1.04643	1.02988
	P ₁₅	1.07116	1.05299	1.04654	1.02889	1.05191	1.02878	1.04405	1.0536	1.04643	1.02988
	P ₁₆	1.07116	1.05299	1.04654	1.02889	1.05191	1.02878	1.04405	1.0536	1.04643	1.02988
	P ₁₇	1.07116	1.05299	1.04654	1.02889	1.05191	1.02878	1.04405	1.0536	1.04643	1.02988
	P ₁₈	1.07116	1.05299	1.04654	1.02889	1.05191	1.02878	1.04405	1.0536	1.04643	1.02988
	P ₁₉	1.07116	1.05299	1.04654	1.02889	1.05191	1.02878	1.04405	1.0536	1.04643	1.02988
	P ₂₀	1.07116	1.05299	1.04654	1.02889	1.05191	1.02878	1.04405	1.0536	1.04643	1.02988

Πίνακας αποτελεσμάτων 3^{ου} μοντέλου με υποτίμηση του νομίσματος 15% (συνέχεια)

	PRODUCTS (CPA)	Secondary raw materials	Electrical energy, gas, steam and hot water	Collected and purified water, distribution services of water	Construction work	Trade, maintenance and repair services of motor vehicles and motorcycles; retail sale of automotive fuel	Wholesale trade and commission trade services, except of motor vehicles and motorcycles	Retail trade services, except of motor vehicles and motorcycles; repair services of personal and household goods	Hotel and restaurant services	Land transport; transport via pipeline services	Water transport services
	Τιμή	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR
Μεταβολή της τιμής από την 1 ^η επανάληψη έως την 20 ^η	P ₁	1.03966	1.00721	1.01079	1.01726	1.00681	1.01047	1.00635	1.01171	1.01952	1.04201
	P ₂	1.05523	1.0138	1.01459	1.02646	1.00847	1.01482	1.00886	1.01625	1.03196	1.05011
	P ₃	1.06041	1.01565	1.01552	1.02948	1.00937	1.01633	1.00983	1.01803	1.03365	1.05169
	P ₄	1.06218	1.01616	1.0158	1.03054	1.00969	1.01669	1.01011	1.01869,	1.03409	1.05213
	P ₅	1.06277	1.0163	1.01588	1.03087	1.00979	1.0168	1.01019	1.0189	1.03422	1.05226
	P ₆	1.06296	1.01634	1.01591	1.03098	1.00982	1.01684	1.01022	1.01896	1.03427	1.0523
	P ₇	1.06302	1.01636	1.01592	1.03102	1.00983	1.01685	1.01023	1.01898	1.03428	1.05231
	P ₈	1.06304	1.01636	1.01592	1.03103	1.00983	1.01685	1.01023	1.01899	1.03428	1.05232
	P ₉	1.06305	1.01636	1.01592	1.03103	1.00984	1.01685	1.01023	1.01899	1.03429	1.05232
	P ₁₀	1.06305	1.01636	1.01592	1.03103	1.00984	1.01685	1.01023	1.01899	1.03429	1.05232
	P ₁₁	1.06305	1.01636	1.01592	1.03103	1.00984	1.01685	1.01023	1.01899	1.03429	1.05232
	P ₁₂	1.06305	1.01636	1.01592	1.03103	1.00984	1.01685	1.01023	1.01899	1.03429	1.05232
	P ₁₃	1.06305	1.01636	1.01592	1.03103	1.00984	1.01685	1.01023	1.01899	1.03429	1.05232
	P ₁₄	1.06305	1.01636	1.01592	1.03103	1.00984	1.01685	1.01023	1.01899	1.03429	1.05232
	P ₁₅	1.06305	1.01636	1.01592	1.03103	1.00984	1.01685	1.01023	1.01899	1.03429	1.05232
	P ₁₆	1.06305	1.01636	1.01592	1.03103	1.00984	1.01685	1.01023	1.01899	1.03429	1.05232
	P ₁₇	1.06305	1.01636	1.01592	1.03103	1.00984	1.01685	1.01023	1.01899	1.03429	1.05232
	P ₁₈	1.06305	1.01636	1.01592	1.03103	1.00984	1.01685	1.01023	1.01899	1.03429	1.05232
	P ₁₉	1.06305	1.01636	1.01592	1.03103	1.00984	1.01685	1.01023	1.01899	1.03429	1.05232
	P ₂₀	1.06305	1.01636	1.01592	1.03103	1.00984	1.01685	1.01023	1.01899	1.03429	1.05232

Πίνακας αποτελεσμάτων 3 ^{ου} μοντέλου με υποτίμηση του νομίσματος 15% (συνέχεια)										
	PRODUCTS (CPA)	Air transport services	Supporting and auxiliary transport services; travel agency services	Post and telecommunication services	Financial intermediat. services, except insurance and pension funding services	Insurance and pension funding services, except compulsory social security services	Activities auxiliary to financial intermediat.	Real estate services	Renting services of machinery and equipment without operator and of personal and household goods	Computer and related services
	Τιμή	AS	AT	AU	AV	AW	AX	AY	AZ	BA
Μεταβολή της τιμής από την 1 ^η επανάληψη έως την 20 ^η	P ₁	1.01731	1.01636	1.00431	1.00249	1.00663	1.00419	1.00136	1.0078	1.00927
	P ₂	1.02493	1.02191	1.00569	1.00432	1.01045	1.00663	1.00295	1.01155	1.01302
	P ₃	1.02626	1.02347	1.0061	1.00506	1.01222	1.00767	1.00375	1.0129	1.01447
	P ₄	1.02665	1.02388	1.00623	1.00531	1.01288	1.00805	1.004	1.01336	1.01499
	P ₅	1.02678	1.02402	1.00627	1.00539	1.01311	1.00819	1.00409	1.01352	1.01516
	P ₆	1.02682	1.02406	1.00628	1.00542	1.01319	1.00823	1.00412	1.01356	1.01521
	P ₇	1.02683	1.02407	1.00628	1.00543	1.01322	1.00824	1.00413	1.01358	1.01523
	P ₈	1.02684	1.02407	1.00628	1.00543	1.01323	1.00825	1.00413	1.01358	1.01524
	P ₉	1.02684	1.02407	1.00628	1.00543	1.01323	1.00825	1.00413	1.01359	1.01524
	P ₁₀	1.02684	1.02408	1.00628	1.00543	1.01323	1.00825	1.00413	1.01359	1.01524
	P ₁₁	1.02684	1.02408	1.00628	1.00543	1.01323	1.00825	1.00413	1.01359	1.01524
	P ₁₂	1.02684	1.02408	1.00628	1.00543	1.01323	1.00825	1.00413	1.01359	1.01524
	P ₁₃	1.02684	1.02408	1.00628	1.00543	1.01323	1.00825	1.00413	1.01359	1.01524
	P ₁₄	1.02684	1.02408	1.00628	1.00543	1.01323	1.00825	1.00413	1.01359	1.01524
	P ₁₅	1.02684	1.02408	1.00628	1.00543	1.01323	1.00825	1.00413	1.01359	1.01524
	P ₁₆	1.02684	1.02408	1.00628	1.00543	1.01323	1.00825	1.00413	1.01359	1.01524
	P ₁₇	1.02684	1.02408	1.00628	1.00543	1.01323	1.00825	1.00413	1.01359	1.01524
	P ₁₈	1.02684	1.02408	1.00628	1.00543	1.01323	1.00825	1.00413	1.01359	1.01524
	P ₁₉	1.02684	1.02408	1.00628	1.00543	1.01323	1.00825	1.00413	1.01359	1.01524
	P ₂₀	1.02684	1.02408	1.00628	1.00543	1.01323	1.00825	1.00413	1.01359	1.01524

Πίνακας αποτελεσμάτων 3^{ου} μοντέλου με υποτίμηση του νομίματος 15% (συνέχεια)

PRODUCTS (CPA)	Research and development services	Other business services	Public administrat. and defence services; compulsory social security services	Education services	Health and social work services	Sewage and refuse disposal services, sanitation and similar services	Membership organisation services n.e.c.	Recreational, cultural and sporting services	Other services	Private households with employed persons	
Τιμή	BB	BC	BD	BE	BF	BG	BH	BI	BJ	BK	
Μεταβολή της τιμής από την 1 ^η επανάληψη έως την 20 ^η	P ₁	1.00799	1.00781	1.01367	1.00046	1.01992	1.00871	1.00696	1.00814	1.00564	0.0
	P ₂	1.01175	1.01192	1.01643	1.00156	1.02396	1.01216	1.01179	1.0114	1.00737	0.0
	P ₃	1.01331	1.01348	1.01736	1.00202	1.02489	1.01287	1.01385	1.01273	1.0081	0.0
	P ₄	1.01384	1.01403	1.01764	1.00217	1.02519	1.01309	1.01459	1.0132	1.00833	0.0
	P ₅	1.01402	1.01422	1.01774	1.00222	1.02528	1.01315	1.01483	1.01336	1.00841	0.0
	P ₆	1.01408	1.01428	1.01777	1.00224	1.02531	1.01317	1.01491	1.01342	1.00844	0.0
	P ₇	1.0141	1.0143	1.01777	1.00225	1.02532	1.01318	1.01494	1.01344	1.00845	0.0
	P ₈	1.01411	1.01431	1.01778	1.00225	1.02532	1.01318	1.01495	1.01344	1.00845	0.0
	P ₉	1.01411	1.01431	1.01778	1.00225	1.02532	1.01318	1.01495	1.01344	1.00845	0.0
	P ₁₀	1.01411	1.01431	1.01778	1.00225	1.02532	1.01318	1.01495	1.01344	1.00845	0.0
	P ₁₁	1.01411	1.01431	1.01778	1.00225	1.02532	1.01318	1.01495	1.01344	1.00845	0.0
	P ₁₂	1.01411	1.01431	1.01778	1.00225	1.02532	1.01318	1.01495	1.01344	1.00845	0.0
	P ₁₃	1.01411	1.01431	1.01778	1.00225	1.02532	1.01318	1.01495	1.01344	1.00845	0.0
	P ₁₄	1.01411	1.01431	1.01778	1.00225	1.02532	1.01318	1.01495	1.01344	1.00845	0.0
	P ₁₅	1.01411	1.01431	1.01778	1.00225	1.02532	1.01318	1.01495	1.01344	1.00845	0.0
	P ₁₆	1.01411	1.01431	1.01778	1.00225	1.02532	1.01318	1.01495	1.01344	1.00845	0.0
	P ₁₇	1.01411	1.01431	1.01778	1.00225	1.02532	1.01318	1.01495	1.01344	1.00845	0.0
	P ₁₈	1.01411	1.01431	1.01778	1.00225	1.02532	1.01318	1.01495	1.01344	1.00845	0.0
	P ₁₉	1.01411	1.01431	1.01778	1.00225	1.02532	1.01318	1.01495	1.01344	1.00845	0.0
	P ₂₀	1.01411	1.01431	1.01778	1.00225	1.02532	1.01318	1.01495	1.01344	1.00845	0.0

αντιληπτά από τον αναγνώστη έχουν μεταφερθεί σε πίνακα που ακολουθούν στην επόμενη ενότητα (6.6.2 ενότητα).

Ο πίνακας αυτός μας δείχνει :

α) τις επιδράσεις των τιμών των εμπορευμάτων ανά κλάδο για τις πρώτες 20 επαναλήψεις

β) σε πια επανάληψη σταματάνε οι επιδράσεις της υποτίμησης (υπογραμμισμένες τιμές και έντονα γράμματα)

και

γ) τη τιμή που έχουν τα εμπορεύματα μετά το πέρας της επίδρασης της υποτίμησης του νομίσματος κατά 50 % (υπογραμμισμένες τιμές και έντονα γράμματα)

6.6.2 Αποτελέσματα 3^{ου} μοντέλου σε πίνακα για υποτίμηση 50%

Πίνακας αποτελεσμάτων 3 ^{ου} μοντέλου με υποτίμηση του νομίσματος 50%											
	PRODUCTS (CPA)	Products of agriculture, hunting and related services	Products of forestry, logging and related services	Fish and other fishing products; services incidental of fishing	Coal and lignite; peat	Crude petroleum and natural gas; services incidental to oil and gas extraction excluding surveying	Uranium & thorium ores	Metal ores	Other mining and quarrying products	Food products and beverages	Tobacco products
	Τιμή	E	F	G	H	I	J	K	L	M	N
Μεταβολή της τιμής από την 1 ^η επανάληψη έως την 20 ^η	P ₁	1.03061	1.0015	1.02729	1.03676	1.05692	0.0	1.03651	1.04307	1.04129	1.03999
	P ₂	1.04958	1.01093	1.05015	1.05771	1.07439	0.0	1.05951	1.07378	1.0628	1.05786
	P ₃	1.05486	1.01473	1.0542	1.06392	1.08145	0.0	1.06597	1.08081	1.07277	1.06566
	P ₄	1.05639	1.01601	1.05517	1.06568	1.08303	0.0	1.06741	1.08256	1.07604	1.06819
	P ₅	1.05684	1.01641	1.05544	1.06622	1.0835	0.0	1.06783	1.08308	1.07703	1.06897
	P ₆	1.05698	1.01653	1.05552	1.06638	1.08364	0.0	1.06797	1.08325	1.07733	1.06922
	P ₇	1.05702	1.01657	1.05555	1.06643	1.08369	0.0	1.06801	1.0833	1.07743	1.0693
	P ₈	1.05703	1.01658	1.05556	1.06644	1.0837	0.0	1.06803	1.08331	1.07746	1.06932
	P ₉	1.05704	1.01658	1.05556	1.06645	1.08371	0.0	1.06803	1.08332	1.07747	1.06933
	P ₁₀	1.05704	1.01658	1.05556	1.06645	1.08371	0.0	1.06803	1.08332	1.07747	1.06934
	P ₁₁	1.05704	1.01658	1.05556	1.06645	1.08371	0.0	1.06803	1.08332	1.07747	1.06934
	P ₁₂	1.05704	1.01658	1.05556	1.06645	1.08371	0.0	1.06803	1.08332	1.07747	1.06934
	P ₁₃	1.05704	1.01658	1.05556	1.06645	1.08371	0.0	1.06803	1.08332	1.07747	1.06934
	P ₁₄	1.05704	1.01658	1.05556	1.06645	1.08371	0.0	1.06803	1.08332	1.07747	1.06934
	P ₁₅	1.05704	1.01658	1.05556	1.06645	1.08371	0.0	1.06803	1.08332	1.07747	1.06934
	P ₁₆	1.05704	1.01658	1.05556	1.06645	1.08371	0.0	1.06803	1.08332	1.07747	1.06934
	P ₁₇	1.05704	1.01658	1.05556	1.06645	1.08371	0.0	1.06803	1.08332	1.07747	1.06934
	P ₁₈	1.05704	1.01658	1.05556	1.06645	1.08371	0.0	1.06803	1.08332	1.07747	1.06934
	P ₁₉	1.05704	1.01658	1.05556	1.06645	1.08371	0.0	1.06803	1.08332	1.07747	1.06934
	P ₂₀	1.05704	1.01658	1.05556	1.06645	1.08371	0.0	1.06803	1.08332	1.07747	1.06934

Πίνακας αποτελεσμάτων 3^{ου} μοντέλου με υποτίμηση του νομίσματος 50% (συνέχεια)

	PRODUCTS (CPA)	Textiles	Wearing apparel; furs	Leather and leather products	Wood and products of wood and cork (except furniture); articles of straw and plaiting materials	Pulp, paper and paper products	Printed matter and recorded media	Coke, refined petroleum products and nuclear fuels	Chemicals, chemical products and man-made fibres	Rubber and plastic products	Other non-metallic mineral products
	Τιμή	O	P	Q	R	S	T	U	V	W	X
Μεταβολή της τιμής από την 1 ^η επανάληψη έως την 20 ^η	P ₁	1.09074	1.07241	1.08793	1.08165	1.12015	1.07374	1.33344	1.14101	1.11112	1.04902
	P ₂	1.11275	1.08735	1.11347	1.11338	1.14626	1.09265	1.35653	1.16457	1.13411	1.07343
	P ₃	1.12095	1.09239	1.12078	1.12504	1.15387	1.09847	1.35953	1.1715	1.1412	1.08385
	P ₄	1.12372	1.09416	1.12311	1.12912	1.15629	1.10036	1.36031	1.17376	1.14352	1.08712
	P ₅	1.12459	1.09472	1.12385	1.13047	1.15704	1.10096	1.36054	1.17446	1.14424	1.08808
	P ₆	1.12487	1.0949	1.12408	1.1309	1.15727	1.10115	1.36061	1.17468	1.14446	1.08837
	P ₇	1.12496	1.09495	1.12415	1.13104	1.15735	1.10122	1.36063	1.17475	1.14453	1.08846
	P ₈	1.12499	1.09497	1.12418	1.13108	1.15737	1.10123	1.36064	1.17477	1.14456	1.08849
	P ₉	1.125	1.09498	1.12419	1.1311	1.15738	1.10124	1.36064	1.17478	1.14457	1.0885
	P ₁₀	1.125	1.09498	1.12419	1.1311	1.15738	1.10124	1.36064	1.17478	1.14457	1.0885
	P ₁₁	1.125	1.09498	1.12419	1.1311	1.15738	1.10124	1.36064	1.17478	1.14457	1.0885
	P ₁₂	1.125	1.09498	1.12419	1.1311	1.15738	1.10124	1.36064	1.17478	1.14457	1.0885
	P ₁₃	1.125	1.09498	1.12419	1.1311	1.15738	1.10124	1.36064	1.17478	1.14457	1.0885
	P ₁₄	1.125	1.09498	1.12419	1.1311	1.15738	1.10124	1.36064	1.17478	1.14457	1.0885
	P ₁₅	1.125	1.09498	1.12419	1.1311	1.15738	1.10124	1.36064	1.17478	1.14457	1.0885
	P ₁₆	1.125	1.09498	1.12419	1.1311	1.15738	1.10124	1.36064	1.17478	1.14457	1.0885
	P ₁₇	1.125	1.09498	1.12419	1.1311	1.15738	1.10124	1.36064	1.17478	1.14457	1.0885
	P ₁₈	1.125	1.09498	1.12419	1.1311	1.15738	1.10124	1.36064	1.17478	1.14457	1.0885
	P ₁₉	1.125	1.09498	1.12419	1.1311	1.15738	1.10124	1.36064	1.17478	1.14457	1.0885
	P ₂₀	1.125	1.09498	1.12419	1.1311	1.15738	1.10124	1.36064	1.17478	1.14457	1.0885

Πίνακας αποτελεσμάτων 3^{ου} μοντέλου με υποτίμηση του νομίσματος 50% (συνέχεια)

	PRODUCTS (CPA)	Basic metals	Fabricated metal products, except machinery and equipment	Machinery and equipment n.e.c.	Office machinery and computers	Electrical machinery and apparatus n.e.c.	Radio, television and communication equipment and apparatus	Medical, precision and optical instruments, watches and clocks	Motor vehicles, trailers and semi-trailers	Other transport equipment	Furniture; other manufact. goods n.e.c.
	Τιμή	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH
Μεταβολή της τιμής από την 1 ^η επανάληψη έως την 20 ^η	P ₁	1.15279	1.11407	1.12205	1.07173	1.1195	1.07333	1.12107	1.14928	1.11845	1.06892
	P ₂	1.20757	1.15494	1.14402	1.08773	1.15463	1.08803	1.13901	1.16932	1.14236	1.08872
	P ₃	1.22717	1.16918	1.15133	1.09343	1.1667	1.09331	1.14424	1.17551	1.15061	1.09585
	P ₄	1.23389	1.17415	1.15388	1.09537	1.17094	1.09511	1.14602	1.17765	1.15346	1.09838
	P ₅	1.23613	1.17583	1.15473	1.09599	1.17236	1.09568	1.14658	1.17833	1.15441	1.09921
	P ₆	1.2368	1.17638	1.155	1.09619	1.17282	1.09586	1.14675	1.17855	1.15473	1.09948
	P ₇	1.2371	1.17656	1.1551	1.09626	1.17297	1.09592	1.1468	1.17862	1.15483	1.09957
	P ₈	1.23718	1.17662	1.15512	1.09628	1.17302	1.09594	1.14682	1.17865	1.15486	1.09959
	P ₉	1.2372	1.17664	1.15513	1.09629	1.17303	1.09595	1.14682	1.17865	1.15487	1.0996
	P ₁₀	1.23721	1.17664	1.15514	1.09629	1.17304	1.09595	1.14683	1.17866	1.15488	1.09961
	P ₁₁	1.23721	1.17664	1.15514	1.09629	1.17304	1.09595	1.14683	1.17866	1.15488	1.09961
	P ₁₂	1.23721	1.17664	1.15514	1.09629	1.17304	1.09595	1.14683	1.17866	1.15488	1.09961
	P ₁₃	1.23721	1.17664	1.15514	1.09629	1.17304	1.09595	1.14683	1.17866	1.15488	1.09961
	P ₁₄	1.23721	1.17664	1.15514	1.09629	1.17304	1.09595	1.14683	1.17866	1.15488	1.09961
	P ₁₅	1.23721	1.17664	1.15514	1.09629	1.17304	1.09595	1.14683	1.17866	1.15488	1.09961
	P ₁₆	1.23721	1.17664	1.15514	1.09629	1.17304	1.09595	1.14683	1.17866	1.15488	1.09961
	P ₁₇	1.23721	1.17664	1.15514	1.09629	1.17304	1.09595	1.14683	1.17866	1.15488	1.09961
	P ₁₈	1.23721	1.17664	1.15514	1.09629	1.17304	1.09595	1.14683	1.17866	1.15488	1.09961
	P ₁₉	1.23721	1.17664	1.15514	1.09629	1.17304	1.09595	1.14683	1.17866	1.15488	1.09961
	P ₂₀	1.23721	1.17664	1.15514	1.09629	1.17304	1.09595	1.14683	1.17866	1.15488	1.09961

Πίνακας αποτελεσμάτων 3^{ου} μοντέλου με υποτίμηση του νομίσματος 50% (συνέχεια)

	PRODUCTS (CPA)	Secondary raw materials	Electrical energy, gas, steam and hot water	Collected and purified water, distribution services of water	Construction work	Trade, maintenance and repair services of motor vehicles and motorcycles; retail sale of automotive fuel	Wholesale trade and commission trade services, except of motor vehicles and motorcycles	Retail trade services, except of motor vehicles and motorcycles; repair services of personal and household goods	Hotel and restaurant services	Land transport; transport via pipeline services	Water transport services
	Τιμή	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR
Μεταβολή της τιμής από την 1 ^η επανάληψη έως την 20 ^η	P ₁	1.13222	1.02405	1.03596	1.05754	1.02271	1.0349	1.02117	1.03903	1.06507	1.14002
	P ₂	1.1841	1.046	1.04863	1.08821	1.02823	1.0494	1.02955	1.05416	1.10653	1.16704
	P ₃	1.20137	1.05216	1.05173	1.09827	1.03124	1.05442	1.03275	1.06009	1.11218	1.1723
	P ₄	1.20725	1.05385	1.05266	1.10178	1.03229	1.05564	1.03369	1.0623	1.11363	1.17375
	P ₅	1.20922	1.05434	1.05295	1.10291	1.03263	1.056	1.03398	1.06299	1.11408	1.17419
	P ₆	1.20986	1.05448	1.05304	1.10327	1.03274	1.05612	1.03407	1.0632	1.11422	1.17434
	P ₇	1.21007	1.05453	1.05306	1.10339	1.03277	1.05616	1.0341	1.06327	1.11427	1.17438
	P ₈	1.21014	1.05454	1.05307	1.10342	1.03278	1.05617	1.03411	1.06329	1.11428	1.17439
	P ₉	1.21016	1.05454	1.05308	1.10343	1.03279	1.05617	1.03411	1.06329	1.11429	1.1744
	P ₁₀	1.21017	1.05455	1.05308	1.10344	1.03279	1.05617	1.03412	1.0633	1.11429	1.1744
	P ₁₁	1.21017	1.05455	1.05308	1.10344	1.03279	1.05617	1.03412	1.0633	1.11429	1.1744
	P ₁₂	1.21017	1.05455	1.05308	1.10344	1.03279	1.05617	1.03412	1.0633	1.11429	1.1744
	P ₁₃	1.21017	1.05455	1.05308	1.10344	1.03279	1.05617	1.03412	1.0633	1.11429	1.1744
	P ₁₄	1.21017	1.05455	1.05308	1.10344	1.03279	1.05617	1.03412	1.0633	1.11429	1.1744
	P ₁₅	1.21017	1.05455	1.05308	1.10344	1.03279	1.05617	1.03412	1.0633	1.11429	1.1744
	P ₁₆	1.21017	1.05455	1.05308	1.10344	1.03279	1.05617	1.03412	1.0633	1.11429	1.1744
	P ₁₇	1.21017	1.05455	1.05308	1.10344	1.03279	1.05617	1.03412	1.0633	1.11429	1.1744
	P ₁₈	1.21017	1.05455	1.05308	1.10344	1.03279	1.05617	1.03412	1.0633	1.11429	1.1744
	P ₁₉	1.21017	1.05455	1.05308	1.10344	1.03279	1.05617	1.03412	1.0633	1.11429	1.1744
	P ₂₀	1.21017	1.05455	1.05308	1.10344	1.03279	1.05617	1.03412	1.0633	1.11429	1.1744

Πίνακας αποτελεσμάτων 3 ^{ου} μοντέλου με υποτίμηση του νομίσματος 50% (συνέχεια)										
PRODUCTS (CPA)	Air transport services	Supporting and auxiliary transport services; travel agency services	Post and telecommunication services	Financial intermediat. services, except insurance and pension funding services	Insurance and pension funding services, except compulsory social security services	Activities auxiliary to financial intermediat.	Real estate services	Renting services of machinery and equipment without operator and of personal and household goods	Computer and related services	
Τιμή	AS	AT	AU	AV	AW	AX	AY	AZ	BA	
Μεταβολή της τιμής από την 1 ^η επανάληψη έως την 20 ^η	P ₁	1.05769	1.05455	1.01438	1.00829	1.02209	1.01397	1.00455	1.026	1.03089
	P ₂	1.08309	1.07302	1.01897	1.01442	1.03483	1.02211	1.00985	1.0385	1.0434
	P ₃	1.08753	1.07823	1.02032	1.01688	1.04072	1.02557	1.01248	1.043	1.04824
	P ₄	1.08884	1.07962	1.02075	1.0177	1.04293	1.02684	1.01335	1.04455	1.04996
	P ₅	1.08927	1.08005	1.02089	1.01798	1.04371	1.02729	1.01364	1.04505	1.05053
	P ₆	1.0894	1.08019	1.02093	1.01807	1.04397	1.02744	1.01373	1.04521	1.05072
	P ₇	1.08944	1.08023	1.02094	1.0181	1.04406	1.02748	1.01376	1.04527	1.05078
	P ₈	1.08946	1.08024	1.02095	1.01811	1.04408	1.0275	1.01377	1.04528	1.0508
	P ₉	1.08946	1.08025	1.02095	1.01811	1.04409	1.0275	1.01378	1.04529	1.0508
	P ₁₀	1.08946	1.08025	1.02095	1.01811	1.0441	1.0275	1.01378	1.04529	1.0508
	P ₁₁	1.08946	1.08025	1.02095	1.01811	1.0441	1.0275	1.01378	1.04529	1.0508
	P ₁₂	1.08946	1.08025	1.02095	1.01811	1.0441	1.0275	1.01378	1.04529	1.0508
	P ₁₃	1.08946	1.08025	1.02095	1.01811	1.0441	1.0275	1.01378	1.04529	1.0508
	P ₁₄	1.08946	1.08025	1.02095	1.01811	1.0441	1.0275	1.01378	1.04529	1.0508
	P ₁₅	1.08946	1.08025	1.02095	1.01811	1.0441	1.0275	1.01378	1.04529	1.0508
	P ₁₆	1.08946	1.08025	1.02095	1.01811	1.0441	1.0275	1.01378	1.04529	1.0508
	P ₁₇	1.08946	1.08025	1.02095	1.01811	1.0441	1.0275	1.01378	1.04529	1.0508
	P ₁₈	1.08946	1.08025	1.02095	1.01811	1.0441	1.0275	1.01378	1.04529	1.0508
	P ₁₉	1.08946	1.08025	1.02095	1.01811	1.0441	1.0275	1.01378	1.04529	1.0508
	P ₂₀	1.08946	1.08025	1.02095	1.01811	1.0441	1.0275	1.01378	1.04529	1.0508

Πίνακας αποτελεσμάτων 3^{ου} μοντέλου με υποτίμηση του νομίσματος 50% (συνέχεια)

	PRODUCTS (CPA)	Research and development services	Other business services	Public administrat. and defence services; compulsory social security services	Education services	Health and social work services	Sewage and refuse disposal services, sanitation and similar services	Membership organisation services n.e.c.	Recreational, cultural and sporting services	Other services	Private households with employed persons
	Τιμή	BB	BC	BD	BE	BF	BG	BH	BI	BJ	BK
Μεταβολή της τιμής από την 1 ^η επανάληψη έως την 20 ^η	P ₁	1.02663	1.02605	1.04557	1.00152	1.06639	1.02903	1.0232	1.02713	1.0188	0.0
	P ₂	1.03917	1.03973	1.05478	1.00519	1.07987	1.04055	1.0393	1.038	1.02457	0.0
	P ₃	1.04436	1.04494	1.05786	1.00672	1.08297	1.04292	1.04617	1.04242	1.02698	0.0
	P ₄	1.04614	1.04678	1.05881	1.00724	1.08397	1.04362	1.04862	1.04401	1.02777	0.0
	P ₅	1.04674	1.0474	1.05912	1.00741	1.08427	1.04384	1.04944	1.04455	1.02804	0.0
	P ₆	1.04694	1.0476	1.05922	1.00747	1.08436	1.04391	1.04971	1.04473	1.02813	0.0
	P ₇	1.047	1.04767	1.05925	1.00749	1.08439	1.04393	1.0498	1.04478	1.02815	0.0
	P ₈	1.04702	1.04769	1.05926	1.00749	1.0844	1.04394	1.04983	1.0448	1.02816	0.0
	P ₉	1.04703	1.0477	1.05926	1.00749	1.08441	1.04394	1.04984	1.04481	1.02816	0.0
	P ₁₀	1.04703	1.0477	1.05926	1.0075	1.08441	1.04394	1.04984	1.04481	1.02817	0.0
	P ₁₁	1.04703	1.0477	1.05926	1.0075	1.08441	1.04394	1.04984	1.04481	1.02817	0.0
	P ₁₂	1.04703	1.0477	1.05926	1.0075	1.08441	1.04394	1.04984	1.04481	1.02817	0.0
	P ₁₃	1.04703	1.0477	1.05926	1.0075	1.08441	1.04394	1.04984	1.04481	1.02817	0.0
	P ₁₄	1.04703	1.0477	1.05926	1.0075	1.08441	1.04394	1.04984	1.04481	1.02817	0.0
	P ₁₅	1.04703	1.0477	1.05926	1.0075	1.08441	1.04394	1.04984	1.04481	1.02817	0.0
	P ₁₆	1.04703	1.0477	1.05926	1.0075	1.08441	1.04394	1.04984	1.04481	1.02817	0.0
	P ₁₇	1.04703	1.0477	1.05926	1.0075	1.08441	1.04394	1.04984	1.04481	1.02817	0.0
	P ₁₈	1.04703	1.0477	1.05926	1.0075	1.08441	1.04394	1.04984	1.04481	1.02817	0.0
	P ₁₉	1.04703	1.0477	1.05926	1.0075	1.08441	1.04394	1.04984	1.04481	1.02817	0.0
	P ₂₀	1.04703	1.0477	1.05926	1.0075	1.08441	1.04394	1.04984	1.04481	1.02817	0.0

6.7 Δείκτες συνολικού πληθωρισμού Για Ποσοστό Υποτίμησης, 15% Και 50%

Στο σημείο αυτό για να έχουμε μία καλύτερη εικόνα του πληθωριστικού κύματος που δημιουργείται στο δεύτερο μοντέλο λόγω της υποτίμησης του νομίσματος υπολογίζουμε τους δείκτες συνολικού πληθωρισμού (ΣΣΔΠ)⁴⁴ για τα ποσοστά υποτίμησης 15% και 50%. Για να υπολογίσουμε τους δείκτες συνολικού πληθωρισμού πρέπει να κάνουμε αρχικά τους εξής υπολογισμούς:

1^ο πολλαπλασιάζουμε την τιμή P κάθε κλάδου της οικονομίας με την εγχώρια παραγωγή κάθε κλάδου (έχουμε 59 τιμές και 59 κλάδους άρα θα υπολογίσουμε 59 γινόμενα ένα για κάθε κλάδο).

Όπου : P οι τιμές P_1, P_2, P_3, P_4, P_5 που βρήκαμε στην ενότητα 6.5.2 και 6.6.2 και $P_0 = 1$ ⁴⁵.

2^ο προσθέτουμε τα 59 γινόμενα που υπολογίσαμε και βρίσκουμε τη αξία συνολικής παραγωγής για τις χρονικές περιόδους 0,1,2,3,4 και 5 αντίστοιχα με τα $P_0, P_1, P_2, P_3, P_4, P_5$.

Τώρα είμαστε έτοιμοι να υπολογίσουμε τους δείκτες συνολικού πληθωρισμού για ποσοστό υποτίμησης 15% και 50%.

⁴⁴ Θα υπολογίσουμε πέντε δείκτες πληθωρισμού που αντιστοιχούν σε πέντε έτη και αυτό γιατί πέρα από τα πέντε χρόνια πρακτικά οι δείκτες δεν έχουν νόημα. (Μετά από πέντε έτη θα έχουμε τεχνολογικές μεταβολές, μεταβολές στην κατανομή του εισοδήματος, υποκαταστάσεις εισαγωγών-εξαγωγών κ.λπ., οπότε το υπόδειγμα χάνει την όποια αξιοπιστία του).

⁴⁵ $P_0 = 1$ επειδή έχουμε θεωρήσει ως φυσική μονάδα μέτρησης κάθε εμπορεύματος εκείνη την ποσότητά του, της οποίας η αγοραία αξία (η τιμή αγοράς) ισούται με 1 νομισματική μονάδα.

6.7.1 Δείκτες συνολικού πληθωρισμού για ποσοστό υποτίμησης 15%

Μετά από τους υπολογισμούς (βλέπε αναλυτικά στη σελίδα 109) που έγιναν σύμφωνα με την ενότητα 6.7 είμαστε σε θέση να αναφέρουμε ότι οι αξίες συνολικής παραγωγής με υποτίμηση 15% για τις χρονικές περιόδους 0,1,2,3,4,5 είναι οι εξής :

Αξία συνολικής παραγωγής (ΑΣΠ)	
Συνολική αξία παραγωγής την P ₀ περίοδο	87963,148700363500
Συνολική αξία παραγωγής την P ₁ περίοδο	89458,871810396000
Συνολική αξία παραγωγής την P ₂ περίοδο	89978,081888761900
Συνολική αξία παραγωγής την P ₃ περίοδο	90152,354879572500
Συνολική αξία παραγωγής την P ₄ περίοδο	90209,393438600000
Συνολική αξία παραγωγής την P ₅ περίοδο	90227,351689166500

Έτσι οι δείκτες συνολικού πληθωρισμού βάση των υπολογισμών (βλέπε αναλυτικά σελίδα 109) είναι οι εξής:

Περίοδος δείκτη συνολικού πληθωρισμού (ΣΣΔΠ)	$\Sigma\Sigma\Delta\Pi = \frac{[\text{ΑΣΠ περιόδου } t+1 - \text{ΑΣΠ περιόδου } t]}{\text{ΑΣΠ περιόδου } t}$	ΣΣΔΠ σε ποσοστό (%)
Δείκτης συνολικού πληθωρισμού την πρώτη περίοδο	0,01700397419	1,70%
Δείκτης συνολικού πληθωρισμού την δεύτερη περίοδο	0,00580389701	0,58%
Δείκτης συνολικού πληθωρισμού την τρίτη περίοδο	0,00193683825	0,19%
Δείκτης συνολικού πληθωρισμού την τέταρτη περίοδο	0,00063269073	0,06%
Δείκτης συνολικού πληθωρισμού την πέμπτη περίοδο	0,00019907296	0,001%

6.7.2 Δείκτες συνολικού πληθωρισμού για ποσοστό υποτίμησης 50%

Μετά από τους υπολογισμούς (βλέπε αναλυτικά στη σελίδα 109) που έγιναν σύμφωνα με την ενότητα 6.7 είμαστε σε θέση να αναφέρουμε ότι οι αξίες συνολικής παραγωγής με υποτίμηση 50% για τις χρονικές περιόδους 0,1,2,3,4,5 είναι οι εξής :

Αξία συνολικής παραγωγής (ΑΣΠ)	
Συνολική αξία παραγωγής την P ₀ περίοδο	87963,148700363500
Συνολική αξία παραγωγής την P ₁ περίοδο	92948,979808752700
Συνολική αξία παραγωγής την P ₂ περίοδο	94679,984103232100
Συνολική αξία παραγωγής την P ₃ περίοδο	95260,362003329800
Συνολική αξία παραγωγής την P ₄ περίοδο	95450,434828118700
Συνολική αξία παραγωγής την P ₅ περίοδο	95510,636067131700

Έτσι οι δείκτες συνολικού πληθωρισμού βάση των υπολογισμών (βλέπε αναλυτικά σελίδα 109) είναι οι εξής:

Περίοδος δείκτη συνολικού πληθωρισμού (ΣΣΔΠ)	$\Sigma\Sigma\Delta\Pi = [\text{ΑΣΠ περιόδου } t+1 - \text{ΑΣΠ περιόδου } t] / \text{ΑΣΠ περιόδου } t$	ΣΣΔΠ σε ποσοστό (%)
Δείκτης συνολικού πληθωρισμού την πρώτη περίοδο	0,05668090765	5,66%
Δείκτης συνολικού πληθωρισμού την δεύτερη περίοδο	0,01862316615	1,86%
Δείκτης συνολικού πληθωρισμού την τρίτη περίοδο	0,00612989013	0,61%
Δείκτης συνολικού πληθωρισμού την τέταρτη περίοδο	0,00199529816	0,199%
Δείκτης συνολικού πληθωρισμού την πέμπτη περίοδο	0,00063070681	0,06%

ΣΣΔΠ3

7. Ιδιοτιμές & Δείκτες Ταχύτητας Σύγκλισης

Πέρα την ανάλυση των τριών μοντέλων και τον προσδιορισμό του τρόπου μετάδοσης της αύξησης του επιπέδου τιμών των εμπορευμάτων λόγω της υποτίμησης του νομίσματος κατά 15% και 50% που είδαμε στα κεφάλαια 4, 5 και 6 σημαντικές πληροφορίες μπορούμε να εκμαιεύσουμε από μια σειρά εργαλείων όπως είναι: οι ιδιοτιμές, οι δείκτες ταχύτητας σύγκλισης και οι «ομαλοποιημένες» ιδιοτιμές. Για αυτό το λόγο σ' αυτό το κεφάλαιο θα ασχοληθούμε με τον υπολογισμό των εν λόγω εργαλείων.

7.1 Υπολογισμός Ιδιοτιμών

Οι μήτρες που μας ενδιαφέρουν για τον υπολογισμό των ιδιοτιμών είναι τρεις⁴⁶:

- Η μήτρα εγχώριας παραγωγής M1
- Η μήτρα αθροίσματος εγχώριας παραγωγής M1 + K
- Η μήτρας που σχηματίζουν από την (εγχώριας παραγωγής M2 + B + F)*(R)

Το mathematica υπολογίζει με την εντολή Eigenvalues[όνομα μήτρας] τις ιδιοτιμές και τις εμφανίζει από τη μεγαλύτερη προς τη μικρότερη. Η τιμή της ιδιοτιμής πρέπει να είναι πάντα μικρότερη της μονάδας (τιμή ιδιοτιμής < 1). Επίσης, όσο μεγαλύτερη είναι η μέγιστη ιδιοτιμή της μήτρας τόσο μεγαλύτερος είναι ο χρόνος που απαιτείται για να προσεγγίσει το σύστημα τιμών την τελική τιμή του και συνεπώς τόσο μικρότερο είναι το «σοκ» που δέχεται το σύστημα από την υποτίμηση (από την άποψη της αύξησης του «κόστους» παραγωγής)⁴⁷.

Ο υπολογισμός αυτών των ιδιοτιμών θα μας βοηθήσει να υπολογίσουμε τους δείκτες ταχύτητας σύγκλισης των τιμών στο τελικό διάνυσμα τιμών και τις «ομαλοποιημένες» ιδιοτιμές.

⁴⁶ Μαριόλης Θεόδωρος – Οικονομίδης Χαράλαμπος – Σταμάτης Γιώργος – Φουστέρης Νίκος, 1997, Ποσοτική εκτίμηση των επιπτώσεων της υποτίμησης στο «κόστος» παραγωγής, Αθήνα, Εκδόσεις «Κριτική», σελ.35 - 41

⁴⁷ Μαριόλης Θεόδωρος – Οικονομίδης Χαράλαμπος – Σταμάτης Γιώργος – Φουστέρης Νίκος, 1997, Ποσοτική εκτίμηση των επιπτώσεων της υποτίμησης στο «κόστος» παραγωγής, Αθήνα, Εκδόσεις «Κριτική», σελ.41

7.1.1 Ιδιοτιμές μήτρας : εγχώριας παραγωγής M1

Για να υπολογίσουμε τις ιδιοτιμές της μήτρας «εγχώρια παραγωγή M1» κάνουμε τα εξής :

- α) εισάγουμε τη μήτρα εγχώρια παραγωγή M1(σελίδα 20) στο mathematica και
- β) χρησιμοποιούμε την εντολή Eigenvalues[όνομα μήτρας]

Έτσι αν «τρέξουμε» το πρόγραμμα έχουμε τις παρακάτω ιδιοτιμές (όπου $i \equiv \sqrt{-1}$).

Πίνακας ιδιοτιμών μήτρας εγχώριας παραγωγής M1		
	Ιδιοτιμή	
1 ^η	0.321697	
2 ^η	0.249328	
3 ^η	0.167487 +0.00291732 i	0.167487 -0.00291732 i
4 ^η	0.157003	
5 ^η	0.105572	
6 ^η	0.100061	
7 ^η	0.0868586 +0.027817 i	0.0868586 -0.027817 i
8 ^η	0.0776878	
9 ^η	-0.0776021	
10 ^η	0.0750952 +0.0131405 i	0.0750952 -0.0131405 i
11 ^η	0.0669626	
12 ^η	0.0644622	
13 ^η	0.0533983 +0.010458 i	0.0533983 -0.010458 i
14 ^η	0.0249071 +0.0459938 i	0.0249071 -0.0459938 i
15 ^η	-0.0198617+0.0459104 i	-0.0198617-0.0459104 i
16 ^η	0.0472569	
17 ^η	0.0439259 +0.0131953 i	0.0439259 -0.0131953 i
18 ^η	0.0210046 +0.037344 i	0.0210046 -0.037344 i
19 ^η	0.0351885 +0.00578462 i	0.0351885 -0.00578462 i
20 ^η	-0.0322261	
21 ^η	0.0319649	
22 ^η	0.0301203	
23 ^η	-0.00970158+0.0265003 i	-0.00970158-0.0265003 i
24 ^η	0.0251926 +0.00177218 i	0.0251926 -0.00177218 i
25 ^η	0.0224658	
26 ^η	0.0203444	

27^η	0.0147124 +0.00578071 ì	0.0147124 -0.00578071 ì
28^η	0.0154909	
29^η	-0.00826021+0.00769815 ì	-0.00826021-0.00769815 ì
30^η	-0.0106592+0.000716457 ì	-0.0106592-0.000716457 ì
31^η	0.00578565 +0.0050474 ì	0.00578565 -0.0050474 ì
32^η	-0.00562812	
33^η	0.00313441 +0.00116785 ì	0.00313441 -0.00116785 ì
34^η	0.00330219	
35^η	-0.00270523	
36^η	0.00194147 +0.000234256 ì	0.00194147 -0.000234256 ì
37^η	0.00138974	
38^η	-0.000169761	
39^η	-0.0000515009	
40^η	0.	
41^η	0.	
42^η	0.	

7.1.2 Ιδιοτιμές μήτρας : εγχώρια παραγωγής M1 + K

Για να υπολογίσουμε τις ιδιοτιμές του αθροίσματος των μητρών «εγχώρια παραγωγή M1 + K» κάνουμε τα εξής :

α) εισάγουμε τη μήτρα εγχώρια παραγωγή M1(σελίδα 20) και την διαγώνια μήτρα K⁴⁸ (σελίδα 24) στο mathematica

β) προσθέτουμε τις μήτρες και δημιουργούμε μία νέα. Η νέα αυτή μήτρα υπάρχει πίσω στο Γ.1 Παράρτημα (σελίδα 332)

και

γ) χρησιμοποιούμε την εντολή Eigenvalues[όνομα μήτρας]

Έτσι αν «τρέξουμε» το πρόγραμμα έχουμε τις παρακάτω ιδιοτιμές (όπου $i \equiv \sqrt{-1}$).

Πίνακας ιδιοτιμών εγχώρια παραγωγής M1 + K		
	Ιδιοτιμή	
1 ^η	0.948878	
2 ^η	0.90767	
3 ^η	0.880282	
4 ^η	0.831951	
5 ^η	0.819611	
6 ^η	0.811452	
7 ^η	0.793519 +0.0120074 i	0.793519 -0.0120074 i
8 ^η	0.766784 +0.000183346 i	0.766784 -0.000183346 i
9 ^η	0.747974	
10 ^η	0.73476	
11 ^η	0.705639 +0.00310921 i	0.705639 -0.00310921 i
12 ^η	0.694402	
13 ^η	0.689488 +0.0165342 i	0.689488 -0.0165342 i
14 ^η	0.667729	
15 ^η	0.662834	
16 ^η	0.635713	

⁴⁸ Στη διαγώνια μήτρα K το στοιχείο στην τελευταία στήλη και τελευταία σειρά από μονάδα το μηδενίζουμε γιατί αν παρατηρήσουμε στη στήλη Private households with employed persons όλες οι εισροές είναι μηδέν εκτός από την προστιθέμενη αξία που είναι ίση με την εκροή. Αν δεν μηδενίσουμε το τελευταίο στοιχείο της διαγώνιας μήτρας K της στήλης Private households with employed persons θα μας εμφανιστεί η μέγιστη ιδιοτιμή ίση με τη μονάδα

17^η	0.617666 +0.0118896 $\dot{ı}$	0.617666 -0.0118896 $\dot{ı}$
18^η	0.593902 +0.0173153 $\dot{ı}$	0.593902 -0.0173153 $\dot{ı}$
19^η	0.580089	
20^η	0.574896 +0.00182207 $\dot{ı}$	0.574896 -0.00182207 $\dot{ı}$
21^η	0.567949 +0.0122009 $\dot{ı}$	0.567949 -0.0122009 $\dot{ı}$
22^η	0.566924	
23^η	0.53453	
24^η	0.52897	
25^η	0.520623	
26^η	0.504961 +0.0254492 $\dot{ı}$	0.504961 -0.0254492 $\dot{ı}$
27^η	0.500166	
28^η	0.491181	
29^η	0.479844	
30^η	0.468975	
31^η	0.462529 +0.00466365 $\dot{ı}$	0.462529 -0.00466365 $\dot{ı}$
32^η	0.45826	
33^η	0.456449	
34^η	0.449674	
35^η	0.444263	
36^η	0.431152 +0.00155238 $\dot{ı}$	0.431152 -0.00155238 $\dot{ı}$
37^η	0.407219	
38^η	0.394874 +0.0190911 $\dot{ı}$	0.394874 -0.0190911 $\dot{ı}$
39^η	0.393263 +0.00834392 $\dot{ı}$	0.393263 -0.00834392 $\dot{ı}$
40^η	0.39315	
41^η	0.384989	
42^η	0.379178	
43^η	0.236231	
44^η	0.197693	
45^η	0.	
46^η	0.	

7.1.3 Ιδιοτιμές μήτρας (εγχώριας παραγωγής M2 + B + F)*(R)

Για να υπολογίσουμε τις ιδιοτιμές της μήτρας που δημιουργείται μετά από τις πράξεις των παρενθέσεων (εγχώριας παραγωγής M2 + B + F)*(R) κάνουμε τα εξής :

α) εισάγουμε τη μήτρα εγχώρια παραγωγή M2 (σελίδα 51) και τις διαγώνιες μήτρες B, F και R (σελίδα 55, 57, και 61 αντίστοιχα) στο mathematica

β) προσθέτουμε τις μήτρες εγχώρια παραγωγή M2, B, F, το άθροισμα τους το πολλαπλασιάζουμε με τη μήτρα R και δημιουργούμε μία νέα μήτρα (59x59). Η νέα αυτή μήτρα υπάρχει πίσω στο Γ.2 Παράρτημα (σελίδα 344)

γ) χρησιμοποιούμε την εντολή Eigenvalues[όνομα μήτρας]

Έτσι αν «τρέξουμε» το πρόγραμμα έχουμε τις παρακάτω ιδιοτιμές (όπου $i \equiv \sqrt{-1}$).

Πίνακας ιδιοτιμών : (εγχώριας παραγωγής M2 + B + F)*(R)		
	Ιδιοτιμή	
1 ^η	0.893078	
2 ^η	0.715366	
3 ^η	0.648343	
4 ^η	0.592049	
5 ^η	0.537502	
6 ^η	0.487722	
7 ^η	0.455068	
8 ^η	0.419081	
9 ^η	0.401212	
10 ^η	0.372033	
11 ^η	0.357757 +0.00912143 i	0.357757 -0.00912143 i
12 ^η	0.346099	
13 ^η	0.304508 +0.0695242 i	0.304508 -0.0695242 i
14 ^η	0.309615	
15 ^η	0.302478	
16 ^η	0.264546	
17 ^η	0.261107 +0.0319948 i	0.261107 -0.0319948 i
18 ^η	0.260298 +0.0142558 i	0.260298 -0.0142558 i

19^η	0.254786	
20^η	0.251052	
21^η	0.233339 +0.0451426 $\dot{ı}$	0.233339 -0.0451426 $\dot{ı}$
22^η	0.21077	
23^η	0.194997 +0.00965896 $\dot{ı}$	0.194997 -0.00965896 $\dot{ı}$
24^η	0.184688	
25^η	0.170293 +0.0565765 $\dot{ı}$	0.170293 -0.0565765 $\dot{ı}$
26^η	0.179283	
27^η	0.171492 +0.00030102 $\dot{ı}$	0.171492 -0.00030102 $\dot{ı}$
28^η	0.163643	
29^η	0.162086 +0.0190081 $\dot{ı}$	0.162086 -0.0190081 $\dot{ı}$
30^η	0.151303 +0.00182029 $\dot{ı}$	0.151303 -0.00182029 $\dot{ı}$
31^η	0.142588 +0.0466494 $\dot{ı}$	0.142588 -0.0466494 $\dot{ı}$
32^η	0.147376	
33^η	0.142157	
34^η	0.1374 +0.00473805 $\dot{ı}$	0.1374 -0.00473805 $\dot{ı}$
35^η	0.132546 +0.00187224 $\dot{ı}$	0.132546 -0.00187224 $\dot{ı}$
36^η	0.129577	
37^η	0.11051	
38^η	0.109705	
39^η	0.0941228 +0.0427754 $\dot{ı}$	0.0941228 -0.0427754 $\dot{ı}$
40^η	0.0769322	
41^η	0.0684376 +0.021371 $\dot{ı}$	0.0684376 -0.021371 $\dot{ı}$
42^η	0.0473462	
43^η	0.	
44^η	0.	

7.2 Δείκτες Ταχύτητας Σύγκλισης Στο Τελικό Διάνυσμα Τιμών

Αφού υπολογίσαμε τις ιδιοτιμές της μήτρας : α) εγχώριας παραγωγής M1, β) εγχώριας παραγωγής M1 + K και γ) (εγχώριας παραγωγής M2 + B + F)*(R) σε αυτή την ενότητα θα υπολογιστούν για τις ίδιες μήτρες οι δείκτες ταχύτητας σύγκλισης των. Για να γίνει αυτό πρώτα πρέπει να υπολογίσουμε το μέτρο της κάθε ιδιοτιμής. Αφού υπολογιστούν τα μέτρα όλων των ιδιοτιμών διαιρούμε αυτά με το μέγιστο μέτρο⁴⁹. Αυτός είναι ο ζητούμενος δείκτης ταχύτητας σύγκλισης που μας δείχνει πόσο γρήγορα συγκλίνουν οι τιμές των εμπορευμάτων στο τελικό διάνυσμα τιμών.

7.2.1 Δείκτη ταχύτητας σύγκλισης μήτρας εγχώριας παραγωγής M1

Πίνακας δείκτη ταχύτητας σύγκλισης μήτρας εγχώριας παραγωγής M1			
	Ιδιοτιμές	Μέτρο (modulus)	Δείκτης ταχύτητας σύγκλισης στο τελικό διάνυσμα τιμών
1 ^η	0.321697	$\sqrt{0.321697^2} = 0.321697$	$0.321697/0.321697 = 1$
2 ^η	0.249328	$\sqrt{0.249328^2} = 0.249328$	$0.249328/0.321697 = 0.77504$
3 ^η	0.167487 + 0.00291732 i 0.167487 - 0.00291732 i	$\sqrt{(0.167487^2 + 0.00291732^2)} = 0.1675$	$0.1675/0.321697 = 0.5206$
4 ^η	0.157003	$\sqrt{0.157003^2} = 0.157003$	$0.157003/0.321697 = 0.48804$
5 ^η	0.105572	$\sqrt{0.105572^2} = 0.105572$	$0.105572/0.321697 = 0.32817$
6 ^η	0.100061	$\sqrt{0.100061^2} = 0.100061$	$0.100061/0.321697 = 0.31104$
7 ^η	0.0868586 + 0.027817 i 0.0868586 - 0.027817 i	$\sqrt{(0.0868586^2 + 0.027817^2)} = 0.09116$	$0.09116/0.321697 = 0.28337$
8 ^η	0.0776878	$\sqrt{0.0776878^2} = 0.0776878$	$0.0776878/0.321697 = 0.24149$
9 ^η	-0.0776021	$\sqrt{-0.0776021^2} = 0.0776021$	$0.0776021/0.321697 = 0.241227$
10 ^η	0.0750952 + 0.0131405 i 0.0750952 - 0.0131405 i	$\sqrt{(0.0750952^2 + 0.0131405^2)} = 0.07615$	$0.07615/0.321697 = 0.2367$
11 ^η	0.0669626	$\sqrt{0.0669626^2} = 0.0669626$	$0.0669626/0.321697 = 0.20815$
12 ^η	0.0644622	$\sqrt{0.0644622^2} = 0.0644622$	$0.0644622/0.321697 = 0.20038$
13 ^η	0.0533983 + 0.010458 i 0.0533983 - 0.010458 i	$\sqrt{(0.0533983^2 + 0.010458^2)} = 0.0544$	$0.0544/0.321697 = 0.1691$
14 ^η	0.0249071 + 0.0459938 i 0.0249071 - 0.0459938 i	$\sqrt{(0.0249071^2 + 0.0459938^2)} = 0.05225$	$0.05225/0.321697 = 0.1624$
15 ^η	-0.0198617 + 0.0459104 i -0.0198617 - 0.0459104 i	$\sqrt{(-0.0198617^2 + 0.0459104^2)} = 0.0499$	$0.0499/0.321697 = 0.1551$
16 ^η	0.0472569	$\sqrt{0.0472569^2} = 0.0472569$	$0.0472569/0.321697 = 0.14689$
17 ^η	0.0439259 + 0.0131953 i	$\sqrt{(0.0439259^2 + 0.0131953^2)}$	$0.0458/0.321697 = 0.14245$

⁴⁹ G. James and V. Rumchev, (2005), Stability of Positive Linear Discrete-time Systems, Bulletin of the Polish Academy of Sciences, Technical Sciences, Vol. 53, No. 1, page 6

	0.0439259 -0.0131953 $\dot{ı}$	=0.0458	
18 ^η	0.0210046 +0.037344 $\dot{ı}$ 0.0210046 -0.037344 $\dot{ı}$	$\sqrt{(0.0210046^2 + 0.037344^2)} =$ 0.04277	0.04277/0.321697 = 0.1329
19 ^η	0.0351885 +0.00578462 $\dot{ı}$ 0.0351885 -0.00578462 $\dot{ı}$	$\sqrt{(0.0351885^2 + 0.00578462^2)} =$ 0.03565	0.03565/0.321697 = 0.1108
20 ^η	-0.0322261	$\sqrt{-0.0322261^2} = 0.0322261$	0.0322261/0.321697 = 0.10017
21 ^η	0.0319649	$\sqrt{0.0319649^2} = 0.0319649$	0.0319649/0.321697 = 0.09936
22 ^η	0.0301203	$\sqrt{0.0301203^2} = 0.0301203$	0.0301203/0.321697 = 0.09363
23 ^η	-0.00970158+0.0265003 $\dot{ı}$ -0.00970158-0.0265003 $\dot{ı}$	$\sqrt{(-0.00970158^2 + 0.0265003^2)} =$ 0.02811	0.02811/0.321697 = 0.0873
24 ^η	0.0251926 +0.00177218 $\dot{ı}$ 0.0251926 -0.00177218 $\dot{ı}$	$\sqrt{0.0251926^2 + 0.00177218^2} =$ 0.02516	0.02516/0.321697 = 0.0782
25 ^η	0.0224658	$\sqrt{0.0224658^2} = 0.0224658$	0.0224658/0.321697 = 0.0698
26 ^η	0.0203444	$\sqrt{0.0203444^2} = 0.0203444$	0.0203444/0.321697 = 0.0632
27 ^η	0.0147124 +0.00578071 $\dot{ı}$ 0.0147124 -0.00578071 $\dot{ı}$	$\sqrt{(0.0147124^2 + 0.00578071^2)} =$ 0.01579	0.01579/0.321697 = 0.04909
28 ^η	0.0154909	$\sqrt{0.0154909^2} = 0.0154909$	0.0154909/0.321697 = 0.04815
29 ^η	-0.00826021+0.00769815 $\dot{ı}$ -0.00826021-0.00769815 $\dot{ı}$	$\sqrt{(-0.00826021^2 + 0.00769815^2)} =$ 0.01128	0.01128/0.321697 = 0.03506
30 ^η	-0.0106592+0.000716457 $\dot{ı}$ -0.0106592-0.000716457 $\dot{ı}$	$\sqrt{(-0.0106592^2 + 0.000716457^2)} =$ 0.01063	0.01063/0.321697 = 0.03304
31 ^η	0.00578565 +0.0050474 $\dot{ı}$ 0.00578565 -0.0050474 $\dot{ı}$	$\sqrt{(0.00578565^2 + 0.0050474^2)} =$ 0.007647	0.007647/0.321697 = 0.02377
32 ^η	-0.00562812	$\sqrt{-0.00562812^2} = 0.00562812$	0.00562812/0.321697 = 0.017495
33 ^η	0.00313441 +0.00116785 $\dot{ı}$ 0.00313441 -0.00116785 $\dot{ı}$	$\sqrt{(0.00313441^2 + 0.00116785^2)} =$ 0.003341	0.003341/0.321697 = 0.01038
34 ^η	0.00330219	$\sqrt{0.00330219^2} = 0.00330219$	0.00330219/0.321697 = 0.01026
35 ^η	-0.00270523	$\sqrt{-0.00270523^2} = 0.00270523$	0.00270523/0.321697 = 0.008409
36 ^η	0.00194147 +0.000234256 $\dot{ı}$ 0.00194147 -0.000234256 $\dot{ı}$	$\sqrt{(0.00194147^2 + 0.000234256^2)}$ = 0.001955	0.001955/0.321697 = 0.00607
37 ^η	0.00138974	$\sqrt{0.00138974^2} = 0.00138974$	0.00138974/0.321697 = 0.00432
38 ^η	-0.000169761	$\sqrt{-0.000169761^2} = 0.000169761$	0.000169761/0.321697 = 0.000527
39 ^η	-0.0000515009	$\sqrt{-0.0000515009^2} =$ 0.0000515009	0.0000515009/0.321697 = 0.00016
40 ^η	0.	0.	0.
41 ^η	0.	0.	0.
42 ^η	0.	0.	0.

7.2.2 Δείκτη ταχύτητας σύγκλισης μήτρας εγχώριας παραγωγής M1 + K

Πίνακας δείκτη ταχύτητας σύγκλισης μήτρας εγχώριας παραγωγής M1+ K			
	Ιδιοτιμές	Μέτρο modulus	Δείκτης ταχύτητας σύγκλισης στο τελικό διάνυσμα τιμών
1^η	0.948878	$\sqrt{0.948878^2} = 0.948878$	0.948878/0.948878= 1
2^η	0.90767	$\sqrt{0.90767^2} = 0.90767$	0.90767/0.948878 = 0.95657
3^η	0.880282	$\sqrt{0.880282^2} = 0.880282$	0.880282/0.948878= 0.9277
4^η	0.831951	$\sqrt{0.831951^2} = 0.831951$	0.831951/0.948878=0.87677
5^η	0.819611	$\sqrt{0.819611^2} = 0.819611$	0.819611/0.948878= 0.86377
6^η	0.811452	$\sqrt{0.811452^2} = 0.811452$	0.811452/0.948878= 0.85517
7^η	0.793519 +0.0120074 i 0.793519 -0.0120074 i	$\sqrt{(0.793519^2 + 0.0120074^2)} = 0.7936$	0.7936/0.948878= 0.83636
8^η	0.766784 +0.000183346 i 0.766784 -0.000183346 i	$\sqrt{(0.766784^2 + 0.000183346^2)} = 0.76678$	0.76678/0.948878= 0.80809
9^η	0.747974	$\sqrt{0.747974^2} = 0.747974$	0.747974/0.948878= 0.78827
10^η	0.73476	$\sqrt{0.73476^2} = 0.73476$	0.73476/0.948878= 0.77434
11^η	0.705639 +0.00310921 i 0.705639 -0.00310921 i	$\sqrt{(0.705639^2 + 0.00310921^2)} = 0.70564$	0.70564/0.948878= 0.74366
12^η	0.694402	$\sqrt{0.694402^2} = 0.694402$	0.694402/0.948878= 0.7318
13^η	0.689488 +0.0165342 i 0.689488 -0.0165342 i	$\sqrt{(0.689488^2 + 0.0165342^2)} = 0.68968$	0.68968/0.948878= 0.7268
14^η	0.667729	$\sqrt{0.667729^2} = 0.667729$	0.667729/0.948878= 0.7037
15^η	0.662834	$\sqrt{0.662834^2} = 0.662834$	0.662834/0.948878= 0.96854
16^η	0.635713	$\sqrt{0.635713^2} = 0.635713$	0.635713/0.948878= 0.66996
17^η	0.617666 +0.0118896 i 0.617666 -0.0118896 i	$\sqrt{(0.617666^2 + 0.0118896^2)} = 0.6177$	0.6177/0.948878= 0.65106
18^η	0.593902 +0.0173153 i 0.593902 -0.0173153 i	$\sqrt{(0.593902^2 + 0.0173153^2)} = 0.59415$	0.59415/0.948878= 0.62616
19^η	0.580089	$\sqrt{0.580089^2} = 0.580089$	0.580089/0.948878= 0.61134
20^η	0.574896 +0.00182207 i 0.574896 -0.00182207 i	$\sqrt{(0.574896^2 + 0.00182207^2)} = 0.57489$	0.57489/0.948878= 0.60586
21^η	0.567949 +0.0122009 i 0.567949 -0.0122009 i	$\sqrt{(0.567949^2 + 0.0122009^2)} = 0.56807$	0.56807/0.948878= 0.59868
22^η	0.566924	$\sqrt{0.566924^2} = 0.566924$	0.566924/0.948878= 0.59746
23^η	0.53453	$\sqrt{0.53453^2} = 0.53453$	0.53453/0.948878= 0.56332
24^η	0.52897	$\sqrt{0.52897^2} = 0.52897$	0.52897/0.948878= 0.55746
25^η	0.520623	$\sqrt{0.520623^2} = 0.520623$	0.520623/0.948878= 0.54867
26^η	0.504961 +0.0254492 i 0.504961 -0.0254492 i	$\sqrt{(0.504961^2 + 0.0254492^2)} = 0.50559$	0.50559/0.948878= 0.5328
27^η	0.500166	$\sqrt{0.500166^2} = 0.500166$	0.500166/0.948878= 0.5271

28ⁿ	0.491181	$\sqrt{0.491181^2} = 0.491181$	$0.491181/0.948878 = 0.51764$
29ⁿ	0.479844	$\sqrt{0.479844^2} = 0.479844$	$0.479844/0.948878 = 0.50569$
30ⁿ	0.468975	$\sqrt{0.468975^2} = 0.468975$	$0.468975/0.948878 = 0.4942$
31ⁿ	0.462529 +0.00466365 $\dot{ı}$ 0.462529 -0.00466365 $\dot{ı}$	$\sqrt{(0.462529^2 + 0.00466365^2)} =$ 0.462549	$0.462549/0.948878 =$ 0.487469
32ⁿ	0.45826	$\sqrt{0.45826^2} = 0.45826$	$0.45826/0.948878 = 0.482949$
33ⁿ	0.456449	$\sqrt{0.456449^2} = 0.456449$	$0.456449/0.948878 = 0.48104$
34ⁿ	0.449674	$\sqrt{0.449674^2} = 0.449674$	$0.449674/0.948878 = 0.4739$
35ⁿ	0.444263	$\sqrt{0.444263^2} = 0.444263$	$0.444263/0.948878 =$ 0.468198
36ⁿ	0.431152 +0.00155238 $\dot{ı}$ 0.431152 -0.00155238 $\dot{ı}$	$\sqrt{(0.431152^2 + 0.00155238^2)} =$ 0.431152	$0.431152/0.948878 = 0.45438$
37ⁿ	0.407219	$\sqrt{0.407219^2} = 0.407219$	$0.407219/0.948878 =$ 0.429158
38ⁿ	0.394874 +0.0190911 $\dot{ı}$ 0.394874 -0.0190911 $\dot{ı}$	$\sqrt{(0.394874^2 + 0.0190911^2)} =$ 0.39533	$0.39533/0.948878 = 0.416627$
39ⁿ	0.393263 +0.00834392 $\dot{ı}$ 0.393263 -0.00834392 $\dot{ı}$	$\sqrt{(0.393263^2 + 0.00834392^2)} =$ 0.39334	$0.39334/0.948878 = 0.41453$
40ⁿ	0.39315	$\sqrt{0.39315^2} = 0.39315$	$0.39315/0.948878 = 0.41433$
41ⁿ	0.384989	$\sqrt{0.384989^2} = 0.384989$	$0.384989/0.948878 = 0.40573$
42ⁿ	0.379178	$\sqrt{0.379178^2} = 0.379178$	$0.379178/0.948878 = 0.3996$
43ⁿ	0.236231	$\sqrt{0.236231^2} = 0.236231$	$0.236231/0.948878 =$ 0.248958
44ⁿ	0.197693	$\sqrt{0.197693^2} = 0.197693$	$0.197693/0.948878 = 0.20834$
45ⁿ	0.	0	0
46ⁿ	0.	0	0

7.2.3 Δείκτη ταχύτητας σύγκλισης μήτρας (εγχώριας παραγωγής M2 + B + F)*(R)

Πίνακας δείκτη ταχύτητας σύγκλισης (εγχώριας παραγωγής M2 + B + F)*(R)			
	Ιδιοτιμές	Μέτρο modulus	Δείκτης ταχύτητας σύγκλισης στο τελικό διάνυσμα τιμών
1^η	0.893078	$\sqrt{0.893078^2}=0.893078$	$0.893078/0.893078 = 1$
2^η	0.715366	$\sqrt{0.715366^2}=0.715366$	$0.715366/0.893078 = 0.80101$
3^η	0.648343	$\sqrt{0.648343^2}=0.648343$	$0.648343/0.893078 = 0.72596$
4^η	0.592049	$\sqrt{0.592049^2}=0.592049$	$0.592049/0.893078 = 0.66293$
5^η	0.537502	$\sqrt{0.537502^2}=0.537502$	$0.537502/0.893078 = 0.60185$
6^η	0.487722	$\sqrt{0.487722^2}=0.487722$	$0.487722/0.893078 = 0.54611$
7^η	0.455068	$\sqrt{0.455068^2}=0.455068$	$0.455068/0.893078 = 0.50955$
8^η	0.419081	$\sqrt{0.419081^2}=0.419081$	$0.419081/0.893078 = 0.46925$
9^η	0.401212	$\sqrt{0.401212^2}=0.401212$	$0.401212/0.893078 = 0.44924$
10^η	0.372033	$\sqrt{0.372033^2}=0.372033$	$0.372033/0.893078 = 0.41657$
11^η	0.357757 +0.00912143 i 0.357757 -0.00912143 i	$\sqrt{(0.357757^2 +0.00912143^2)} =$ 0.35787	$0.35787/0.893078 = 0.4007$
12^η	0.346099	$\sqrt{0.346099^2}=0.346099$	$0.346099/0.893078 = 0.3875$
13^η	0.304508 +0.0695242 i 0.304508 -0.0695242 i	$\sqrt{(0.304508^2 +0.0695242^2)}=$ 0.31234	$0.31234/0.893078 = 0.349738$
14^η	0.309615	$\sqrt{0.309615^2}=0.309615$	$0.309615/0.893078 = 0.34668$
15^η	0.302478	$\sqrt{0.302478^2}=0.302478$	$0.302478/0.893078 = 0.33869$
16^η	0.264546	$\sqrt{0.264546^2}=0.264546$	$0.264546/0.893078 = 0.296218$
17^η	0.261107 +0.0319948 i 0.261107 -0.0319948 i	$\sqrt{(0.261107^2 +0.0319948^2)} =$ 0.263045	$0.263045/0.893078 = 0.2945$
18^η	0.260298 +0.0142558 i 0.260298 -0.0142558 i	$\sqrt{(0.260298^2 +0.0142558^2)} =$ 0.2606879	$0.2606879/0.893078 = 0.291898$
19^η	0.254786	$\sqrt{0.254786^2}=0.254786$	$0.254786/0.893078 = 0.285289$
20^η	0.251052	$\sqrt{0.251052^2}=0.251052$	$0.251052/0.893078 = 0.281108$
21^η	0.233339 +0.0451426 i 0.233339 -0.0451426 i	$\sqrt{(0.233339^2 +0.0451426^2)}$ =0.23766	$0.23766/0.893078 = 0.266119$
22^η	0.21077	$\sqrt{0.21077^2}=0.21077$	$0.21077/0.893078 = 0.236$
23^η	0.194997 +0.00965896 i 0.194997 -0.00965896 i	$\sqrt{(0.194997^2 +0.00965896^2)} =$ 0.195226	$0.195226/0.893078 = 0.218599$
24^η	0.184688	$\sqrt{0.184688^2}=0.184688$	$0.184688/0.893078 = 0.206799$
25^η	0.170293 +0.0565765 i 0.170293 -0.0565765 i	$\sqrt{(0.170293^2 +0.0565765^2)} =$ 0.1794	$0.1794/0.893078 = 0.200928$
26^η	0.179283	$\sqrt{0.179283^2}=0.179283$	$0.179283/0.893078 = 0.200747$
27^η	0.171492 +0.00030102 i 0.171492 -0.00030102 i	$\sqrt{(0.171492^2 +0.00030102^2)} =$ 0.17149	$0.17149/0.893078 = 0.192022$
28^η	0.163643	$\sqrt{0.163643^2}=0.163643$	$0.163643/0.893078 = 0.18323$
29^η	0.162086 +0.0190081 i 0.162086 -0.0190081 i	$\sqrt{(0.162086^2 +0.0190081^2)} =$ 0.163196	$0.163196/0.893078 = 0.18273$

30ⁿ	0.151303 +0.00182029 $\dot{ı}$ 0.151303 -0.00182029 $\dot{ı}$	$\sqrt{(0.151303^2 + 0.00182029^2)}$ =0.151313	0.151313/0.893078 = 0.169429
31ⁿ	0.142588 +0.0466494 $\dot{ı}$ 0.142588 -0.0466494 $\dot{ı}$	$\sqrt{(0.142588^2 + 0.0466494^2)}$ = 0.15002	0.15002/0.893078 = 0.16798
32ⁿ	0.147376	$\sqrt{0.147376^2}$ =0.147376	0.147376/0.893078 = 0.16502
33ⁿ	0.142157	$\sqrt{0.142157^2}$ =0.142157	0.142157/0.893078 = 0.159176
34ⁿ	0.1374 +0.00473805 $\dot{ı}$ 0.1374 -0.00473805 $\dot{ı}$	$\sqrt{(0.1374^2 + 0.00473805^2)}$ = 0.1374789	0.1374789/0.893078 = 0.153938
35ⁿ	0.132546 +0.00187224 $\dot{ı}$ 0.132546 -0.00187224 $\dot{ı}$	$\sqrt{(0.132546^2 + 0.00187224^2)}$ =0.1325575	0.1325575/0.893078 = 0.148427
36ⁿ	0.129577	$\sqrt{0.129577^2}$ = 0.129577	0.129577/0.893078 = 0.14509
37ⁿ	0.11051	$\sqrt{0.11051^2}$ =0.11051	0.11051/0.893078 = 0.12374
38ⁿ	0.109705	$\sqrt{0.109705^2}$ =0.109705	0.109705/0.893078 = 0.122839
39ⁿ	0.0941228 +0.0427754 $\dot{ı}$ 0.0941228 -0.0427754 $\dot{ı}$	$\sqrt{(0.0941228^2 + 0.0427754^2)}$ = 0.1033868	0.1033868/0.893078 = 0.1157645
40ⁿ	0.0769322	$\sqrt{0.0769322^2}$ =0.0769322	0.0769322/0.893078 = 0.08614
41ⁿ	0.0684376 +0.021371 $\dot{ı}$ 0.0684376 -0.021371 $\dot{ı}$	$\sqrt{(0.0684376^2 + 0.021371^2)}$ = 0.0716967	0.0716967/0.893078 = 0.08028
42ⁿ	0.0473462	$\sqrt{0.0473462^2}$ =0.0473462	0.0473462/0.893078 = 0.05301
43ⁿ	0.	0.	0.
44ⁿ	0.	0.	0.

7.3 Υπολογισμός Ομαλοποιημένων Ιδιοτιμών

Τέλος, αφού υπολογίσαμε και του δείκτες ταχύτητας σύγκλισης τώρα θα υπολογίσουμε και τις νέες «ομαλοποιημένες» ιδιοτιμές των τριών μητρών που χρησιμοποιήσαμε στις προηγούμενες ενότητες (7.1 και 7.2). Ο υπολογισμός των νέων «ομαλοποιημένων» ιδιοτιμών γίνεται αν διαιρέσουμε την κάθε ιδιοτιμή της μήτρας με τη μέγιστη ιδιοτιμή αυτής.

7.3.1 «Ομαλοποιημένες» ιδιοτιμές μήτρας εγχώριας παραγωγής M1

Πίνακας «ομαλοποιημένων» ιδιοτιμών εγχώριας παραγωγής M1			
	Ιδιοτιμή	Ιδιοτιμή / μέγιστη ιδιοτιμή	«Ομαλοποιημένη» ιδιοτιμή
1 ^η	0.321697	0.321697/0.321697	1
2 ^η	0.249328	0.249328/0.321697	0.77503
3 ^η	0.167487 +0.00291732 i	(0.167487+0.00291732 i)/0.321697	0.5206 + 0.009 i
4 ^η	0.167487 -0.00291732 i	(0.167487 -0.00291732 i)/0.321697	0.5206 -0.009 i
5 ^η	0.157003	0.157003/0.321697	0.488
6 ^η	0.105572	0.105572/0.321697	0.3281
7 ^η	0.100061	0.100061/0.321697	0.311
8 ^η	0.0868586 +0.027817 i	(0.0868586 +0.027817 i)/0.321697	0.27 + 0.0864i
9 ^η	0.0868586 -0.027817 i	(0.0868586 -0.027817 i)/0.321697	0.27 - 0.0864i
10 ^η	0.0776878	0.0776878/0.321697	0.2414
11 ^η	-0.0776021	-0.0776021/0.321697	0.2412
12 ^η	0.0750952 +0.0131405 i	(0.0750952 +0.0131405 i)/0.321697	0.2334 +0.04i
13 ^η	0.0750952 -0.0131405 i	(0.0750952 -0.0131405 i)/0.321697	0.2334 -0.04i
14 ^η	0.0669626	0.0669626/0.321697	0.208
15 ^η	0.0644622	0.0644622/0.321697	0.200
16 ^η	0.0533983 +0.010458 i	(0.0533983 +0.010458 i)/0.321697	0.165 + 0.032i
17 ^η	0.0533983 -0.010458 i	(0.0533983 -0.010458 i)/0.321697	0.165 - 0.032i
18 ^η	0.0249071 +0.0459938 i	(0.0249071 +0.0459938 i)/0.321697	0.077 + 0.1429i
19 ^η	0.0249071 -0.0459938 i	(0.0249071 -0.0459938 i)/0.321697	0.077 - 0.1429i
20 ^η	-0.0198617+0.0459104 i	(-0.0198617+0.0459104 i)/0.321697	-0.0617 + 0.1427i
21 ^η	-0.0198617-0.0459104 i	(-0.0198617-0.0459104 i)/0.321697	-0.0617 - 0.1427i
22 ^η	0.0472569	0.0472569/0.321697	0.1468
23 ^η	0.0439259 +0.0131953 i	(0.0439259 +0.0131953 i)/0.321697	0.1365 + 0.041i
24 ^η	0.0439259 -0.0131953 i	(0.0439259 -0.0131953 i)/0.321697	0.1365 - 0.041i
25 ^η	0.0210046 +0.037344 i	(0.0210046 +0.037344 i)/0.321697	0.065 + 0.116i

26 ⁿ	0.0210046 -0.037344 i	(0.0210046 -0.037344 i)/0.321697	0.065 - 0.116i
27 ⁿ	0.0351885 +0.00578462 i	(0.0351885 +0.00578462 i) /0.321697	0.109 + 0.0179i
28 ⁿ	0.0351885 -0.00578462 i	(0.0351885 -0.00578462 i) /0.321697	0.109 - 0.0179i
29 ⁿ	-0.0322261	-0.0322261/0.321697	-0.100
30 ⁿ	0.0319649	0.0319649/0.321697	0.099
31 ⁿ	0.0301203	0.0301203/0.321697	0.0936
32 ⁿ	-0.00970158+0.0265003 i	(-0.00970158+0.0265003 i) /0.321697	-0.030 + 0.082i
33 ⁿ	-0.00970158-0.0265003 i	(-0.00970158-0.0265003 i) /0.321697	-0.030 - 0.082i
34 ⁿ	0.0251926 +0.00177218 i	(0.0251926 +0.00177218 i) /0.321697	0.078 + 0.0055i
35 ⁿ	0.0251926 -0.00177218 i	(0.0251926 -0.00177218 i) /0.321697	0.078 - 0.0055i
36 ⁿ	0.0224658	0.0224658/0.321697	0.0698
37 ⁿ	0.0203444	0.0203444/0.321697	0.063
38 ⁿ	0.0147124 +0.00578071 i	(0.0147124 +0.00578071 i) /0.321697	0.0457 + 0.0179i
39 ⁿ	0.0147124 -0.00578071 i	(0.0147124 -0.00578071 i) /0.321697	0.0457 - 0.0179i
40 ⁿ	0.0154909	0.0154909/0.321697	0.048
41 ⁿ	-0.00826021+0.00769815 i	(-0.00826021+0.00769815 i) /0.321697	- 0.025 + 0.0239i
42 ⁿ	-0.00826021-0.00769815 i	(-0.00826021-0.00769815 i) /0.321697	- 0.025 - 0.0239i
43 ⁿ	-0.0106592+0.000716457 i	(-0.0106592+0.000716457 i) /0.321697	- 0.033 + 0.002i
44 ⁿ	-0.0106592-0.000716457 i	(-0.0106592-0.000716457 i) /0.321697	- 0.033 - 0.002i
45 ⁿ	0.00578565 +0.0050474 i	(0.00578565 +0.0050474 i) /0.321697	0.0179 + 0.015i
46 ⁿ	0.00578565 -0.0050474 i	(0.00578565 -0.0050474 i)0.321697	0.0179 - 0.015i
47 ⁿ	-0.00562812	-0.00562812/0.321697	- 0.017
48 ⁿ	0.00313441 +0.00116785 i	(0.00313441 +0.00116785 i) /0.321697	0.009 + 0.0036i
49 ⁿ	0.00313441 -0.00116785 i	(0.00313441 -0.00116785 i) /0.321697	0.009 - 0.0036i
50 ⁿ	0.00330219	0.00330219/0.321697	0.01
51 ⁿ	-0.00270523	-0.00270523/0.321697	-0.008
52 ⁿ	0.00194147 +0.000234256i	(0.00194147 +0.000234256 i) /0.321697	0.006 + 0.0007i
53 ⁿ	0.00194147 -0.000234256i	(0.00194147 -0.000234256 i) /0.321697	0.006 - 0.0007i
54 ⁿ	0.00138974	0.00138974/0.321697	0.004
55 ⁿ	-0.000169761	-0.000169761/0.321697	-0.0005
56 ⁿ	-0.0000515009	-0.0000515009/0.321697	-0.0001
57 ⁿ	0.	0.	0.
58 ⁿ	0.	0.	0.
59 ⁿ	0.	0.	0.

7.3.2 «Ομαλοποιημένες» ιδιοτιμές μήτρας εγχώριας παραγωγής M1+ K

Πίνακας «ομαλοποιημένων» ιδιοτιμών μήτρας εγχώριας παραγωγής M1+ K			
	Ιδιοτιμή	Ιδιοτιμή / μέγιστη ιδιοτιμή	«Ομαλοποιημένη» ιδιοτιμή
1 ^η	0.948878	0.948878/0.948878	1
2 ^η	0.90767	0.90767/0.948878	0.956
3 ^η	0.880282	0.880282/0.948878	0.927
4 ^η	0.831951	0.831951/0.948878	0.8767
5 ^η	0.819611	0.819611/0.948878	0.8637
6 ^η	0.811452	0.811452/0.948878	0.855
7 ^η	0.793519 +0.0120074 i	(0.793519 +0.0120074 i) /0.948878	0.836 + 0.0126i
8 ^η	0.793519 -0.0120074 i	(0.793519 -0.0120074 i) /0.948878	0.836 - 0.0126i
9 ^η	0.766784 +0.000183346 i	(0.766784 +0.000183346 i) /0.948878	0.808 + 0.00019i
10 ^η	0.766784 -0.000183346 i	(0.766784 -0.000183346 i) /0.948878	0.808 - 0.00019i
11 ^η	0.747974	0.747974/0.948878	0.788
12 ^η	0.73476	0.73476/0.948878	0.774
13 ^η	0.705639 +0.00310921 i	(0.705639 +0.00310921 i) /0.948878	0.743 + 0.003i
14 ^η	0.705639 -0.00310921 i	(0.705639 -0.00310921 i) /0.948878	0.743 - 0.003i
15 ^η	0.694402	0.694402/0.948878	0.7318
16 ^η	0.689488 +0.0165342 i	(0.689488 +0.0165342 i) /0.948878	0.7266 + 0.017i
17 ^η	0.689488 -0.0165342 i	(0.689488 -0.0165342 i) /0.948878	0.7266 - 0.017i
18 ^η	0.667729	0.667729/0.948878	0.7037
19 ^η	0.662834	0.662834/0.948878	0.6985
20 ^η	0.635713	0.635713/0.948878	0.6699
21 ^η	0.617666 +0.0118896 i	(0.617666 +0.0118896 i) /0.948878	0.6509 + 0.0125i
22 ^η	0.617666 -0.0118896 i	(0.617666 -0.0118896 i) /0.948878	0.6509 - 0.0125i
23 ^η	0.593902 +0.0173153 i	(0.593902 +0.0173153 i) /0.948878	0.6258 + 0.018i
24 ^η	0.593902 -0.0173153 i	(0.593902 -0.0173153 i) /0.948878	0.6258 - 0.018i
25 ^η	0.580089	0.580089/0.948878	0.611
26 ^η	0.574896 +0.00182207 i	(0.574896 +0.00182207 i) /0.948878	0.6058 + 0.0019i
27 ^η	0.574896 -0.00182207 i	(0.574896 -0.00182207 i) /0.948878	0.6058 - 0.0019i
28 ^η	0.567949 +0.0122009 i	(0.567949 +0.0122009 i) /0.948878	0.598 + 0.012i
29 ^η	0.567949 -0.0122009 i	(0.567949 -0.0122009 i) /0.948878	0.598 - 0.012i
30 ^η	0.566924	0.566924/0.948878	0.597
31 ^η	0.53453	0.53453/0.948878	0.563
32 ^η	0.52897	0.52897/0.948878	0.557
33 ^η	0.520623	0.520623/0.948878	0.548
34 ^η	0.504961 +0.0254492 i	(0.504961 +0.0254492 i) /0.948878	0.532 + 0.026i

35ⁿ	0.504961 -0.0254492 i	(0.504961 -0.0254492 i) /0.948878	0.532 - 0.026i
36ⁿ	0.500166	0.500166/0.948878	0.527
37ⁿ	0.491181	0.491181/0.948878	0.5176
38ⁿ	0.479844	0.479844/0.948878	0.505
39ⁿ	0.468975	0.468975/0.948878	0.494
40ⁿ	0.462529 +0.00466365 i	(0.462529 +0.00466365 i) /0.948878	0.487 + 0.0049i
41ⁿ	0.462529 -0.00466365 i	(0.462529 -0.00466365 i) /0.948878	0.487 - 0.0049i
42ⁿ	0.45826	0.45826/0.948878	0.4829
43ⁿ	0.456449	0.456449/0.948878	0.481
44ⁿ	0.449674	0.449674/0.948878	0.4739
45ⁿ	0.444263	0.444263/0.948878	0.468
46ⁿ	0.431152 +0.00155238 i	(0.431152 +0.00155238 i) /0.948878	0.454 + 0.0016i
47ⁿ	0.431152 -0.00155238 i	(0.431152 -0.00155238 i) /0.948878	0.454 - 0.0016i
48ⁿ	0.407219	0.407219/0.948878	0.429
49ⁿ	0.394874 +0.0190911 i	(0.394874 +0.0190911 i) /0.948878	0.416 + 0.02i
50ⁿ	0.394874 -0.0190911 i	(0.394874 -0.0190911 i) /0.948878	0.416 - 0.02i
51ⁿ	0.393263 +0.00834392 i	(0.393263 +0.00834392 i) /0.948878	0.4144 + 0.008i
52ⁿ	0.393263 -0.00834392 i	(0.393263 -0.00834392 i) /0.948878	0.4144 - 0.008i
53ⁿ	0.39315	0.39315/0.948878	0.4143
54ⁿ	0.384989	0.384989/0.948878	0.4057
55ⁿ	0.379178	0.379178/0.948878	0.3996
56ⁿ	0.236231	0.236231/0.948878	0.2489
57ⁿ	0.197693	0.197693/0.948878	0.208
58ⁿ	0.	0.	0.
59ⁿ	0.	0.	0.

**7.3.3 «Ομαλοποιημένες» ιδιοτιμές μήτρας
(εγχώριας παραγωγής M2 + B + F)*(R)**

Πίνακας «ομαλοποιημένων» ιδιοτιμών (εγχώριας παραγωγής M2 + B + F)*(R)			
	Ιδιοτιμή	Ομαλοποιημένη ιδιοτιμή = Ιδιοτιμή / μέγιστη ιδιοτιμή	«Ομαλοποιημένη» ιδιοτιμή
1^η	0.893078	0.893078/0.893078	1
2^η	0.715366	0.715366/0.893078	0.801
3^η	0.648343	0.648343/0.893078	0.7259
4^η	0.592049	0.592049/0.893078	0.6629
5^η	0.537502	0.537502/0.893078	0.6018
6^η	0.487722	0.487722/0.893078	0.546
7^η	0.455068	0.455068/0.893078	0.5095
8^η	0.419081	0.419081/0.893078	0.469
9^η	0.401212	0.401212/0.893078	0.449
10^η	0.372033	0.372033/0.893078	0.4165
11^η	0.357757 +0.00912143 i	(0.357757 +0.00912143 i)/0.893078	0.4005 + 0.01i
12^η	0.357757 -0.00912143 i	(0.357757 -0.00912143 i)/0.893078	0.4005 - 0.01i
13^η	0.346099	0.346099/0.893078	0.3875
14^η	0.304508 +0.0695242 i	(0.304508 +0.0695242 i)/0.893078	0.3409 + 0.0778i
15^η	0.304508 -0.0695242 i	(0.304508 -0.0695242 i)/0.893078	0.3409 - 0.0778i
16^η	0.309615	0.309615/0.893078	0.3466
17^η	0.302478	0.302478/0.893078	0.338
18^η	0.264546	0.264546/0.893078	0.296
19^η	0.261107 +0.0319948 i	(0.261107 +0.0319948 i)/0.893078	0.292 + 0.0358i
20^η	0.261107 -0.0319948 i	(0.261107 -0.0319948 i)/0.893078	0.292 - 0.0358i
21^η	0.260298 +0.0142558 i	(0.260298 +0.0142558 i)/0.893078	0.291 + 0.0159i
22^η	0.260298 -0.0142558 i	(0.260298 -0.0142558 i)/0.893078	0.291 - 0.0159i
23^η	0.254786	0.254786/0.893078	0.285
24^η	0.251052	0.251052/0.893078	0.281
25^η	0.233339 +0.0451426 i	(0.233339 +0.0451426 i)/0.893078	0.261 + 0.05i
26^η	0.233339 -0.0451426 i	(0.233339 -0.0451426 i)/0.893078	0.261 - 0.05i
27^η	0.21077	0.21077/0.893078	0.236
28^η	0.194997 +0.00965896 i	(0.194997 +0.00965896 i)/0.893078	0.218 + 0.0108i
29^η	0.194997 -0.00965896 i	(0.194997 -0.00965896 i)/0.893078	0.218 - 0.0108i
30^η	0.184688	0.184688/0.893078	0.206
31^η	0.170293 +0.0565765 i	(0.170293 +0.0565765 i)/0.893078	0.1906 + 0.063i
32^η	0.170293 -0.0565765 i	(0.170293 -0.0565765 i)/0.893078	0.1906 - 0.063i
33^η	0.179283	0.179283/0.893078	0.2007

34ⁿ	0.171492 +0.00030102 i	(0.171492 +0.00030102 i) /0.893078	0.192 + 0.0003i
35ⁿ	0.171492 -0.00030102 i	(0.171492 -0.00030102 i) /0.893078	0.192 - 0.0003i
36ⁿ	0.163643	0.163643/0.893078	0.1832
37ⁿ	0.162086 +0.0190081 i	(0.162086 +0.0190081 i) /0.893078	0.181 + 0.021i
38ⁿ	0.162086 -0.0190081 i	(0.162086 -0.0190081 i) /0.893078	0.181 - 0.021i
39ⁿ	0.151303 +0.00182029 i	(0.151303 +0.00182029 i) /0.893078	0.169 + 0.002i
40ⁿ	0.151303 -0.00182029 i	(0.151303 -0.00182029 i) /0.893078	0.169 - 0.002i
41ⁿ	0.142588 +0.0466494 i	(0.142588 +0.0466494 i) /0.893078	0.1596 + 0.05i
42ⁿ	0.142588 -0.0466494 i	(0.142588 -0.0466494 i) /0.893078	0.1596 - 0.05i
43ⁿ	0.147376	0.147376/0.893078	0.165
44ⁿ	0.142157	0.142157/0.893078	0.159
45ⁿ	0.1374 +0.00473805 i	(0.1374 +0.00473805 i) /0.893078	0.1538 + 0.0053i
46ⁿ	0.1374 -0.00473805 i	(0.1374 -0.00473805 i) /0.893078	0.1538 - 0.0053i
47ⁿ	0.132546 +0.00187224 i	(0.132546 +0.00187224 i) /0.893078	0.148 + 0.002i
48ⁿ	0.132546 -0.00187224 i	(0.132546 -0.00187224 i) /0.893078	0.148 - 0.002i
49ⁿ	0.129577	0.129577/0.893078	0.145
50ⁿ	0.11051	0.11051/0.893078	0.1237
51ⁿ	0.109705	0.109705/0.893078	0.1228
52ⁿ	0.0941228 +0.0427754 i	(0.0941228 +0.0427754 i) /0.893078	0.105 + 0.0478i
53ⁿ	0.0941228 -0.0427754 i	(0.0941228 -0.0427754 i) /0.893078	0.105 - 0.0478i
54ⁿ	0.0769322	0.0769322/0.893078	0.086
55ⁿ	0.0684376 +0.021371 i	(0.0684376 +0.021371 i) /0.893078	0.076 + 0.0239i
56ⁿ	0.0684376 -0.021371 i	(0.0684376 -0.021371 i) /0.893078	0.076 - 0.0239i
57ⁿ	0.0473462	0.0473462/0.893078	0.053
58ⁿ	0.	0.	0.
59ⁿ	0.	0.	0.

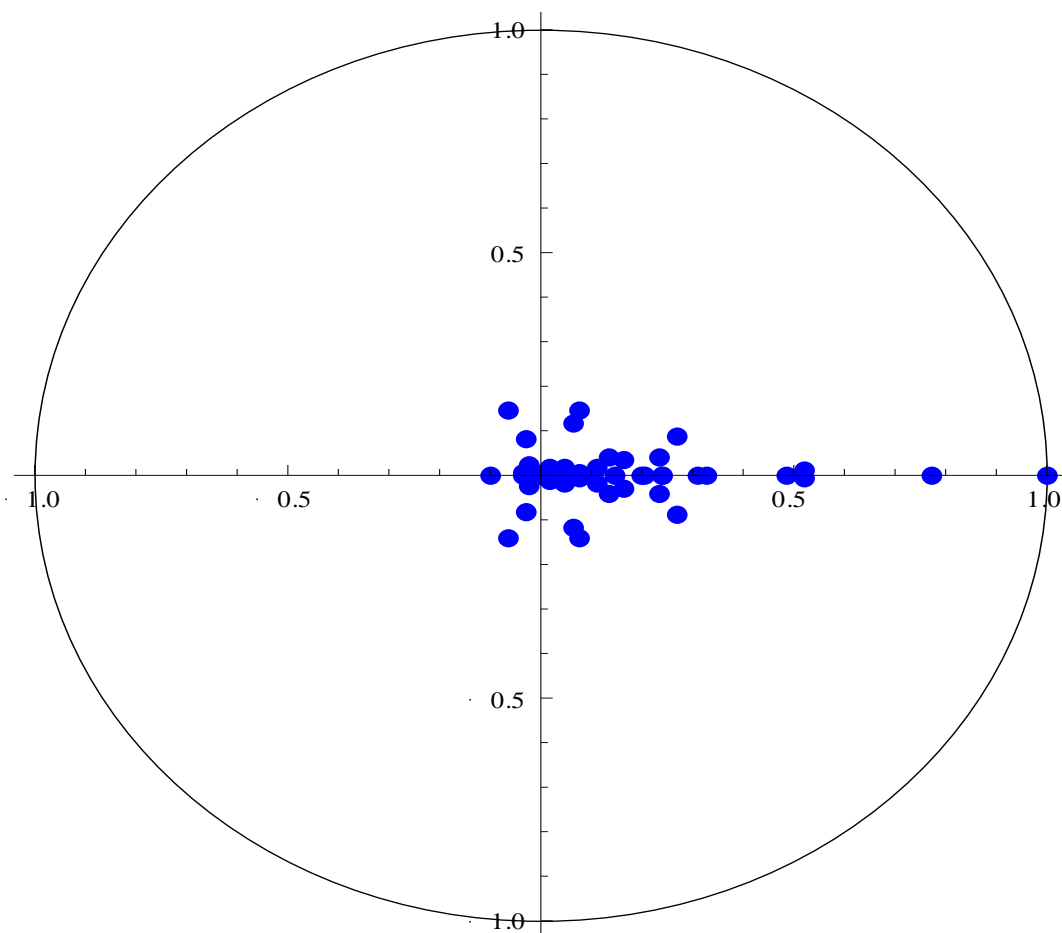
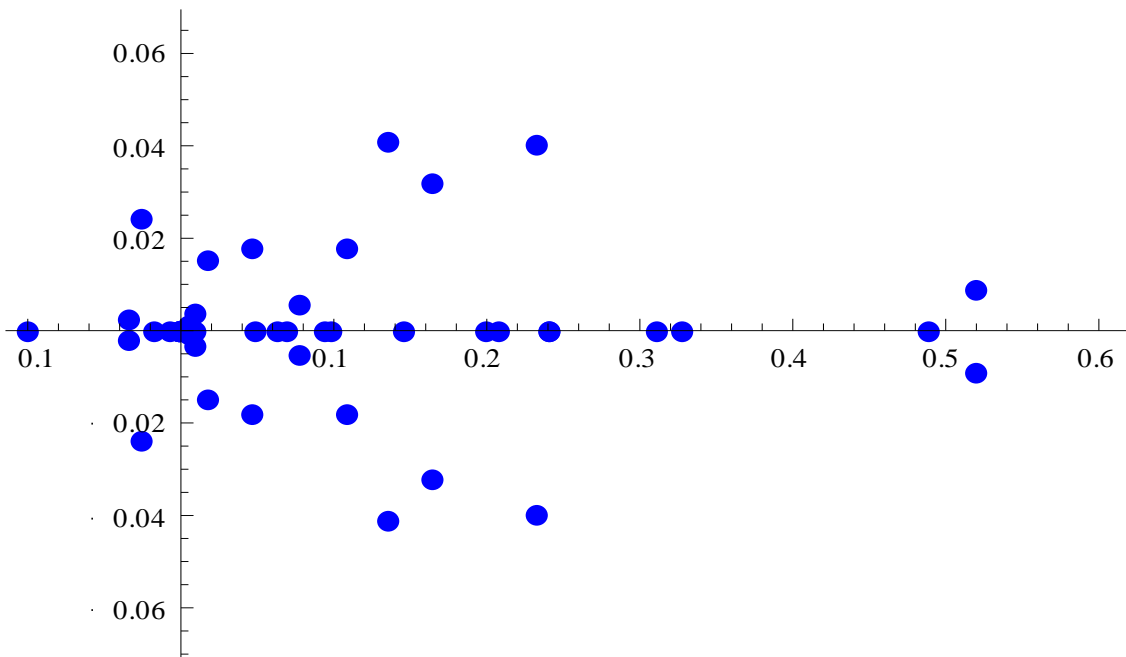
7.4 Αναπαράσταση «Ομαλοποιημένων» Ιδιοτιμών Σε Μοναδιαίο Κύκλο

Με τον υπολογισμό των νέων «ομαλοποιημένων» ιδιοτιμών δίνεται η δυνατότητα από το mathematica να αναπαραστήσουμε αυτές σε μοναδιαίο κύκλο. Η αναπαράσταση αυτή θα μας βοηθήσει οπτικά να καταλάβουμε την ταχύτητα σύγκλισης των τριών συστημάτων. Γενικά όσο πιο κοντά συσσωρεύεται ο «πληθυσμός» των ιδιοτιμών στην αρχή των αξόνων τόσο πιο γρήγορα συγκλίνει το σύστημα.

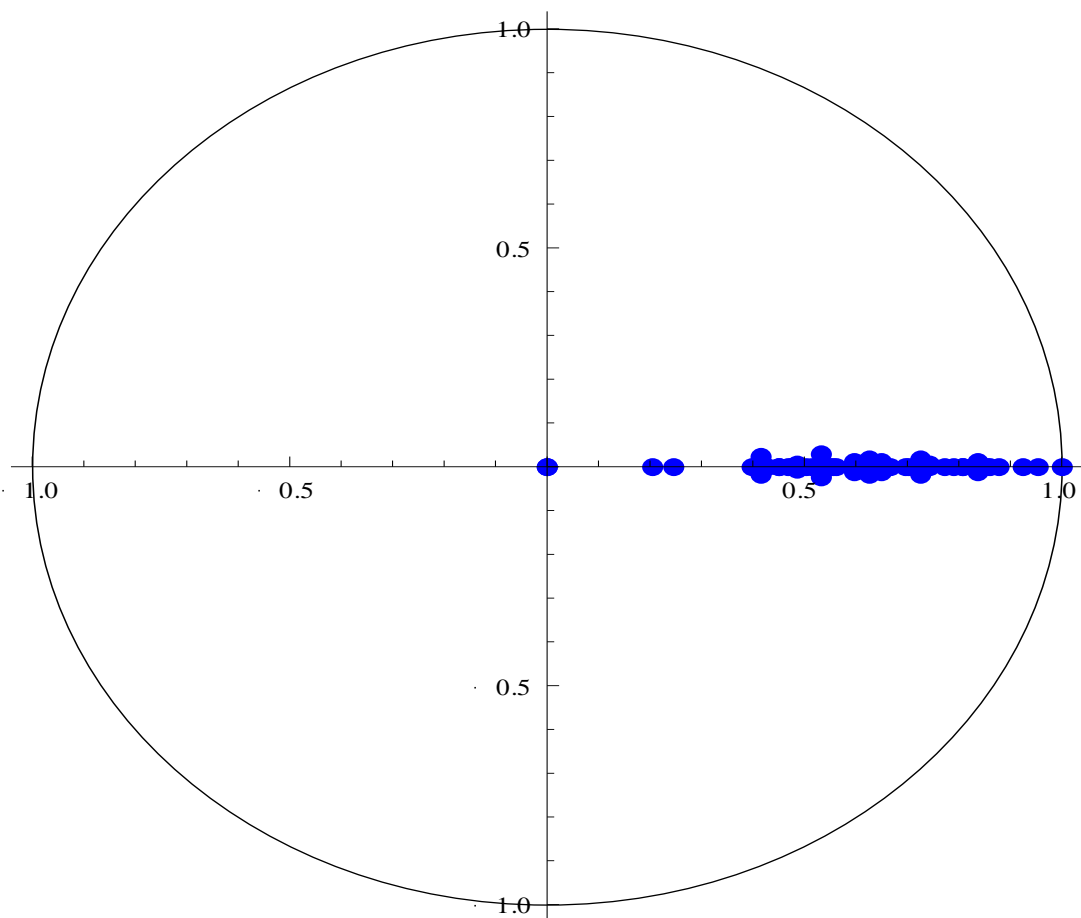
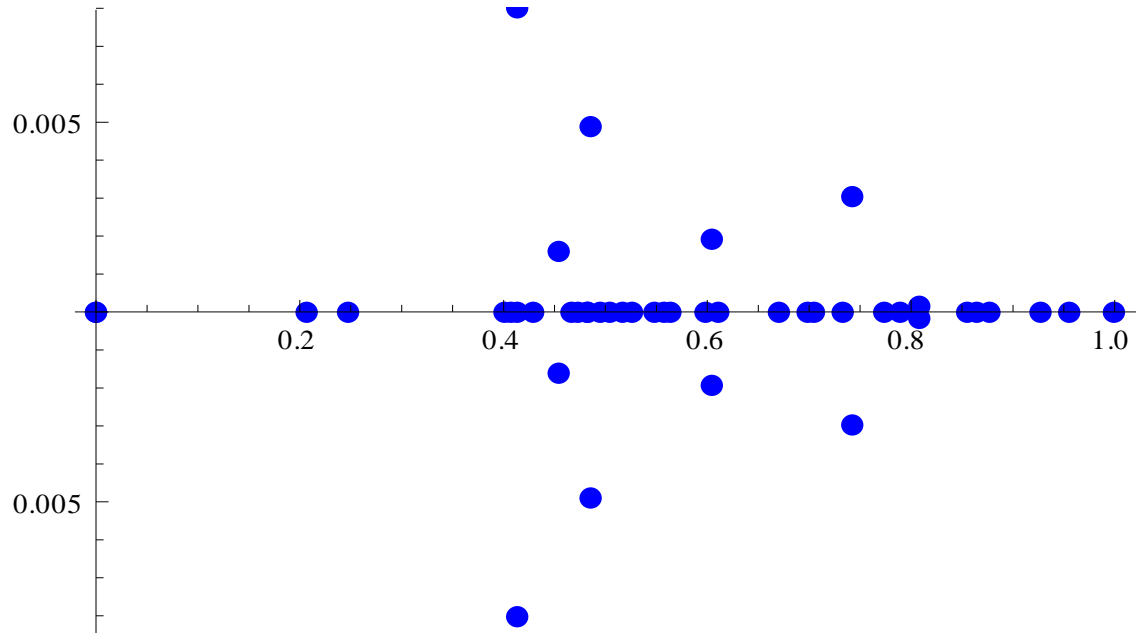
Συντεταγμένες «Ομαλοποιημένων» Ιδιοτιμών			
	Εγχώριας Παραγωγής M1	Εγχώριας Παραγωγής M1 + Κ	(Εγχώριας Παραγωγής M2 + Β + F)*(R)
1 ^η	(1,0)	(1,0)	(1,0)
2 ^η	(0.77503,0)	(0.956,0)	(0.801,0)
3 ^η	(0.5206 ,+0.009)	(0.927,0)	(0.7259,0)
4 ^η	(0.5206,-0.009)	(0.8767,0)	(0.6629,0)
5 ^η	(0.488,0)	(0.8637,0)	(0.6018,0)
6 ^η	(0.3281,0)	(0.855,0)	(0.546,0)
7 ^η	(0.311,0)	(0.836,+ 0.0126)	(0.5095,0)
8 ^η	(0.27,+ 0.0864)	(0.836,- 0.0126)	(0.469,0)
9 ^η	(0.27,- 0.0864)	(0.808,+ 0.00019)	(0.449,0)
10 ^η	(0.2414,0)	(0.808,- 0.00019)	(0.4165,0)
11 ^η	(0.2412,0)	(0.788,0)	(0.4005,+ 0.01)
12 ^η	(0.2334,+0.04)	(0.774,0)	(0.4005,- 0.01)
13 ^η	(0.2334,-0.04)	(0.743,+ 0.003)	(0.3875,0)
14 ^η	(0.208,0)	(0.743,- 0.003)	(0.3409,+ 0.0778)
15 ^η	(0.200,0)	(0.7318,0)	(0.3409,- 0.0778)
16 ^η	(0.165,+ 0.032)	(0.7266,+ 0.017)	(0.3466,0)
17 ^η	(0.165,- 0.032)	(0.7266,- 0.017)	(0.338,0)
18 ^η	(0.077,+ 0.1429)	(0.7037,0)	(0.296,0)
19 ^η	(0.077,- 0.1429)	(0.6985,0)	(0.292,+ 0.0358)
20 ^η	(-0.0617,+ 0.1427)	(0.6699,0)	(0.292,- 0.0358)
21 ^η	(-0.0617,- 0.1427)	(0.6509,+ 0.0125)	(0.291,+ 0.0159)
22 ^η	(0.1468,0)	(0.6509,- 0.0125)	(0.291,- 0.0159)
23 ^η	(0.1365,+ 0.041)	(0.6258,+ 0.018)	(0.285,0)
24 ^η	(0.1365,- 0.041)	(0.6258,- 0.018)	(0.281,0)
25 ^η	(0.065,+ 0.116)	(0.611,0)	(0.261,+ 0.05)
26 ^η	(0.065,- 0.116)	(0.6058,+ 0.0019)	(0.261,- 0.05)

27^η	(0.109,+ 0.0179)	(0.6058,- 0.0019)	(0.236,0)
28^η	(0.109,- 0.0179)	(0.598,+ 0.012)	(0.218,+ 0.0108)
29^η	(-0.100,0)	(0.598,- 0.012)	(0.218,- 0.0108)
30^η	(0.099,0)	(0.597,0)	(0.206,0)
31^η	(0.0936,0)	(0.563,0)	(0.1906,+ 0.063)
32^η	(-0.030,+ 0.082)	(0.557,0)	(0.1906,- 0.063)
33^η	(-0.030,- 0.082)	(0.548,0)	(0.2007,0)
34^η	(0.078,+ 0.0055)	(0.532,+ 0.026)	(0.192,+ 0.0003)
35^η	(0.078,- 0.0055)	(0.532,- 0.026)	(0.192,- 0.0003)
36^η	(0.0698,0)	(0.527,0)	(0.1832,0)
37^η	(0.063,0)	(0.5176,0)	(0.181,+ 0.021)
38^η	(0.0457,+ 0.0179)	(0.505,0)	(0.181,- 0.021)
39^η	(0.0457,- 0.0179)	(0.494,0)	(0.169,+ 0.002)
40^η	(0.048,0)	(0.487,+ 0.0049)	(0.169,- 0.002)
41^η	(- 0.025,+ 0.0239)	(0.487,- 0.0049)	(0.1596,+ 0.05)
42^η	(- 0.025,- 0.0239)	(0.4829,0)	(0.1596,- 0.05)
43^η	(- 0.033,+ 0.002)	(0.481,0)	(0.165,0)
44^η	(- 0.033,- 0.002)	(0.4739,0)	(0.159,0)
45^η	(0.0179,+ 0.015)	(0.468,0)	(0.1538,+ 0.0053)
46^η	(0.0179,- 0.015)	(0.454,+ 0.0016)	(0.1538,- 0.0053)
47^η	(- 0.017,0)	(0.454,- 0.0016)	(0.148,+ 0.002)
48^η	(0.009,+ 0.0036)	(0.429,0)	(0.148,- 0.002)
49^η	(0.009,- 0.0036)	(0.416,+ 0.02)	(0.145,0)
50^η	(0.01,0)	(0.416,- 0.02)	(0.1237,0)
51^η	(-0.008,0)	(0.4144,+ 0.008)	(0.1228,0)
52^η	(0.006,+ 0.0007)	(0.4144,- 0.008)	(0.105,+ 0.0478)
53^η	(0.006,- 0.0007)	(0.4143,0)	(0.105,- 0.0478)
54^η	(0.004,0)	(0.4057,0)	(0.086,0)
55^η	(-0.0005,0)	(0.3996,0)	(0.076,+ 0.0239)
56^η	(-0.0001,0)	(0.2489,0)	(0.076,- 0.0239)
57^η	(0,0)	(0.208,0)	(0.053,0)
58^η	(0,0)	(0,0)	(0,0)
59^η	(0,0)	(0,0)	(0,0)

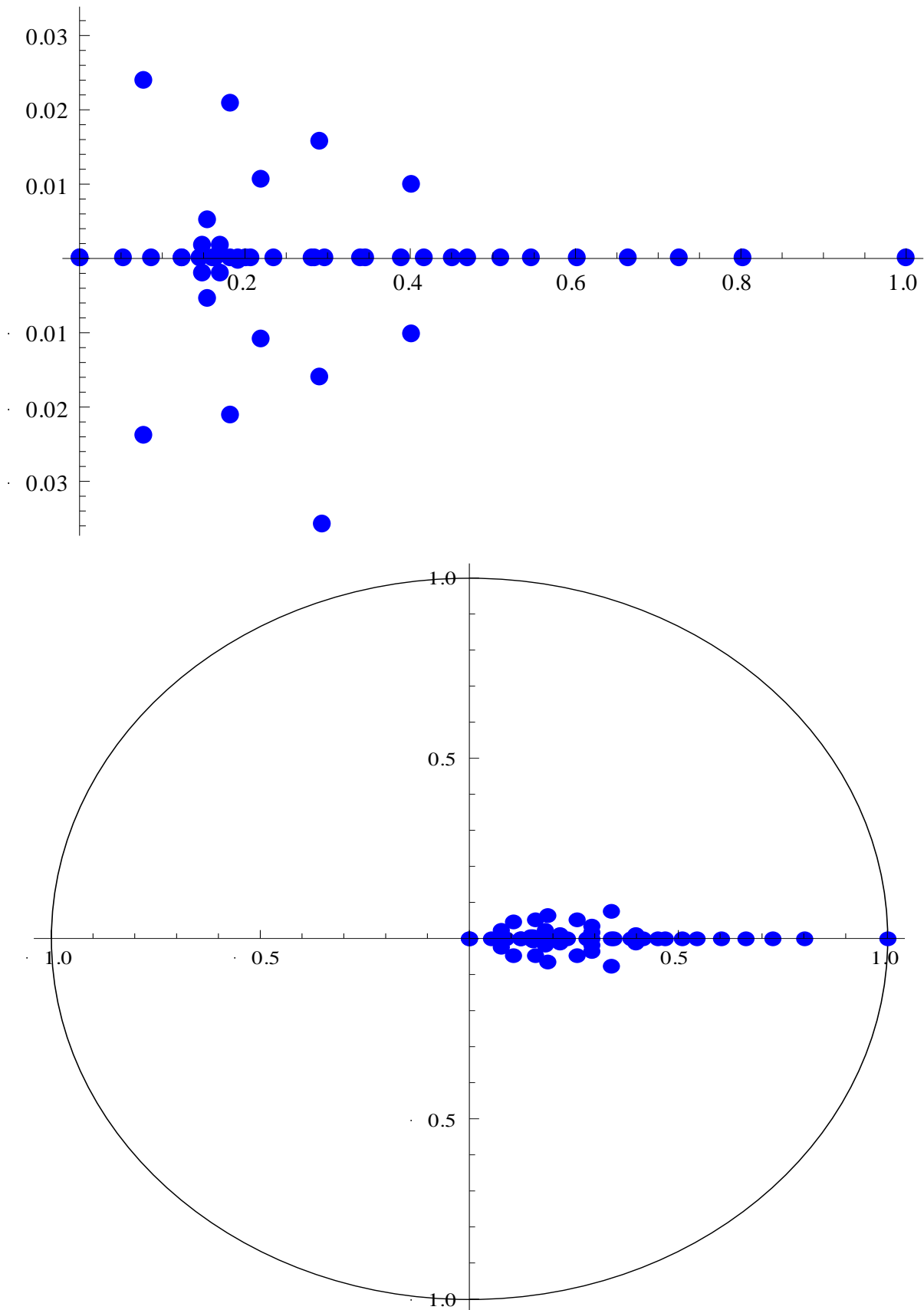
7.4.1 Αναπαράσταση «ομαλοποιημένων» ιδιοτιμών μήτρας εγχώριας παραγωγής M1



7.4.2 Αναπαράσταση «ομαλοποιημένων» ιδιοτιμών μήτρας εγχώριας παραγωγής M1+K



7.4.3 Αναπαράσταση «ομαλοποιημένων» ιδιοτιμών μήτρας (εγχώριας παραγωγής M2+B+F)*(R)



8. Συμπεράσματα

Όπως είπαμε στην αρχή αυτής της μελέτης μας σκοπός της ήταν η εκτίμηση των επιπτώσεων της υποτίμησης του νομίσματος της ελληνικής οικονομίας στο «κόστος» των εγχωρίως παραγόμενων εμπορευμάτων, στη βάση των πινάκων εισροών – εκροών της ελληνικής οικονομίας για το έτος 2005.

Για την επίτευξη αυτού του σκοπού χρησιμοποιήσαμε τρία διαφορετικά συστήματα τιμών (τρία μοντέλα) που περιέγραφαν τρεις διαφορετικούς τρόπους μετάδοσης του πληθωριστικού κύματος της υποτίμησης στην ελληνική οικονομία.

Τα τρία αυτά μοντέλα τα «τρέξαμε» στο πρόγραμμα mathematica και βρήκαμε αναλυτικά την εξέλιξη των τιμών των εμπορευμάτων. Έπειτα υπολογίσαμε τους δείκτες συνολικού πληθωρισμού για τις πρώτες πέντε περιόδους και εν συνεχεία βρήκαμε τις ιδιοτιμές («ομαλοποιημένες» και μη) και τους δείκτες ταχύτητας σύγκλισης. Έτσι τώρα είμαστε έτοιμοι να αναλύσουμε τα συμπεράσματα αυτής της μελέτης.

- 1^{ον} το «τρέξιμο» των τριών μοντέλων έδειξε ότι οι τιμές των εμπορευμάτων μεταβλήθηκαν ως εξής:

→ Στο πρώτο σύστημα τιμών (1^ο μοντέλο) για υποτίμηση του νομίσματος:

15% είχαμε αύξηση 0,15 μονάδες, δηλαδή η τιμή από τη 1 μονάδα προσαρμόστηκε στο 1,15 μονάδες (δηλαδή η υποτίμηση περνάει όλη στο κόστος παραγωγής)

50% είχαμε αύξηση 0,50 μονάδες, δηλαδή η τιμή από τη 1 μονάδα προσαρμόστηκε στο 1,50 μονάδες (δηλαδή η υποτίμηση περνάει όλη στο κόστος παραγωγής)

→ Στο δεύτερο σύστημα τιμών (2^ο μοντέλο) για υποτίμηση του νομίσματος:

15% είχαμε αύξηση 0,15 μονάδες, δηλαδή η τιμή από τη 1 μονάδα προσαρμόστηκε στο 1,15 μονάδες (δηλαδή η υποτίμηση περνάει όλη στο κόστος παραγωγής)

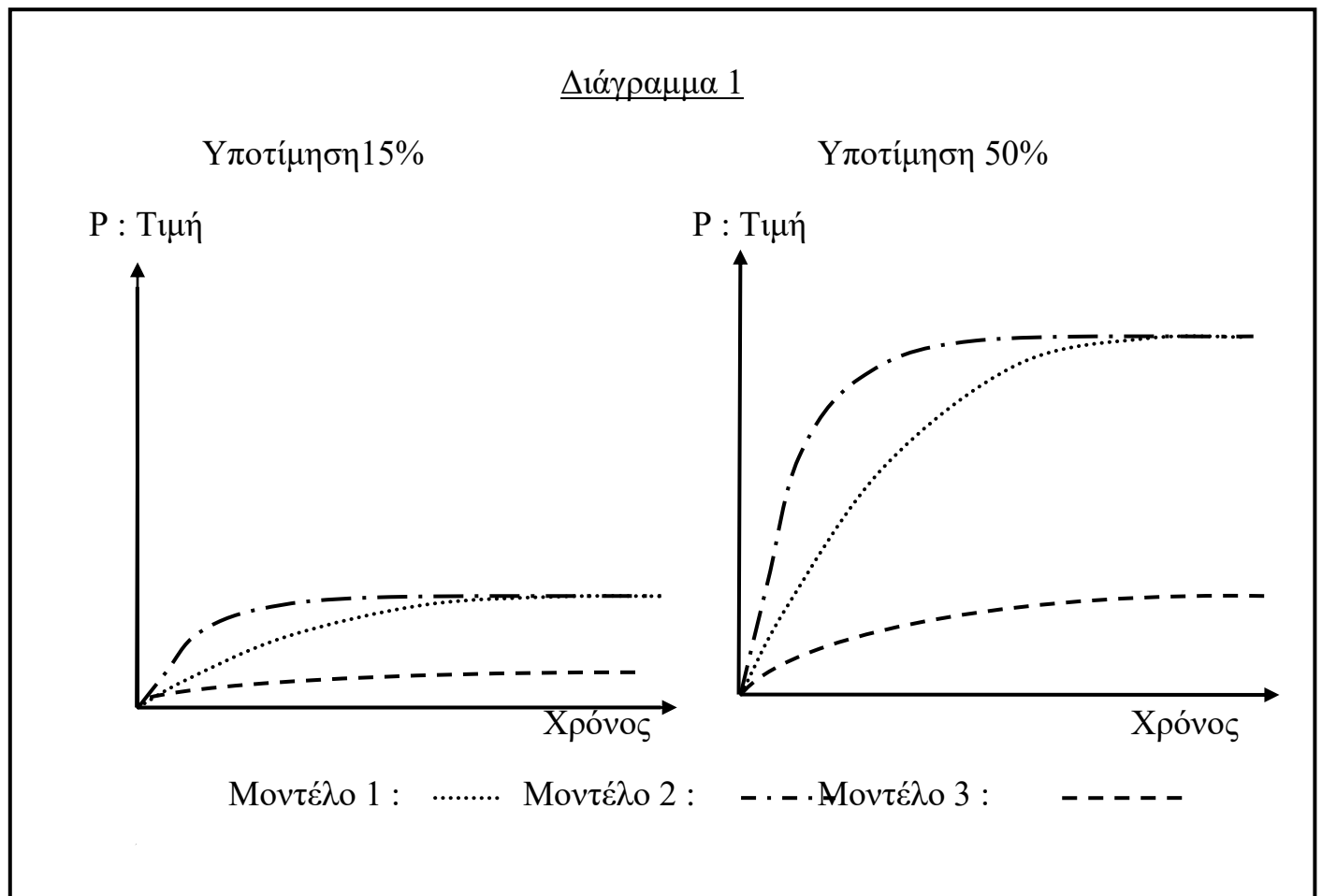
50% είχαμε αύξηση 0,50 μονάδες, δηλαδή η τιμή από τη 1 μονάδα προσαρμόστηκε στο 1,50 μονάδες (δηλαδή η υποτίμηση περνάει όλη στο κόστος παραγωγής)

→ Στο τρίτο σύστημα τιμών (3^ο μοντέλο) για υποτίμηση του νομίσματος:

15% είχαμε αύξηση περίπου 0,004 – 0,108 μονάδες, δηλαδή η τιμή από τη 1 μονάδα προσαρμόστηκε στο 1,004 – 1,108 μονάδες ανάλογα το εμπόρευμα (δηλαδή από το 15% της υποτίμησης μόνο το 0,4% – 11% περνάει στο κόστος παραγωγής)

50% είχαμε αύξηση περίπου 0,015 – 0,36 μονάδες, δηλαδή η τιμή από τη 1 μονάδα προσαρμόστηκε στο 1,015 – 1,36 μονάδες ανάλογα το εμπόρευμα (δηλαδή από το 50% της υποτίμησης μόνο το 1% – 36% περνάει στο κόστος παραγωγής)

Επίσης μπορούμε να έχουμε διαγραμματικά (Διάγραμμα 1) τη μεταβολή της τιμής των εμπορευμάτων λόγω της επίδραση της υποτίμησης.



Γενικά παρατηρούμε ότι το 1^ο και 2^ο μοντέλο απορροφούν όλη την υποτίμηση σε αντίθεση με το 3^ο μοντέλο και μάλιστα η απορρόφηση στο δεύτερο μοντέλο γίνεται με πιο αργό ρυθμό απ' ότι στο 1^ο.

• 2^{ον} ο υπολογισμός των δεικτών συνολικού πληθωρισμού δείχνει ότι το πληθωριστικό κύμα έχει την εξής μορφή:

→ Στο πρώτο σύστημα τιμών (1^ο μοντέλο) για υποτίμηση του νομίσματος:

15% είχαμε την πρώτη περίοδο 1,7%, την δεύτερη περίοδο 1,3% την τρίτη περίοδο 1,03%, την τέταρτη περίοδο 0,84% την πέμπτη περίοδο 0,71%

50% είχαμε την πρώτη περίοδο 5,66%, την δεύτερη περίοδο 4,19% την τρίτη περίοδο 3,22%, την τέταρτη περίοδο 2,57% την πέμπτη περίοδο 2,13%

→ Στο δεύτερο σύστημα τιμών (2^ο μοντέλο) για υποτίμηση του νομίσματος:

15% είχαμε την πρώτη περίοδο 2,86%, την δεύτερη περίοδο 2,0% την τρίτη περίοδο 1,47%, την τέταρτη περίοδο 1,13% την πέμπτη περίοδο 0,89%

50% είχαμε την πρώτη περίοδο 9,55%, την δεύτερη περίοδο 6,26% την τρίτη περίοδο 4,42%, την τέταρτη περίοδο 3,30% την πέμπτη περίοδο 2,56%

→ Στο τρίτο σύστημα τιμών (3^ο μοντέλο) για υποτίμηση του νομίσματος:

15% είχαμε την πρώτη περίοδο 1,7%, την δεύτερη περίοδο 0,58% την τρίτη περίοδο 0,19 %, την τέταρτη περίοδο 0,06% την πέμπτη περίοδο 0,01%

50% είχαμε την πρώτη περίοδο 5,66%, την δεύτερη περίοδο 1,86% την τρίτη περίοδο 0,61%, την τέταρτη περίοδο 0,199% την πέμπτη περίοδο 0,06%

Άθροισμα δεικτών συνολικού πληθωρισμού πέντε περιόδων			
		Άθροισμα δεικτών πληθωρισμού	
Ποσοστό υποτίμησης		15%	50%
Μοντέλο	1^ο μοντέλο	5,22	17,77
	2^ο μοντέλο	8,35	26,09
	3^ο μοντέλο	2,54	8,389

Γενικά παρατηρούμε ότι το πληθωριστικό κύμα λόγω της υποτίμησης του νομίσματος έχει φθίνουσα μορφή και ότι το μεγαλύτερο πληθωρισμό τον έχουμε στο δεύτερο μοντέλο που περιλαμβάνονται και οι φόροι.

• **3^{ον}** ο υπολογισμός των ιδιοτιμών των τριών μητρών : α) εγχώριας παραγωγής M1, β) εγχώριας παραγωγής M1 + K και γ) (εγχώριας παραγωγής M2 + B + F)*(R) έδειξε ότι οι μήτρες είναι συγκλίνουσες (αφού η μέγιστη ιδιοτιμή τους είναι μικρότερη της μονάδας) και ότι το μεγαλύτερο χρόνο για να προσεγγίσει το σύστημα (μοντέλο 1,2,3) τη νέα μόνιμη κατάστασή του (ο λεγόμενος «χρόνος αποκατάστασης»)⁵⁰ απαιτείται στη μήτρα εγχώριας παραγωγής M1 + K και έπονται η μήτρα (εγχώριας παραγωγής M2 + B + F)*(R) και τέλος η μήτρα εγχώριας παραγωγής M1 με μέγιστες ιδιοτιμές (0.948878, 0.893078 και 0.321697 αντίστοιχα). Αυτό βέβαια φαίνεται και στην απεικόνιση που υπάρχει στις ενότητες 7.4.1, 7.4.2 και 7.4.3. αφού ισχύει ότι όσο πιο κοντά στην αρχή των αξόνων συσσωρεύεται ο «πληθυσμός» των ιδιοτιμών τόσο πιο γρήγορα συγκλίνει το σύστημα.

⁵⁰ Μαριόλης Θεόδωρος – Οικονομίδης Χαράλαμπος – Σταμάτης Γιώργος – Φουστέρης Νίκος, 1997, Ποσοτική εκτίμηση των επιπτώσεων της υποτίμησης στο «κόστος» παραγωγής, Αθήνα, Εκδόσεις «Κριτική», σελ.41

9. Παράρτημα

Παράρτημα Α

Α.1 Εισαγωγή Δεδομένων 1^{ου} Μοντέλου Στο Mathematica

Α.1.α Εισαγωγή μήτρας εγχώριας παραγωγής M1 – Dom

{

1^η γραμμή {0.127197, 0.0479968, 0.00178314, 0, 0, 0, 0, 0, 0.242143, 0.154528, 0.0454443, 0.00231927, 1.44139×10⁻⁶, 0.000110278, 0.00487196, 3.81138×10⁻⁶, 4.70491×10⁻⁶, 0.00136019, 0.0143041, 0.0000153493, 1.70581×10⁻⁶, 0.0000584937, 0.000709849, 0, 5.55614×10⁻⁷, 0, 0.0000249068, 9.31595×10⁻⁷, 0.0000860373, 0.00712094, 0, 1.78166×10⁻⁷, 0, 2.52851×10⁻¹⁰, 0, 0.00362042, 0.0000405241, 0.0170201, 0.000994978, 0.00125698, 0, 0.00225488, 0.000032537, 0, 0.0000475993, 0, 0.0012346, 0.0067324, 0, 0, 3.21796×10⁻⁷, 0, 0.0000430505, 0.000102371, 0, 0.00110853, 0.000145587, 0.000654146, 0},

2^η γραμμή {0, 0.103975, 0, 0.00225409, 0.000656274, 0, 0.000763113, 0.000593696, 0.000864871, 0.0000640987, 0.000111645, 0.000493719, 0.000158074, 0.0582043, 0.000322324, 0.000519594, 7.87492×10⁻⁷, 0.00109403, 0.000171659, 0.000143867, 0.000215232, 0.000241797, 0.0000802846, 0.000053278, 0.0000283087, 0.0000297935, 0.0000808958, 0.0000279743, 0.000117457, 0.000860579, 0.000676657, 1.03104×10⁻⁶, 0, 1.12583×10⁻⁶, 5.53174×10⁻⁸, 0.0000698941, 1.21173×10⁻⁶, 0.000493253, 0.0000198301, 0, 0, 0.000048366, 8.15998×10⁻⁷, 0, 0, 0, 0.0000282258, 0.000137414, 0, 0, 0.0000829951, 0, 0.0199044, 1.05582×10⁻⁸, 0, 0.00013624, 4.42678×10⁻⁶, 5.98175×10⁻⁶, 0},

3^η γραμμή {0, 0, 0.0474183, 0, 0, 0, 0, 0, 0.000720648, 0, 0.0000100064, 0, 4.52091×10⁻⁹, 0.00002471, 0.0000119979, 5.44569×10⁻⁹, 0, 2.56219×10⁻⁶, 0.0000673299, 1.78768×10⁻⁷, 1.31063×10⁻⁷, 7.81953×10⁻⁶, 4.64736×10⁻⁶, 0, 1.48637×10⁻⁷, 0, 6.21022×10⁻⁶, 2.49219×10⁻⁷, 0.0000169048, 0.00187533, 0, 0, 0, 6.69084×10⁻¹², 0, 0.0000134382, 8.20118×10⁻⁶, 0.0032877, 3.66879×10⁻⁶, 0.000246974, 0, 0.0000378947, 6.29955×10⁻⁶, 0, 9.35018×10⁻⁶, 0, 0.0000203341, 0.0000560838, 0, 0, 8.34342×10⁻⁹, 0, 0, 3.73481×10⁻⁶, 0, 0.0000531242, 0.0000280399, 0.0000398698, 0},

$^8, 4.16619 \times 10^{-6}, 0.0000113876, 4.8929 \times 10^{-8}, 0.000528866, 0.000372304, 2.46231 \times 10^{-6}, 1.35602 \times 10^{-6}, 0, 2.00205 \times 10^{-6}, 9.07528 \times 10^{-8}, 0.00102423, 0.000202365, 0.0927662, 0.000268381, 0.00772658, 0, 0.00142788, 0.00018039, 0, 0.000661866, 0.0000173404, 0.000780801, 0.00383673, 0, 1.31481 \times 10^{-6}, 0.000626922, 0.00189564, 0.000236571, 0.0085766, 0.000932123, 0.00325416, 0.00109267, 0.00132992, 0\},$

10^η γραμμή {0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0.00330596, 0, 0, 1.44139 $\times 10^{-6}$, 0, 0, 2.39 $\times 10^{-8}$, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 3.45552 $\times 10^{-7}$, 0, 0, 0, 0, 1.21723 $\times 10^{-11}$, 0, 1.31323 $\times 10^{-6}$, 5.9731 $\times 10^{-9}$, 1.06736 $\times 10^{-9}$, 3.4846 $\times 10^{-7}$, 5.04842 $\times 10^{-6}$, 0, 8.94343 $\times 10^{-7}$, 1.75944 $\times 10^{-8}$, 0, 1.91752 $\times 10^{-7}$, 0, 4.19485 $\times 10^{-7}$, 2.33843 $\times 10^{-6}$, 0, 0, 1.06992 $\times 10^{-7}$, 0, 0.0000209932, 0.0000163913, 0, 0, 7.67814 $\times 10^{-8}$, 0, 0},

11^η γραμμή {0.000217795, 0.0000820896, 0.00902033, 0, 0, 0, 4.33649 $\times 10^{-8}$, 0.0000674432, 0.000499072, 0.00518471, 0.0399833, 0.0644311, 0.0124737, 0.000277537, 0.00179356, 0.000158378, 6.49469 $\times 10^{-6}$, 0.00146436, 0.00238993, 0.000440064, 0.00029395, 0.00459326, 0.00015146, 0.000397457, 0.0000726767, 0.0000866215, 0.00011215, 0.0000645453, 0.000108491, 0.0114438, 0.000040678, 1.09441 $\times 10^{-6}$, 7.74189 $\times 10^{-7}$, 0.0000168856, 0.000285066, 0.00217665, 0.00799857, 0.0040293, 0.0000614411, 0.000205583, 0, 0.000163923, 7.38216 $\times 10^{-6}$, 0, 7.78287 $\times 10^{-6}$, 0, 0.00029282, 0.000458982, 5.6382 $\times 10^{-6}$, 3.24442 $\times 10^{-7}$, 0.000142638, 0, 0.0000132301, 0.0000433325, 1.50435 $\times 10^{-7}$, 0.0000512824, 0.000253759, 0.000106469, 0},

12^η γραμμή {2.87704 $\times 10^{-8}$, 0, 7.84762 $\times 10^{-6}$, 0, 0, 0, 0, 6.38761 $\times 10^{-7}$, 8.12125 $\times 10^{-7}$, 0.000168037, 0.0235852, 0, 5.15204 $\times 10^{-6}$, 0, 0.0000443113, 1.98755 $\times 10^{-8}$, 1.56701 $\times 10^{-7}$, 0, 0, 3.70574 $\times 10^{-6}$, 0, 6.3585 $\times 10^{-7}$, 4.78142 $\times 10^{-6}$, 0, 8.97945 $\times 10^{-6}$, 3.77789 $\times 10^{-6}$, 0, 0.0000170833, 6.10281 $\times 10^{-9}$, 5.2825 $\times 10^{-6}$, 0.0000511212, 0.00246023, 9.94092 $\times 10^{-7}$, 0.000041558, 0.000284578, 0.000135483, 0.000481097, 0.0000112658, 0.00023819, 0.000456581, 0.0000671228, 1.7936 $\times 10^{-6}$, 0.000059246, 9.07021 $\times 10^{-6}$, 3.75389 $\times 10^{-6}$, 0.0000314744, 0.0000916048, 0.0000154144, 0.0000546205, 0.000328205, 0.000798915, 0.0000873772, 0.000357086, 0.00920161, 0.0000713177, 0.000498173, 0.000109237, 0},

13^η γραμμή {0.0000342006, 0.0000129054, 0, 0, 0, 0, 0, 9.23982 $\times 10^{-7}$, 0, 9.08857 $\times 10^{-6}$, 0.00125951, 0.064648, 8.93126 $\times 10^{-6}$, 4.37838 $\times 10^{-6}$, 0.000246768, 5.39064 $\times 10^{-9}$, 0.0000320378, 7.0738 $\times 10^{-7}$, 8.49718 $\times 10^{-9}$, 3.86402 $\times 10^{-8}$, 2.39834 $\times 10^{-7}$, 5.17571 $\times 10^{-6}$, 0, 2.29148 $\times 10^{-9}$, 2.81922 $\times 10^{-10}$, 0.0000287628, 0.00010943, 1.81708 $\times 10^{-6}$, 0.0000289845, 2.16076 $\times 10^{-10}$, 3.74865 $\times 10^{-6}$, 0, 8.96396 $\times 10^{-10}$, 6.19348 $\times 10^{-6}$, 0.0000226363, 2.25803 $\times 10^{-6}$, 5.68894 $\times 10^{-9}$, 5.86456 $\times 10^{-6}$, 0.0000265471, 0, 0.0000126937, 9.25197 $\times 10^{-8}$, 0, 1.00924 $\times 10^{-6}$, 0, 6.62406 $\times 10^{-6}$, 0.0000372595, 7.44464 $\times 10^{-7}$, 5.2311

$5 \times 10^{-6}, 0.0000870414, 0, 5.84328 \times 10^{-7}, 0.0000556314, 2.26207 \times 10^{-8}, 0.000105775, 0.0000743, 0.0000322867, 0\},$

14^η γραμμή {0, 0, 0.00248155, 0, 0, 0, 0.000109042, 0.000596532, 0.00392726, 0.00496107, 0.00146067, 0.000399023, 0.000634785, 0.173984, 0.00112919, 0.00018221, 0.0000497631, 0.0071397, 0.00160061, 0.00103865, 0.000133858, 0.00122214, 0.00152745, 0.0000446012, 0.0013352, 0.0000937716, 0.00178802, 0.000436711, 0.000393449, 0.0932504, 0.000031344, 0.000192276, 0, 0.00207063, 7.16181×10^{-7} , 0.000392637, 0.0000861559, 0.0104482, 0.000114418, 0.000117595, 0.0000259308, 0.000580082, 0.0000285095, 1.19668×10^{-7} , 0.0000263604, 9.09752×10^{-7} , 0.000181524, 0.000846289, 0.0000141118, 7.18502×10^{-6} , 0.000766942, 0, 0, 8.1958×10^{-6} , 8.19256×10^{-8} , 1.21815×10^{-6} , 0.000538888, 0.00615371, 0},

15^η γραμμή {0.0000410855, 0.0000152371, 0.00124633, 0.00143871, 0.000418878, 0, 0.000487195, 0.000574473, 0.0023136, 0.0119735, 0.000629576, 0.000500345, 0.00256074, 0.00393917, 0.105584, 0.0568789, 0.00211002, 0.00408442, 0.00242856, 0.00104095, 0.000566929, 0.000347771, 0.000274675, 0.000207915, 0.000605595, 0.000286402, 0.000327047, 0.0000546818, 0.000159089, 0.000309767, 0.00075867, 0.0000270251, 3.9786×10^{-6} , 0.0000516296, 0.00131802, 0.00534799, 0.00249746, 0.00658527, 0.000519839, 0.000397108, 0.000803366, 0.00197692, 0.000786632, 8.56795×10^{-6} , 0.00227136, 0.00132063, 0.000355419, 0.00109, 0.0110538, 0.000264072, 0.00256773, 0.000227878, 4.2509×10^{-9} , 0.0000244649, 1.49079×10^{-7} , 0.00073469, 0.00032891, 0.000197135, 0},

16^η γραμμή { 6.72117×10^{-6} , 2.49353×10^{-6} , 0, 0.00215161, 0.000626436, 0, 0.000728417, 0.000566703, 0.00109271, 0.00354036, 0.000658693, 0.000667213, 0.000926315, 0.000888521, 0.000918441, 0.00779979, 0.0000706363, 0.00360384, 0.000693545, 0.00127515, 0.000444864, 0.000421317, 0.000204223, 0.000139055, 0.000142116, 0.000116845, 0.000253167, 0.0000524046, 0.000345029, 0.000222479, 0.000974351, 0.000172724, 0.0000329817, 0.00148036, 0.0000591119, 0.000873863, 0.000358683, 0.00236454, 0.000866332, 0.00195743, 0.00311848, 0.000361084, 0.000136845, 0.00391106, 0.00324335, 0.00313536, 0.000116199, 0.00884982, 0.0293384, 0.0273154, 0.0152344, 0.00332614, 0.00317977, 0.000755023, 1.79745×10^{-6} , 0.0265892, 0.00884746, 0.00025294, 0},

17^η γραμμή {0.0288899, 0.0109879, 0.0490683, 0.0315049, 0.0134243, 0, 0.0365384, 0.0595658, 0.00619858, 0.00422026, 0.00319093, 0.00123645, 0.022144, 0.0154719, 0.00781165, 0.00778559, 0.0571809, 0.00459604, 0.0061631, 0.0182219, 0.0166041, 0.009492, 0.00653756, 0.00297634, 0.00493255, 0.0033769, 0.00387186, 0.0020865, 0.00711841, 0.00373695, 0.0228749, 0.0400483, 0.0200958, 0.0201881, 0.000630885, 0.0116553, 0.00513783, 0.00708867, 0.0971068, 0.0410395, 0.0508519, 0.023844

3,0.00508311,0.00333739,0.00244668,0.00353057,0.000832525,0.00946631,0.00183996,0.00262091,0.00727824,0.00418974,0.000461776,0.0135122,0.019139,0.00844415,0.00295777,0.000597655,0},

18^η γραμμή{0.00685911,0.00259251,0.000133852,0.00751826,0.00218893,0,0.00720348,0.00513921,0.0025672,0.000304365,0.0141879,0.000576038,0.00457722,0.00707307,0.0112392,0.00563598,0.00414541,0.0712672,0.0476702,0.00271626,0.00314078,0.0075651,0.00364144,0.00578601,0.0101339,0.00112503,0.029431,0.0458012,0.0020835,0.00419638,0.0016271,0.0000133644,0.000395287,0.000406432,0.00131398,0.00758909,0.00127721,0.00380071,0.000357881,0.000640223,0.0000857394,0.000572468,0.0000220377,0.000246939,0.000530078,0.0000394688,0.000495989,0.00147619,0,0.00145003,0.00156109,0.00158641,0.000185639,0.0213597,0.00316701,0.00214141,0.0025592,0.00131023,0},

19^η γραμμή{0.00113413,0.000427609,0.0000145139,0.00502974,0.0014644,0,0.00170472,0.00431378,0.00523842,0.00444553,0.00368695,0.00141295,0.0111612,0.00628148,0.00726657,0.00396037,0.0000446557,0.00483955,0.0240562,0.00123383,0.000714705,0.00428601,0.00612446,0.0104343,0.00906726,0.00524282,0.00559897,0.00153177,0.000656107,0.00851983,0.00170636,0.000120568,0.000164862,0.0124715,0.000807635,0.00697246,0.00503933,0.00160131,0.00258203,0.000632572,0.00149084,0.00089262,0.0000281828,2.5814×10⁻⁷,0.000284482,0.00007723,0.0003495,0.00296348,0.000378104,0.000144762,0.00041325,0,0.0000450757,0.000123589,0.0000132447,0.0000190692,0.000248815,0.00565518,0},

20^η γραμμή{4.69899×10⁻¹²,0,0,0,0,0,0,0,0.0034217,0.00427103,0.00068421,0.000340268,0.000544086,0.000979956,0.00081829,0.000132416,0.0000548232,0.00594219,0.00363288,0.100792,0.000897269,0.000963626,0.00522027,0.00216607,0.0107669,0.00034537,0.0229201,0.00228793,0.00238307,0.00202598,1.0109×10⁻⁶,0.0000752427,0.0000227736,0.0930066,3.65939×10⁻⁶,0.000441873,6.96843×10⁻⁶,0.00224006,0.0004815,0.00023952,0.000301187,0.000417793,4.54034×10⁻⁶,0,9.50664×10⁻⁶,3.61777×10⁻¹⁰,0.000184428,0.00108063,0,0.0000501662,0.0000864132,0,0.000020284,0.00206332,7.73626×10⁻⁶,0.0000224488,0.00112322,0.000162635,0},

21^η γραμμή{0,0,0,0,0,0,0,0,0.00241998,0.00305653,0.0360606,0.000241834,0.0004149,0.00196018,0.00112404,0.000872704,0.0000304618,0.00354499,0.0167822,0.00365495,0.274564,0.170224,0.0579855,0.0214213,0.13015,0.0196921,0.0114136,0.03274,0.0660339,0.00850832,0.217991,0.000157497,0.0000487553,0.0162976,0.00487219,0.00126271,6.10019×10⁻⁶,2.80245×10⁻⁸,0.000400679,0.000135483,0,0.

000835786, 4.72174×10⁻⁷, 0, 5.12903×10⁻⁶, 0, 0.000506686, 0.00263146,
0, 4.83479×10⁻⁸, 2.7615×10⁻⁶, 0, 0.0000174033, 8.2358×10⁻⁶, 0.0000717
337, 7.24763×10⁻⁷, 0.000740334, 0, 0},

22^η γραμμή {0.000275527, 0.00840853, 0, 0.00208464, 0.000606938, 0, 0.0
00705745, 0.000549064, 0.00858915, 0.0104144, 0.0108251, 0.00227982
, 0.00638297, 0.00377272, 0.00446904, 0.00533869, 0.000103582, 0.010
8324, 0.0103621, 0.00304528, 0.0039552, 0.0392207, 0.0086748, 0.0090
7322, 0.0141987, 0.00284644, 0.00191381, 0.00236369, 0.0136269, 0.00
632955, 0.0033701, 0.000850304, 0.00181241, 0.0610846, 0.000224609,
0.000517738, 0.000142383, 0.00328634, 0.000735916, 0.00300853, 0.00
00921327, 0.000452338, 0.00005166, 3.95443×10⁻⁷, 0.000114798, 0.000
0131254, 0.000267448, 0.00098621, 0.00113179, 0.0000477343, 0.0036
2875, 0.000968073, 0.0157162, 0.000105644, 0.0114195, 0.000945797,
0.000601249, 0.000480073, 0},

23^η γραμμή {0.000920221, 0.00034724, 0, 0.00428098, 0.0151258, 0, 0.004
59097, 0.0054008, 0.000377621, 0.000506621, 0.000756872, 0.00038769
5, 0.000401879, 0.00187813, 0.000710518, 0.00154499, 0.0000520177, 0
.000621944, 0.00102273, 0.00269935, 0.000971087, 0.00123307, 0.0214
564, 0.0000319025, 0.000662608, 0.000337315, 0.000192727, 0.0010897
1, 0.00255809, 0.000406793, 0.00143976, 0.00160221, 0.00700188, 0.00
096938, 0.0000578886, 0.000103139, 8.66252×10⁻⁶, 0.000307972, 0.0003
18268, 0.000183662, 0.00102688, 0.000409112, 0.0000823492, 8.98447
×10⁻⁷, 8.97134×10⁻⁶, 2.9617×10⁻¹¹, 0.000120543, 0.000697318, 0.00002
46104, 8.04161×10⁻⁶, 0.00027828, 0.00829484, 7.51487×10⁻⁶, 5.1975×10<sup>-
-6</sup>, 0.00207953, 0.000353763, 0.0000512822, 0.0000668162, 0},

24^η γραμμή {0, 0, 0, 0, 0, 0, 0, 0, 0.0000188635, 0.0000288454, 0.000038210
2, 0.0000220665, 0.0000228746, 0.0000314026, 0.0000389734, 0.000064
8778, 2.96129×10⁻⁶, 0.0000293077, 0.0000431963, 0.000146136, 0.0000
514542, 0.0000313214, 5.66632×10⁻⁶, 0.000878274, 3.45209×10⁻⁶, 2.91
111×10⁻⁶, 2.26386×10⁻⁶, 8.30989×10⁻⁶, 0.0000169426, 0.0000209129, 0.
0000355113, 4.19672×10⁻⁷, 5.19016×10⁻⁸, 3.04875×10⁻⁶, 1.6105×10⁻⁸, 1.
419×10⁻⁶, 2.92637×10⁻⁷, 0.0000246776, 0.0000310972, 0.0000130521, 0
.0000384746, 0.0000267527, 7.07268×10⁻⁶, 7.73019×10⁻⁸, 6.88916×10⁻⁷
, 0.000118898, 1.19136×10⁻⁶, 0.000161838, 0.000650607, 0.0000406196
, 6.06672×10⁻⁶, 0.0000511108, 0.000032619, 1.22041×10⁻⁶, 8.3772×10⁻⁹
, 0.0000337612, 9.2542×10⁻⁶, 0.0000109658, 0},

25^η γραμμή {5.50062×10⁻¹⁰, 0, 0, 0.00225272, 0.000655874, 0, 0.000762648
, 0.000593334, 0.000470183, 0.000718888, 0.00103606, 0.000549943, 0.
000570118, 0.000801171, 0.00097464, 0.00154847, 0.0000738016, 0.000
782898, 0.00153119, 0.00369494, 0.00129943, 0.00132317, 0.00696046,
0.000836166, 0.0336006, 0.00122621, 0.000653619, 0.00201598, 0.0018

6751, 0.000699879, 0.0210129, 0.00253235, 0.0111734, 0.0184678, 1.38
727×10⁻⁶, 0.000122807, 0.000100195, 0.000874957, 0.00166282, 0.0006
07475, 0.00619523, 0.00163398, 0.000254466, 2.77615×10⁻⁶, 0.0000330
1 05, 7.59263×10⁻⁸,
0.0000553088, 0.000491166, 0.00177299, 0.0000903983, 0.000254684, 0
, 0.0000708677, 0.000106038, 3.32491×10⁻⁷, 0.000042381, 0.00279945,
0.0000560979, 0},

26^η γραμμή {8.7391×10⁻⁹, 0, 0, 0, 0, 0, 0, 4.69488×10⁻⁸, 0, 2.48317×10⁻⁶,
0, 0, 1.96319×10⁻⁶, 0, 0.0000421325, 0, 2.43588×10⁻⁶, 6.24 523×10⁻⁶, 2.
63082×10⁻⁶, 6.07595×10⁻⁷, 0.0000423772, 0.000564307, 0.0246186, 0.001
04088, 0.0310287, 0.000149955, 0.000034044, 1.33699×10⁻⁶, 0.00014880
9, 0.0000313507, 0.0000183935, 0.0000105934, 0.000797435, 0, 0.00012
1657, 0.00153243, 0.000030551, 0.0000626361, 0.0000187598, 0.000029
2441, 0.0000883035, 0.00378426, 0.0000418701, 1.14602×10⁻⁶, 2.49891
×10⁻⁸, 0.0000483098, 0.000131291, 0.00069881, 0.0000509617, 0.00087
3552, 0, 3.49006×10⁻⁹, 4.31833×10⁻⁶, 1.47991×10⁻⁷, 9.73073×10⁻⁷, 0.00
0792441, 8.70804×10⁻⁶, 0},

27^η γραμμή {0, 0, 0, 0, 0, 0, 0, 2.01127×10⁻⁹, 0, 2.44727×10⁻⁶, 0, 1.12237
×10⁻⁹, 1.3792×10⁻⁷, 1.07496×10⁻⁷, 0.0000739839, 0, 1.08226×10⁻⁶, 0.000
0105941, 1.31186×10⁻⁶, 5.80443×10⁻⁷, 0.0000170117, 0.00035391, 3.289
87×10⁻⁷, 0.0000478816, 0.000136231, 0.0256931, 0.0000265375, 0.00108
126, 7.98745×10⁻⁶, 0.0000530039, 0.00001715 02, 0.0000108413, 0.0000
861478, 1.09759×10⁻⁷, 0.0000122172, 9.37097×10⁻⁷, 0.0000393795, 0.00
00135937, 0.0000311466, 0.001559 27, 0.000145384, 0.0000236984, 2.60
293×10⁻⁷, 1.55974×10⁻⁶, 2.65 193×10⁻¹⁰, 0.0000199033, 0.000023933, 0.0
000327364, 0.00117325, 0.00018024, 0.00108151, 2.44759×10⁻⁶, 0.0100
837, 4.12932×10⁻⁷, 0.0000155731, 0.000222299, 3.13495×10⁻⁶, 0},

28^η γραμμή {0, 1.69421×10⁻⁶, 0, 0.0000301944, 0.000135001, 0, 0.00003238
07, 0.0000533836, 0.0000804898, 0.0000468235, 0.0000404066, 0.00007
00337, 0.0000506772, 0.000106116, 0.0000604957, 0.000195982, 4.8358
×10⁻⁸, 0.0000720172, 0.000139607, 0.000439286, 0.0000106721, 0.0000
910283, 0.0000573867, 0.0000566015, 0.000458147, 9.06809×10⁻⁶, 0.00
005692270.00362875, 0.000023056 7, 0.0000948528, 0.000163566, 2.16
325×10⁻⁸, 0.000280821, 2.16 353×10⁻⁶, 0.00164203, 4.11624×10⁻⁶, 2.878
86×10⁻⁷, 5.13253×10⁻⁸, 0.00 0241276, 1.79384×10⁻⁶, 0.000202964, 0.000
0889289, 6.83762×10⁻⁶, 7.55865×10⁻⁸, 5.6996×10⁻⁷, 8.57761×10⁻¹³, 0.00
00303911, 0.00031 7419, 2.00886×10⁻⁷, 2.21422×10⁻⁷, 0.0000404241, 0.0
012292 9, 6.09 596×10⁻⁶, 7.86984×10⁻⁶, 0.00115362, 0.00039346, 0.00003
4 9303, 5.73171×10⁻⁷, 0},

29^η γραμμή {0, 0, 0.00435244, 0.000673847, 0.00301281, 0, 0.00072264, 0.
00119136, 0, 0, 0, 0, 0, 0, 1.2834×10⁻⁸, 0.000171721, 8.0867 7×10⁻⁸, 0, 0

.00434377,0.000461229,0.000278649,0.00025135,0.000444213,2.390
05×10⁻⁶,0.000397507,0.000790535,0.0219148,0.000816822,0.0022493
,0.0112817,0.00318576,0.00127001,0.000873843,0},

34^η γραμμή{0.000921042,0.000904956,0,0.0399269,0.00358452,0,0.01
81817,0.0181155,0.00455345,0.00609405,0.00612329,0.00360404,0.
0379019,0.0370886,0.00793399,0.00830616,0.00220376,0.00773882,
0.00668327,0.0100163,0.00919937,0.00444704,0.000914388,0.00064
8641,0.00141976,0.000804701,0.000593459,0.00237099,0.00291261,
0.00386221,0.0125432,0.00330135,0.0045689,0.000107886,0.000308
553,0.0047477,0.00296614,0.00517475,0.000198624,0.00300657,0.0
0448926,0.00733396,0.00135969,0.00485679,0.0359134,0.0133762,0.
.0687046,0.00140676,0.000510931,0.0147546,0.0108989,0.0167598,
0.0024788,0.00678151,0.0000632726,0.0464912,0.0174381,0.000283
117,0},

35^η γραμμή{0.00771073,0.00618668,0.00667225,0.0120356,
0.0415916,
0,0.0122575,0.0194254,0.0154257,0.0100863,0.0112609,0.0122896,
0.0121209,0.0173394,0.012915,0.00975646,0.00563621,0.0159184,0
.013232,0.0150725,0.00496921,0.00726848,0.00668504,0.0112855,0
.0100597,0.0109694,0.0138678,0.012408,0.00470478,0.0121709,0.0
128386,0.00271146,0.00364717,0.0112307,0.00189726,0.0163986,0.
0105593,0.00983879,0.0393023,0.00356951,0.00352929,0.00595914,
0.00163032,0.000467601,0.000631973,0.00188153,0.00101857,0.037
776,0.00683226,0.00249249,0.0067696,0.0151183,0.00150393,0.007
28083,0.00354726,0.00385586,0.00245885,0.00135911,0},

36^η γραμμή{0.0423082,0.033954,0.036619,0.0185273,0.0157375,0,0.0
163988,0.0258853,0.0780975,0.0513823,0.0587595,0.0615373,0.062
5329,0.0849865,0.066118,0.0397874,0.0309221,0.0816724,0.061806
6,0.0481657,0.0251446,0.0337047,0.0324937,0.0557897,0.0530622,
0.0564733,0.0705082,0.0670968,0.0248042,0.0593432,0.0461798,0.
0142858,0.0183487,0.0533343,0.0103418,0.0158375,0.0119838,0.05
0308,0.0218825,0.01536,0.0193696,0.00966771,0.00785113,0.00255
441,0.00320043,0.00282294,0.00214091,0.0137251,0.0197839,0.012
1875,0.0119796,0.0166769,0.00824602,0.0393349,0.0193312,0.0153
424,0.011351,0.00530882,0},

37^η γραμμή{0.0310276,0.0249009,0.0268553,0.0135757,0.0115117,0,0
.0119441,0.0165415,0.0572744,0.0376822,0.0430925,0.0451296,0.0
458598,0.0623266,0.048489,0.0293565,0.0226773,0.0598961,0.0453
271,0.0353233,0.0184403,0.024718,0.0238299,0.0409145,0.0389143
,0.0414158,0.0517086,0.0492068,0.018191,0.0435205,0.033761,0.0
104768,0.0134564,0.0391169,0.00758439,0.0116143,0.00878856,0.0

368944,0.016048,0.011269,0.0142051,0.00709234,0.0057578,0.00187333,0.00234727,0.00207026,0.00159843,0.0102884,0.0146479,0.00911132,0.0090508,0.0154703,0.00604769,0.0288524,0.0141769,0.0112581,0.00832634,0.00402555,0},

38^η γραμμή {3.63092×10⁻⁸,0.000017905,0,0.0000341829,0.000784529,0,0.000105959,0.0000979182,0.000460622,0.000855669,0.000762568,0.00144801,0.000929893,0.000546548,0.000631738,0.000694995,0.0000919469,0.00110208,0.000792247,0.000642855,0.000516011,0.0011319,0.000983814,0.00254571,0.000750841,0.00242486,0.000531773,0.00046396,0.00194603,0.000594079,0.000570151,0.000107258,0.0000760857,0.000030357,1.11978×10⁻⁶,0.000298447,0.000185189,0.0000166653,0.000592626,0.0117357,0.0357455,0.0268472,0.0000426731,0.000356008,0.0232783,0.0268522,0.000132578,0.00281076,0.00363401,0.00851474,0.00946663,0.00173852,0.0000124426,0.000594948,3.9422×10⁻⁶,0.0150412,0.00552648,0.0596722,0},

39^η γραμμή {0.00253777,0.00100604,0.00361218,0.00471576,0.0885141,0,0.0718499,0.0302074,0.00177492,0.00279081,0.00301366,0.00476115,0.00287412,0.0029391,0.00204432,0.00304458,0.000284993,0.00689915,0.00253118,0.00212628,0.00245708,0.00368521,0.00318232,0.00884657,0.00228594,0.00944738,0.00252326,0.00146963,0.00357019,0.00183697,0.0082735,0.00169074,1.01716×10⁻⁶,0.00344055,0.00421491,0.048472,0.0220032,0.0000130611,0.00256596,0.00350115,0.000280017,0.0221083,0.0000746812,0.00310278,0.000375311,0.00123801,0.00170778,0.00813617,0.00111964,0.00832422,0.00213426,0.00344095,0.000555195,0.000890408,0.0000331778,0.00649479,0.00243193,0.0115237,0},

40^η γραμμή {3.77477×10⁻⁷,0,0.00441523,0,0,0,0,0,8.41026×10⁻⁶,0.0000107048,0,0.0000148018,0,0.0000679104,0,0.0000388807,2.61984×10⁻⁷,2.05954×10⁻⁶,0,0,0.0000488418,0,8.37168×10⁻⁶,0.0000630251,0,0.000118324,0.0000497974,0,0.00151496,8.04426×10⁻⁸,0.0000778054,7.35289×10⁻⁶,1.17581×10⁻⁷,0.0000322744,0.000120332,0.00273912,0.00151072,7.42794×10⁻⁶,0.0112469,0.0221333,0,0.00481056,0.0000773461,2.31927×10⁻⁹,0.000907485,0.0000133815,0.000104069,0.00044966,0.000124136,0.00445174,0.00091174,0.00070702,5.65344×10⁻⁶,0.000087158,1.67641×10⁻⁶,2.2348×10⁻⁶,0.000535377,2.36126×10⁻⁶,0},

41^η γραμμή {2.55628×10⁻⁷,0,0,0,0,0,0,0,0.00042833,0.000792785,0.00070091,0.00133965,0.000854705,0.000542337,0.000580658,0.00114671,0.0000846666,0.00101418,0.000728189,0.000590876,0.000503043,0.00104038,0.000909196,0.00237698,0.00069013,0.00229846,0.000518093,0.000426446,0.00106805,0.000546091,0.000553532,0.00038

5488, 3.48329×10⁻⁶, 0.000152358, 0.0000317518, 0.00188722, 0.00107064, 0.000183843, 0.000183221, 0.00104437, 0.00133535, 0.0110547, 0.00121654, 0.000832723, 0.000179466, 0.000794366, 0.000182152, 0.00147101, 0.00197779, 0.00109524, 0.00493691, 0.0108786, 4.35887×10⁻⁶, 8.24106×10⁻⁶, 5.92929×10⁻⁷, 0.00403281, 0.00122482, 0.000187742, 0},

42^η γραμμή {2.52984×10⁻⁶, 8.63885×10⁻⁷, 0.00123003, 0, 0, 0, 0, 0.00035657, 0.000433605, 6.7253×10⁻⁶, 0.0000816181, 0.000112095, 0.0000147365, 0.000274827, 0.000325269, 0.000191898, 0.00031402, 0.000197788, 0.0000888097, 0.0000928812, 0.0000423693, 0.0001526, 0.000134632, 0.000548525, 0.0000302794, 0.0000942393, 0.000105404, 0.0000482699, 0.00502402, 0.0000752784, 0.0000759254, 5.27103×10⁻⁶, 1.39974×10⁻⁷, 0.00509276, 1.70315×10⁻⁶, 0.00176817, 0.00164326, 0.00132923, 0.0241698, 0.0730753, 0.011699, 0.0193656, 0.00227595, 0.000158439, 0.00291432, 9.21942×10⁻⁶, 0.0000957091, 0.00129082, 0.00226409, 0.00073546, 0.000345544, 0, 1.493×10⁻⁹, 0.0019676, 5.10165×10⁻⁷, 6.28489×10⁻⁷, 0.000572102, 0.0000273573, 0},

43^η γραμμή {0.0000252598, 7.83799×10⁻⁶, 0.00196291, 0.000126379, 0.00272468, 0, 0.00146093, 0.00385207, 0.00252339, 0.00149417, 0.00446469, 0.0069452, 0.00567704, 0.00543356, 0.00454232, 0.0184426, 0.000296077, 0.0042495, 0.00480743, 0.00443075, 0.00185888, 0.00552992, 0.00474523, 0.0104603, 0.00372185, 0.00742367, 0.00673539, 0.00175817, 0.00292933, 0.00505473, 0.0038084, 0.00776156, 0.00173266, 0.00448037, 0.00829482, 0.0327905, 0.0240782, 0.0102221, 0.00638907, 0.00818352, 0.0141495, 0.0207683, 0.0645886, 0.0276694, 0.0403877, 0.037282, 0.00174538, 0.0268526, 0.0576091, 0.0145112, 0.0397816, 0.0119564, 0.000440748, 0.00266249, 0.0000261998, 0.0155333, 0.0129575, 0.00146262, 0},

44^η γραμμή {0.0229269, 0.0224798, 0.0180203, 0.0167046, 0.0164257, 0, 0.0262058, 0.0184203, 0.0159038, 0.0144962, 0.0165871, 0.0154531, 0.0161636, 0.0171594, 0.0166253, 0.0222876, 0.0166855, 0.0163904, 0.0161907, 0.0161922, 0.0170883, 0.0185509, 0.0141445, 0.0169279, 0.0161388, 0.0174393, 0.0160867, 0.00943409, 0.0151204, 0.0124811, 0.0175925, 0.0214283, 0.00731498, 0.0102649, 0.0286018, 0.0409924, 0.0367343, 0.0118233, 0.01763, 0.00227542, 0.0197258, 0.0163419, 0.0156006, 0.0344163, 0.0246545, 0.0327704, 0.0156727, 0.0165571, 0.0126526, 0.0212621, 0.0342407, 0.0247062, 0.0036092, 0.00687767, 0.00221526, 0.0367892, 0.0203564, 0.0156952, 0},

45^η γραμμή {0.000475101, 0.000179168, 0.00147721, 0.0000517043, 0.0144715, 0, 0.00170258, 0.00197104, 0.00144198, 0.00299654, 0.00432351, 0.00225555, 0.00188502, 0.00264538, 0.0028437, 0.00290282, 0.00107422, 0.00225541, 0.0030393, 0.00236376, 0.00158396, 0.00202474, 0.001

97081,0.000951447,0.00197328,0.00147436,0.0012314,0.000716733,
0.00351161,0.00225475,0.00110626,0.0000179819,0.0000358554,0.0
0168667,0.000294012,0.0021877,0.00165624,0.000283147,0.0099037
5,0.0150793,0.0034458,0.00219287,0.000108591,0.0019902,0.02205
93,0.00192931,0.00018048,0.00242087,0.000129971,0.000498395,0.
000682642,0.000496586,0.000158766,0.0000360563,1.70036×10⁻⁶,0.
000809005,0.000722559,0.0000347976,0},

46^η γραμμή {0.0000800743,0.0000300871,0,0,0,0,0,9.57464×10⁻⁶,9.4
6769×10⁻⁶,0,0.0000130912,0,0.0000600622,0,5.44438×10⁻⁹,2.31707×1
0⁻⁷,1.84429×10⁻⁶,0,0,0.0000432145,0,7.44088×10⁻⁶,0.0000557415,0,
0.000104788,0.0000440424,0,0.0000507921,7.11461×10⁻⁸,0.00006160
57,0.0000206976,3.30979×10⁻⁷,0.00088591,0.0042126,0.00247956,0.
00241906,0.000303912,0.0000406806,0.000709463,0.00130635,0.000
10045,0.000635402,0.000162952,0.147681,0.0523598,0.000495444,0
.00017005,5.41025×10⁻⁶,4.2175×10⁻⁶,0.00388409,0,0,3.73391×10⁻⁶,2
.73987×10⁻⁸,0.0145826,0.000260801,0.0001138,0},

47^η γραμμή {4.3616×10⁻⁷,0,0.000479261,0.00538428,0.00271689,0,0.0
297727,0.0252978,0.00496731,0.0189648,0.0192045,0.0333522,0.01
94577,0.0259818,0.0305279,0.0345665,0.0109561,0.00602762,0.018
9702,0.0152296,0.00415081,0.0221539,0.0205363,0.0094354,0.0121
938,0.0102276,0.00975131,0.0045971,0.00428797,0.0247207,0.0044
7207,0.00401474,0.00455654,0.0138992,0.0958611,0.00426394,0.06
09491,0.0117227,0.00900795,0.00284236,0.0168066,0.0193739,0.01
45762,0.00967716,0.0474435,0.0362283,0.00419715,0.0759663,0.05
00332,0.0149019,0.0483169,0.0112615,0.000919019,0.010711,0.016
2453,0.193084,0.0352996,0.021886,0},

48^η γραμμή {0.000560759,0.000211599,0,0.0011675,9.31427×10⁻⁶,0,0.0
01963,0.00567362,0.0000147719,0,0,0,0,0,2.10963×10⁻⁷,0,0,0,0,
0,0,0,0,0,0,0.000865157,0,0.000443684,0.00416824,0.030981,
0.00111605,0,2.74379×10⁻⁶,0.0000178341,0.000510791,0.015057,0.
0114245,0.0487396,0.0209522,0.0000706239,0.0105949,0.00337474,
0.000800883,0.0000646197,0.020538,0.00167715,0.0025477,0.00532
674,0,0.000202514,0.000144685,0.0116341,0.00353133,0.0168102,0
.0000355183,0},

49^η γραμμή {0,0,0,0,0,0,0.000285843,0.000785254,0.000169922,0.000
0576848,0.000482576,0.000919517,0.000452382,0.000315095,0.0006
56756,0.00291616,0.0000908404,0.000188645,0.00023462,0.0009971
28,0.000328111,0.000521688,0.000746493,0.000336348,0.000582574
,0.0000769837,0.000327197,0.000150599,0.00048003,0.000480371,0
.000202077,0.0013228,0.00072855,0.000170264,2.40628×10⁻⁷,0.0000
199016,0.000119553,0.0000128999,0.00382981,0.00517219,0.000931

901,0.00149222,0.00378543,0.00752949,0.0100827,0.0246021,0.000
07989,0.00627434,0.053773,0.00795403,0.0135165,0.00278157,0.00
0965712,0.00410155,0.0000129507,0.00144325,0.0229312,0.0002155
9,0},

50^η γραμμή{0,0,0.000706847,0,0,0,0,0,0,0,0,0,0,0,0.0000152811,
0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,2.11653×10⁻⁷,0,0,0,0,0,0,0,7
.12413×10⁻⁷,0,0,0,0,7.78953×10⁻⁶,0,0.000432514,0.0688474,0.0043
768,0.000203524,0.00411096,0.00282933,7.90623×10⁻⁸,0.0000127264
,0.0000136501,0,0},

51^η γραμμή{0.00201469,0.000759232,0.00282358,0.00241289,0.005897
35,0,0.0235205,0.0315455,0.0242964,0.0951617,0.0271871,0.03194
54,0.0269519,0.0261484,0.0401024,0.0682711,0.0255876,0.0382016
,0.0133965,0.0248423,0.0214013,0.041649,0.0698538,0.0753881,0.
0231083,0.0739683,0.0190923,0.0690405,0.0974385,0.0142634,0.01
9505,0.00325285,0.000896852,0.0395872,0.0403262,0.020931,0.018
3661,0.0120686,0.0492118,0.0136762,0.0151806,0.0224654,0.00725
066,0.0701071,0.117478,0.0643954,0.00274858,0.0728493,0.111011
,0.114599,0.128131,0.0215711,0.00192329,0.0120459,0.000127267,
0.129344,0.0503049,0.00366591,0},

52^η γραμμή{0,
0,
0,0},

53^η γραμμή{1.43003×10⁻¹⁰,0,0,0,0,0,0,0,7.68248×10⁻¹⁰,0,0,0,0,0,0,
.000073701,0,4.86696×10⁻¹⁰,0,0,3.69403×10⁻¹⁰,0,7.8454×10⁻¹⁰,0,0,2
.96529×10⁻⁹,0,0,0.0000110211,0,1.74741×10⁻¹⁰,8.86657×10⁻⁶,0.0000
712822,1.32419×10⁻⁶,0.0000152216,1.18903×10⁻⁶,0.0000233954,5.0
4595×10⁻⁸,2.39228×10⁻⁷,0.000161015,0,7.4208×10⁻⁶,2.57546×10⁻⁶,0.
00071163,6.09562×10⁻⁶,0.000348962,0.0000176493,0.0000153613,0.0
0697245,0.00128592,0.00121097,0.00126824,0.000408955,0.0028705
9,8.13042×10⁻⁷,0.0000356309,0.000407305,0.0000312064,0},

54^η γραμμή{0.000403354,0.000152203,0,0,0,0,0,0,0.0000106254,0,0,
0,0,0,0.000373328,0,0,0,0,0,0,0,0,0,0,0,0.00001801,0,3.574
83×10⁻⁷,8.68874×10⁻⁶,0.0000209557,8.46×10⁻⁶,0,0,5.00001×10⁻⁷,1.
9281×10⁻⁷,0.00048942,0.000262976,5.80764×10⁻⁶,0.0000561177,0.00
00190179,0.00418803,0.0095834,0.000990516,0.0000898208,0.00001
78975,0.00176992,0.000459908,0.000447575,0.00667925,1.85494×10<sup>-
7</sup>,0.00495263,3.48572×10⁻⁶,0.00191039,0.000505975,0.00012625,0},

55^η γραμμή{8.30399×10⁻⁷,0,0,0,0,0,0,0,0.0000184379,0.0000234426,0
,0.0000324147,0,0.000148718,0,0.0000238203,5.73722×10⁻⁷,4.52301
×10⁻⁶,0,0,0.000106969,0,0.0000183539,0.00013802,0,0.000259197,0

A.1.β Εισαγωγή μήτρας εισαγωγών M1 – Imp

{

1^η γραμμή { 0.016224, 0.00612204, 0.000227441, 0, 0, 0, 0, 0, 0.0308 855, 0.0197102, 0.00579647, 0.000295825, 1.83851×10⁻⁷, 0.00001 40661, 0.000621423, 4.86145×10⁻⁷, 6.00115×10⁻⁷, 0.000173493, 0.0018245, 1.9578 1×10⁻⁶, 2.17578×10⁻⁷, 7.46092×10⁻⁶, 0.000090541 8, 0, 7.0869×10⁻⁸, 0, 3.1 7688×10⁻⁶, 1.18826×10⁻⁷, 0.0000109741, 0.000908282, 0, 2.27253×10⁻⁸, 0, 3.22514×10⁻¹¹, 0, 0.000461788, 5.1 6888×10⁻⁶, 0.00217093, 0.00012 691, 0.000160329, 0, 0.000287611, 4.15012×10⁻⁶, 0, 6.07133×10⁻⁶, 0, 0.000157474, 0.000863933, 0, 0, 4.10454×10⁻⁸, 0, 5.49112×10⁻⁶, 0.0000130 575, 0, 0.000141394, 0.0000185698, 0.0000834369, 0},

2^η γραμμή { 0, -0.0229273, 0, -0.000497046, -0.000144714, 0, -0.00016827 3, -0.000130915, -0.000190711, -0.0000141343, -0.0000246 186, -0.000 108869, -0.0000348567, -0.0128345, -0.000071075, -0.000114575, -1.7 3648×10⁻⁷, -0.000241241, -0.0000378522, -0.0000317238, -0.00004746 03, -0.0000533182, -0.0000177034, -0.0000117482, -6.2423×10⁻⁶, -6.5 6971×10⁻⁶, -0.0000178382, -6.16856 ×10⁻⁶, -0.0000259003, -0.00018976 5, -0.000149208, -2.27353×10⁻⁷, 0, -2.48253×10⁻⁷, -1.21979×10⁻⁸, -0.0 0001 54122, -2.67196×10⁻⁷, -0.000108766, -4.37269×10⁻⁶, 0, 0, -0.00 00106651, -1.79934 ×10⁻⁷, 0, 0, 0, -6.22401×10⁻⁶, -0.0000303008, 0, 0, - 0.0000183011, 0, -0.00438908, -2.32817×10⁻⁹, 0, -0.000030042, -9.761 41×10⁻⁷, -1.3 1902×10⁻⁶, 0},

3^η γραμμή { 0, 0, 0.00571329, 0, 0, 0, 0, 0, 0.0000868286, 0, 1.20564 ×10⁻⁶, 0, 5.44711×10⁻¹⁰, 2.97723×10⁻⁶, 1.44559×10⁻⁶, 6.56135×10⁻¹⁰, 0, 3.087 1×10⁻⁷, 8.11237×10⁻⁶, 2.15392×10⁻⁸, 1.57914×10⁻⁸, 9.4 2151×10⁻⁷, 5.599 47×10⁻⁷, 0, 1.79088×10⁻⁸, 0, 7.48251×10⁻⁷, 3.0027 7×10⁻⁸, 2.03681×10⁻⁶, 0 .00022 5952, 0, 0, 0, 8.06158×10⁻¹³, 0, 1.61 913×10⁻⁶, 9.88135×10⁻⁷, 0.00 0396125, 4.42042×10⁻⁷, 0.0000297572, 0, 4.56582×10⁻⁶, 7.59014×10⁻⁷, 0, 1.12657 ×10⁻⁶, 0, 2.45×10⁻⁶, 6.7 5737×10⁻⁶, 0, 0, 1.00527×10⁻⁹, 0, 0, 4.49 996×10⁻⁷, 0, 6.40077×10⁻⁶, 3.37844×10⁻⁶, 4.80379×10⁻⁶, 0},

4^η γραμμή { 0, 0, 0, 0.000230879, 0, 0, 0, 0, 7.77329×10⁻⁶, 0, 4.00837×10⁻⁸, 0 , 0, 3.33624×10⁻⁸, 1.24747×10⁻⁷, 0, 2.72999×10⁻⁷, 3.41809×10⁻⁷, 3.98276 ×1 0⁻⁶, 0.0000649265, 0.000277313, 0.0000150358, 2.10 453×10⁻⁶, 0, 0, 0, 0, 0, 3.82603×10⁻⁸, 0, 0.0000192116, 0.00773008, 0, 1.03547×10⁻⁷, 0, 4.

637 76×10⁻⁷, 0, 0, 3.0245×10⁻⁷, 0, 0, 6.82311 ×10⁻⁷, 0, 0, 0, 0, 0.00003147
47, 0.0 0030822, 0, 0, 7.35537×10⁻¹¹, 0, 0, 0, 0, 0, 2.03211×10⁻⁸, 0, 0},

5^η γραμμή {0, 0, 0, 0, 0, 0, 0, 0, 0.00179379, 0.00155499, 0.0155395, 0.010
6627, 0.00335517, 0.00326413, 0.00290213, 0.00211399, 0.62618, 0.008
58176, 0.00383301, 0.00420902, 0.0209154, 0.00826405, 0.0302484, 0.0
0441191, 0.0170696, 0.0154378, 0.0014765, 0.0399221, 0.0777704, 0.00
465257, 0, 0.00977852, 0, 0, 0.0000790891, 0.00491761, 3.22944×10⁻⁶, 0
, 0.000318181, 0, 0, 0.000670898, 0, 0, 0, 0.000407512, 0.00250091, 0,
0, 0, 0, 0, 0, 0, 0, 0},

6^η γραμμή {0,
, 0,
, 0},

7^η γραμμή {0, 0, 0, 0, 0, 0, 0.00086963, 1.35321×10⁻⁶, 7.83687×10⁻⁸, 0, 7.4
4 231×10⁻⁸, 0, 2.49772×10⁻⁷, 2.71842×10⁻⁶, 3.22201×10⁻⁶, 0, 1.81914×10⁻⁸,
0.000108428, 0.0000412715, 0.0000618349, 0.00313359, 0.000168763
, 0.0000177707, 0, 0, 0, 3.42468×10⁻⁷, 0, 4.3248 7×10⁻⁷, 1.47112×10⁻⁸, 0.
0000451802, 0, 0, 8.26541×10⁻⁸, 0, 3.2229 8×10⁻⁶, 0, 0, 2.5302×10⁻⁶, 0, 0, 5
.428 32×10⁻⁶, 0, 0, 0, 2.97877×10⁻⁶, 0.000016823, 0, 0, 0, 0, 0, 0, 0, 0,
0, 0},

8^η γραμμή {0.0000488987, 0.0000184516, 0, 0, 0, 0, 0.00441712, 0.00003
87582, 0, 3.52444×10⁻⁶, 5.774×10⁻⁸, 5.6188×10⁻⁶, 0.0000295003, 0.00015
0251, 5.21391×10⁻⁷, 1.79681×10⁻⁷, 0.000903406, 0.000196211, 0.0179776
, 0.0000481867, 0.0000343069, 0.000160407, 0, 3.98647×10⁻⁶, 3.32466×1
0⁻⁹, 2.63179×10⁻⁶, 2.36607×10⁻⁶, 2.01167×1 0⁻⁹, 6.91138×10⁻⁷, 0.0001820
38, 6.8494×10⁻⁷, 0, 0.00360693, 4.180 37×10⁻⁹, 0.0000413416, 1.94344×1
0⁻⁷, 0.0000968435, 0.0000219787 , 0, 0, 0.0000635213, 1.6021×10⁻⁷, 0, 0,
0, 0.0000276727, 0.000155 002, 0, 0, 9.43973×10⁻¹¹, 0, 2.26394×10⁻⁸, 0, 0
, 0, 7.77171×10⁻⁷, 1.1 7443×10⁻⁶, 0},

9^η γραμμή {0.00458546, 0.0017303, 0.00122827, 0, 0, 0, 0, 0.0148748, 3.
18015×10⁻⁶, 0.000301175, 4.77464×10⁻⁶, 0.00346647, 0.0000173682, 0.00
0647953, 0.0000289838, 6.23451×10⁻⁷, 0.000673597, 0.000781643, 0.000
0169736, 1.18036×10⁻⁶, 1.61367×10⁻⁶, 0.0000434 419, 5.22257×10⁻⁷, 6.85
83×10⁻⁹, 9.79136×10⁻⁷, 2.67631×10⁻⁶, 1.149 93×10⁻⁸, 0.000124294, 0.000
0874987, 5.78692×10⁻⁷, 3.18692×10⁻⁷, 0, 4.70521×10⁻⁷, 2.13287×10⁻⁸, 0.0
00240714, 0.0000475598, 0.0218019, 0.0000630749, 0.0018159, 0, 0.000
33558, 0.0000423952, 0, 0.000155552, 4.07533×10⁻⁶, 0.000183503, 0.000
901706, 0, 3.09006×1 0⁻⁷, 0.000147339, 0.000445513, 0.0000555988, 0.0
0201567, 0.0002 19067, 0.000764792, 0.000256798, 0.000312558, 0},

1897,0.0000598292,0.00114081,0.000278635,0.000251033,0.0594966
,0.0000198647,0.000122678,0,0.00132112,4.56945×10⁻⁷,0.000250515
,0.0000549701,0.00666626,0.0000730021,0.0000750294,0.000016544
6,0.00037011,0.0000181899,7.63517×10⁻⁸,0.0000168188,5.8045×10⁻⁷,
0.000115818,0.000539959,9.00373×10⁻⁶,4.58427×10⁻⁶,0.000489332,0
,0,5.22917×10⁻⁶,5.22711×10⁻⁸,7.7722×10⁻⁷,0.000343827,0.00392626
,0},

15^η γραμμή {0.0000671623,0.0000249081,0.00203737,0.00235186,0.000
684738,0,0.000796416,0.000939088,0.00378203,0.0195731,0.001029
16,0.000817912,0.00418603,0.00643934,0.172597,0.0929797,0.0034
4924,0.00667679,0.00396995,0.00170164,0.000926756,0.000568499,
0.00044901,0.000339877,0.000989964,0.00046818,0.000534622,0.00
0089388,0.000260062,0.000506374,0.0012402,0.0000441778,6.5038×
10⁻⁶,0.0000843987,0.00215456,0.00874233,0.00408258,0.0107649,0
.000849778,0.00064915,0.00131326,0.00323167,0.0012859,0.000014
006,0.00371298,0.00215883,0.000581002,0.00178181,0.0180697,0.0
00431677,0.00419746,0.000372512,6.94893×10⁻⁹,0.0000399926,2.43
698×10⁻⁷,0.00120099,0.000537667,0.000322255,0},

16^η γραμμή {6.21576×10⁻⁷,2.30603×10⁻⁷,0,0.000198982,0.0000579331,0
,0.0000673643,0.0000524089,0.000101054,0.000327414,0.000060916
2,0.0000617042,0.000085666,0.0000821708,0.0000849378,0.0007213
28,6.53247×10⁻⁶,0.000333285,0.0000641393,0.000117926,0.00004114
12,0.0000389636,0.0000188867,0.0000128599,0.0000131429,0.00001
08059,0.000023413,4.8464×10⁻⁶,0.0000319085,0.000020575,0.000090
1084,0.0000159736,3.05017×10⁻⁶,0.000136904,5.46669×10⁻⁶,0.00008
08152,0.0000331711,0.000218674,0.0000801188,0.000181024,0.0002
88398,0.0000333932,0.0000126555,0.000361696,0.000299947,0.0002
89959,0.0000107461,0.000818435,0.00271322,0.00252614,0.0014088
9,0.000307602,0.000294066,0.0000698248,1.66229×10⁻⁷,0.00245898
,0.000818217,0.000023392,0},

17^η γραμμή {0.00936998,0.00356373,0.0159145,0.0102181,0.00435395,
0,0.0118506,0.0193192,0.00201041,0.00136877,0.00103493,0.00040
1023,0.00718205,0.00501805,0.00253358,0.00252513,0.0185457,0.0
0149065,0.0019989,0.00590998,0.00538528,0.00307857,0.00212035,
0.000965326,0.00159979,0.00109524,0.00125578,0.000676721,0.002
30874,0.00121202,0.0074191,0.012989,0.00651776,0.00654768,0.00
0204617,0.00378022,0.00166637,0.0022991,0.031495,0.0133105,0.0
16493,0.00773352,0.00164862,0.00108243,0.000793542,0.00114508,
0.000270016,0.00307024,0.000596763,0.00085005,0.00236058,0.001
35887,0.00014977,0.00438247,0.00620743,0.00273872,0.000959303,
0.00019384,0},

18^η γραμμή {0.0225519, 0.00852387, 0.00044009, 0.0247191, 0.00719692, 0, 0.0236842, 0.0168971, 0.00844065, 0.00100072, 0.0466481, 0.00189394, 0.0150493, 0.0232554, 0.036953, 0.0185304, 0.0136296, 0.234318, 0.156734, 0.00893074, 0.0103265, 0.0248731, 0.0119726, 0.0190237, 0.0333189, 0.00369895, 0.0967657, 0.150589, 0.00685031, 0.0137972, 0.0053497, 0.0000439407, 0.00129966, 0.0013363, 0.00432021, 0.024952, 0.00419932, 0.0124963, 0.00117667, 0.00210498, 0.000281901, 0.00188221, 0.0000724575, 0.000811907, 0.00174283, 0.000129769, 0.00163075, 0.00485354, 0, 0.00476751, 0.00513268, 0.00521594, 0.00061036, 0.070228, 0.0104127, 0.00704069, 0.00840357, 0.00430787, 0},

19^η γραμμή {0.000690686, 0.000260414, 8.83896×10^{-6} , 0.00306311, 0.000891817, 0, 0.00103817, 0.00262709, 0.00319019, 0.00270733, 0.00224535, 0.000860486, 0.00679719, 0.00382542, 0.00442534, 0.00241187, 0.0000271953, 0.00294729, 0.0146502, 0.000751405, 0.000435255, 0.00261018, 0.0037298, 0.00635448, 0.00552196, 0.00319288, 0.00340977, 0.000932845, 0.000399569, 0.00518858, 0.00103917, 0.0000734257, 0.000100401, 0.00759516, 0.000491849, 0.00424623, 0.00306895, 0.000975197, 0.00157246, 0.000385236, 0.000907922, 0.000543606, 0.0000171633, 1.57207×10^{-7} , 0.0000173249, 0.000047033, 0.000212845, 0.00180476, 0.000230265, 0.0000881601, 0.000251669, 0, 0.0000274511, 0.0000752657, 8.06599×10^{-6} , 0.0000116132, 0.000151528, 0.003444, 0},

20^η γραμμή { 8.90412×10^{-13} , 0, 0, 0, 0, 0, 0, 0, 0.000648377, 0.000809317, 0.000129651, 0.0000644774, 0.000103099, 0.000185692, 0.000155058, 0.0000250915, 0.0000103885, 0.00112599, 0.000688395, 0.0190992, 0.000170023, 0.000182597, 0.000989188, 0.000410448, 0.00204023, 0.0000654441, 0.00434313, 0.00043354, 0.000451569, 0.000383903, 1.91555×10^{-7} , 0.0000142577, 4.31537×10^{-6} , 0.0176238, 6.93418×10^{-7} , 0.0000837304, 1.32045×10^{-6} , 0.000424468, 0.0000912394, 0.0000453866, 0.000057072, 0.0000791676, 8.60349×10^{-7} , 0, 1.80141×10^{-6} , 6.85532×10^{-11} , 0.0000349472, 0.000204768, 0, 9.506×10^{-6} , 0.0000163744, 0, 3.84361×10^{-6} , 0.000390979, 1.46594×10^{-6} , 4.25383×10^{-6} , 0.000212838, 0.0000308177, 0},

21^η γραμμή {0, 0, 0, 0, 0, 0, 0, 0, 0.00219474, 0.00277205, 0.0327043, 0.000219326, 0.000376284, 0.00177774, 0.00101942, 0.000791478, 0.0000276266, 0.00321504, 0.0152203, 0.00331477, 0.249009, 0.15438, 0.0525886, 0.0194275, 0.118037, 0.0178593, 0.0103513, 0.0296927, 0.0598879, 0.00771642, 0.197702, 0.000142838, 0.0000442174, 0.0147807, 0.00441871, 0.00114518, 5.53242×10^{-6} , 2.54161×10^{-8} , 0.000363386, 0.000122873, 0, 0.000757996, 4.28226×10^{-7} , 0, 4.65165×10^{-6} , 0, 0.000459527, 0.00238654, 0, 4.3848×10^{-8} , 2.50448×10^{-6} , 0, 0.0000157835, 7.46926×10^{-6} , 0.0000650571, 6.57307×10^{-7} , 0.000671428, 0, 0},

22^η γραμμή {0.0000596074, 0.0018191, 0, 0.00045099, 0.000131305, 0, 0.0015268, 0.000118784, 0.00185817, 0.00225305, 0.00234189, 0.000493215, 0.00138089, 0.000816188, 0.000966829, 0.00115497, 0.0000224089, 0.00234348, 0.00224173, 0.000658815, 0.000855666, 0.00848499, 0.0018767, 0.0019629, 0.00307174, 0.000615797, 0.000414033, 0.000511358, 0.00294804, 0.00136933, 0.000729085, 0.000183954, 0.000392096, 0.013215, 0.0000485917, 0.000112007, 0.0000308032, 0.000710964, 0.000159208, 0.000650864, 0.0000199319, 0.0000978585, 0.0000111761, 8.55499×10⁻⁸, 0.0000248353, 2.83954×10⁻⁶, 0.0000578596, 0.000213356, 0.00024485, 0.0000103268, 0.000785041, 0.000209432, 0.00340004, 0.0000228551, 0.00247049, 0.000204613, 0.000130074, 0.000103859, 0},

23^η γραμμή {0.00508874, 0.0019202, 0, 0.0236734, 0.0836445, 0, 0.0253876, 0.0298659, 0.00208821, 0.00280157, 0.00418543, 0.00214392, 0.0022235, 0.0103859, 0.0039291, 0.00854366, 0.000287653, 0.00343929, 0.00565562, 0.0149272, 0.00537002, 0.00681879, 0.118652, 0.000176418, 0.00366416, 0.00186532, 0.00106576, 0.006026, 0.014146, 0.00224953, 0.00796171, 0.00886004, 0.0387197, 0.00536058, 0.000320119, 0.000570347, 0.0000479029, 0.00170305, 0.00175999, 0.00101563, 0.00567855, 0.00226235, 0.000455384, 4.96833×10⁻⁶, 0.0000496107, 1.63779×10⁻¹⁰, 0.000666591, 0.0038561, 0.000136093, 0.0000444694, 0.00153887, 0.0458697, 0.0000415565, 0.0000287417, 0.0114996, 0.00195628, 0.000283585, 0.000369487, 0},

24^η γραμμή {0, 0, 0, 0, 0, 0, 0, 0, 0.000229571, 0.000351052, 0.000465023, 0.000268552, 0.000278387, 0.000382175, 0.000474312, 0.000789572, 0.000360393, 0.000356679, 0.000525704, 0.00177849, 0.000626205, 0.000381186, 0.0000689599, 0.0106887, 0.0000420124, 0.0000354286, 0.0000275515, 0.000101133, 0.000206194, 0.000254513, 0.000432177, 5.10747×10⁻⁶, 6.3165×10⁻⁷, 0.0000371037, 1.96×10⁻⁷, 0.0000172694, 3.56143×10⁻⁶, 0.00030033, 0.000378457, 0.000158846, 0.000468241, 0.000325584, 0.0000860755, 9.40774×10⁻⁷, 8.3842×10⁻⁶, 0.00144701, 0.0000144991, 0.00196959, 0.00791798, 0.000494346, 0.0000738328, 0.000622026, 0.000396978, 0.0000148525, 1.01952×10⁻⁷, 0.000410878, 0.000112625, 0.000133455, 0},

25^η γραμμή {6.19802×10⁻¹⁰, 0, 0, 0.00253833, 0.00073903, 0, 0.000859341, 0.00066856, 0.000529796, 0.000810033, 0.00116742, 0.000619668, 0.000642401, 0.000902748, 0.00109821, 0.00174479, 0.0000831586, 0.000882158, 0.00172532, 0.00416341, 0.00146418, 0.00149093, 0.00784295, 0.000942179, 0.0378607, 0.00138168, 0.000736489, 0.00227158, 0.00210428, 0.000788614, 0.023677, 0.00285341, 0.01259, 0.0208093, 1.56316×10⁻⁶, 0.000138377, 0.000112898, 0.000985889, 0.00187364, 0.000684494, 0.0069807, 0.00184115, 0.000286729, 3.12813×10⁻⁶, 0.0000371957, 8.55527×10⁻⁸, 0.0000623212, 0.000553439, 0.00199779, 0.00010186, 0.00028

6974, 0, 0.0000798528, 0.000119482, 3.74646×10^{-7} , 0.0000477543, 0.00315438, 0.0000632103, 0},

26^η γραμμή { 2.41302×10^{-8} , 0, 0, 0, 0, 0, 0, 0, 1.29634×10^{-7} , 0, 6.85646×10^{-6} , 0, 0, 5.4207×10^{-6} , 0, 0.000116335, 0, 6.72587×10^{-6} , 0.0000172441, 7.26415×10^{-6} , 1.67767×10^{-6} , 0.000117011, 0.00155815, 0.0679762, 0.00287404, 0.0856755, 0.000414051, 0.0000940014, 3.69165×10^{-6} , 0.000410888, 0.0000865646, 0.0000507877, 0.0000292501, 0.00220186, 0, 0.000335916, 0.0042313, 0.0000843566, 0.000172949, 0.000051799, 0.0000807479, 0.000243821, 0.010449, 0.00011561, 3.16436×10^{-6} , 6.89991×10^{-8} , 0.000133392, 0.000362516, 0.00192954, 0.000140714, 0.00241203, 0, 9.63665×10^{-9} , 0.0000119236, 4.08629×10^{-7} , 2.68682×10^{-6} , 0.00218807, 0.0000240444, 0},

27^η γραμμή {0, 0, 0, 0, 0, 0, 0, 0, 8.98008×10^{-9} , 0, 0.0000109268, 0, 5.01125×10^{-9} , 6.15798×10^{-7} , 4.79957×10^{-7} , 0.00033033, 0, 4.83218×10^{-6} , 0.0000473014, 5.8573×10^{-6} , 2.59162×10^{-6} , 0.0000759556, 0.00158017, 1.46889×10^{-6} , 0.000213786, 0.000608258, 0.114717, 0.000118487, 0.0048277, 0.000356631, 0.000236657, 0.0000765736, 0.0000484052, 0.000384641, 4.90063×10^{-7} , 0.0000545485, 4.18404×10^{-6} , 0.000175825, 0.0000606945, 0.000139066, 0.00696198, 0.000649125, 0.000105811, 1.16218×10^{-6} , 6.96407×10^{-6} , 1.18406×10^{-9} , 0.0000888659, 0.000106858, 0.000146165, 0.00523841, 0.000804754, 0.00482883, 0.0000109282, 0.0450227, 1.8437×10^{-6} , 0.0000695324, 0.000992541, 0.0000139972, 0},

28^η γραμμή {0, 0.0000265813, 0, 0.000473736, 0.0021181, 0, 0.000508039, 0.000837565, 0.00126285, 0.00073464, 0.000633961, 0.0010988, 0.000795104, 0.00166492, 0.00094915, 0.00307488, 7.58715×10^{-7} , 0.00112992, 0.00219037, 0.0068922, 0.00016744, 0.00142819, 0.000900372, 0.000888053, 0.00718812, 0.000142274, 0.000893091, 0.0569335, 0.000361749, 0.0014882, 0.00256628, 3.39404×10^{-7} , 0.00440595, 0.0000339448, 0.0257627, 0.0000645821, 4.5168×10^{-6} , 8.05271×10^{-7} , 0.00378552, 0.0000281446, 0.00318441, 0.00139526, 0.000107279, 1.18592×10^{-6} , 8.94243×10^{-6} , 1.34579×10^{-11} , 0.000476823, 0.00498017, 3.15181×10^{-6} , 3.47402×10^{-6} , 0.000634236, 0.0192869, 0.000095643, 0.000123474, 0.0180997, 0.00617321, 0.000548041, 8.99281×10^{-6} , 0},

29^η γραμμή {0, 0, 0.00718659, 0.00111263, 0.00497464, 0, 0.0011932, 0.00196713, 0, 0, 0, 0, 0, 0, 2.1191×10^{-8} , 0.000283539, 1.33526×10^{-7} , 0, 0, 6.77576×10^{-7} , 0.0000329121, 0.0000296171, 0, 0, 0.00459614, 0, 0.00342221, 0.0379482, 6.29047×10^{-8} , 0.00023578, 0, 0, 0.000133436, 0.00118365, 3.73781×10^{-6} , 0.0000275007, 4.83177×10^{-6} , 0.000655983, 0.0216847, 0.012603, 0.00148523, 0.00010822, 3.61212×10^{-7} , 0.000823171, 0, 0.0

000201025, 0.00112807, 7.4 0243×10⁻⁷, 0, 3.02456×10⁻⁶, 0, 0, 0.00001453
34, 4.99833×10⁻⁹, 0.00 00102817, 0.0000918196, 8.0259×10⁻⁶, 0},

30^η γραμμή {9.45061×10⁻⁸, 8.61434×10⁻⁶, 0, 0.000347365, 0.000101134, 0,
0.000117599, 0.0000914908, 0.000173831, 0.000100307, 0.00047574, 0.
00279052, 0.000557504, 0.000350872, 0.000223085, 0.000798571, 1.017
3×10⁻⁶, 0.000189796, 0.000234719, 0.000127005, 0.000350884, 0.000657
499, 0.000147495, 0.0000968174, 0.0000430272, 0.0000880005, 0.00018
0548, 0.000111915, 0.000301072, 0.01654, 0.0107108, 0.0000561371, 5.
47112×10⁻⁶, 0.0003319, 0.000018311, 0.000732226, 0.000524435, 0.001
99912, 0.000327419, 0.000277179, 0.000323888, 0.00127339, 0.0005974
51, 0.00158641, 0.00002152, 0.000451302, 0.0000544756, 0.000199941,
0.000132289, 0.00153621, 0.000692533, 0.000124663, 0.000191757, 0.0
00520287, 2.67454×10⁻⁶, 0.00156677, 0.0015429, 0.000483364, 0},

31^η γραμμή {0,
, 0, 0, 0, -0.000398097, 0, 0, -8.52169×10⁻⁷, 0, -7.93233×10⁻⁸, 0, -2.2070
6×10⁻⁸, -0.000309417, 0, 0, -0.0000168383, 0, 0, 0, 0, -6.18168×10⁻⁸, -1.
49622×10⁻⁶, 0, 0, -2.95575×10⁻⁸, 0, 0, 0, 0, 0, 0, 0, 0},

32^η γραμμή {0.000189682, 0.0000720815, 3.54045×10⁻⁶, 0.00247314, 0.001
34984, 0, 0.000361841, 0.00105615, 0.000374674, 0.000187708, 0.00101
615, 0.00034379, 0.000395156, 0.000561655, 0.000903927, 0.000545301
, 0.00016513, 0.000406219, 0.000982667, 0.00140985, 0.00176574, 0.00
0523018, 0.000265041, 0.000246752, 0.000363559, 0.000251719, 0.0002
96424, 0.000155243, 0.000512397, 0.000201302, 0.00101996, 0.0017578
3, 0.000889146, 0.0000459087, 0.000813351, 0.00038047, 0.000219094,
0.000595882, 0.00018584, 0.0000591217, 0.000133743, 0.000391573, 0.
000192087, 0.0000946945, 0.0000358406, 0.0000633904, 0.0000436021,
0.000306059, 0.000216034, 0.000246491, 0.000187437, 0.000123938, 0.
0000198943, 0.000158223, 0.000325519, 0.000154484, 0.000245538, 0.0
00130658, 0},

33^η γραμμή {0,
, 0,
, 0},

34^η γραμμή {0.000013024, 0.0000127966, 0, 0.000564587, 0.0000506871, 0
, 0.0002571, 0.000256163, 0.0000643883, 0.0000861731, 0.0000865866,
0.000050963, 0.000535953, 0.000524453, 0.000112191, 0.000117454, 0.
0000311623, 0.000109431, 0.0000945051, 0.000141636, 0.000130084, 0.
0000628836, 0.0000129299, 9.17214×10⁻⁶, 0.0000200762, 0.0000113789,
8.39184×10⁻⁶, 0.0000335271, 0.0000411859, 0.0000546138, 0.00017736
7, 0.0000466829, 0.0000646066, 1.52557×10⁻⁶, 4.36311×10⁻⁶, 0.0000671
351, 0.0000419428, 0.00 00731738, 2.80865×10⁻⁶, 0.0000425146, 0.0000

.0000265431, 0.0000111708, 0, 0.000339843, 1.80453×10^{-8} , 0.0000174537, 1.64944×10^{-6} , 2.63764×10^{-8} , 7.23997×10^{-6} , 0.0000269936, 0.000614454, 0.000338893, 1.66627×10^{-6} , 0.00252296, 0.00496506, 0, 0.00107913, 0.0000173507, 5.20271×10^{-10} , 0.000203572, 3.00181×10^{-6} , 0.0000233453, 0.00010087, 0.000027847, 0.000998639, 0.000204526, 0.000158603, 1.26821×10^{-6} , 0.0000195518, 3.76061×10^{-7} , 5.01321×10^{-7} , 0.000120099, 5.29691×10^{-7} , 0 },

41^η γραμμή { 1.44912×10^{-7} , 0, 0, 0, 0, 0, 0, 0, 0.000242814, 0.000449418, 0.000397336, 0.000759427, 0.00048452, 0.000307443, 0.000329167, 0.000650055, 0.0000479963, 0.000574924, 0.0004128, 0.000334959, 0.000285168, 0.000589775, 0.00051541, 0.00134748, 0.000391225, 0.00130296, 0.000293699, 0.000241746, 0.000605459, 0.000309571, 0.000313789, 0.000218528, 1.97463×10^{-6} , 0.0000863698, 0.0000179996, 0.00106984, 0.000606931, 0.000104218, 0.000103866, 0.000592035, 0.000756988, 0.00626672, 0.00068964, 0.000472059, 0.000101737, 0.000450315, 0.000103259, 0.000833892, 0.00112118, 0.000620876, 0.00279866, 0.00616693, 2.47098×10^{-6} , 4.67174×10^{-6} , 3.36123×10^{-7} , 0.00228614, 0.000694334, 0.000106428, 0 },

42^η γραμμή { 7.57325×10^{-6} , 2.58611×10^{-6} , 0.00368218, 0, 0, 0, 0, 0.00106742, 0.00129803, 0.0000201327, 0.00024433, 0.000335565, 0.000044115, 0.000822717, 0.000973718, 0.000574462, 0.000940044, 0.000592094, 0.000265859, 0.000278047, 0.000126836, 0.00045682, 0.00040303, 0.000164205, 0.0000906436, 0.000282112, 0.000315536, 0.0001445, 0.0150398, 0.000225351, 0.000227289, 0.0000157792, 4.19023×10^{-7} , 0.0152456, 5.09852×10^{-6} , 0.00529315, 0.00491923, 0.00397914, 0.0723542, 0.218757, 0.0350219, 0.0579723, 0.00681323, 0.000474298, 0.00872424, 0.000027599, 0.000286512, 0.00386417, 0.00677774, 0.00220166, 0.00103441, 0, 4.4694×10^{-9} , 0.00589016, 1.52722×10^{-6} , 1.88143×10^{-6} , 0.00171263, 0.000818962, 0 },

43^η γραμμή { 1.44206×10^{-6} , 4.47464×10^{-7} , 0.000112061, 7.21485×10^{-6} , 0.00015555, 0, 0.0000834032, 0.000219912, 0.000144058, 0.0000853009, 0.000254885, 0.000396496, 0.000324098, 0.000310197, 0.000259317, 0.00105287, 0.0000169028, 0.000242601, 0.000274452, 0.000252948, 0.000106122, 0.000315698, 0.000270901, 0.00059717, 0.000212477, 0.000423811, 0.000384518, 0.000100373, 0.000167233, 0.00028857, 0.000217419, 0.000443101, 0.0000989161, 0.00025578, 0.000473544, 0.00187198, 0.00137461, 0.000583569, 0.000364746, 0.000467191, 0.000807784, 0.00118565, 0.00368731, 0.00157962, 0.0023057, 0.0021284, 0.0000996424, 0.00153299, 0.00328885, 0.00082843, 0.0022711, 0.000682578, 0.0000251619, 0.000151999, 1.49573×10^{-6} , 0.000886781, 0.000739731, 0.0000834995, 0 },

A.2 Εισαγωγή Δεδομένων 2^{ου} Μοντέλου Στο Mathematica

A.2.α Εισαγωγή μήτρα εγχώριας παραγωγής – Dom

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1^η γραμμή {0.126946, 0.0477458, 0.00172129, 0, 0, 0, 0, 0, 0.245943, 0.149809, 0.0444033, 0.00223641, 1.3603×10⁻⁶, 0.000106714, 0.0047378, 3.68562×10⁻⁶, 4.52211×10⁻⁶, 0.00130946, 0.0138855, 0.0000147069, 1.65847×10⁻⁶, 0.000056558, 0.000685221, 0, 5.3691×10⁻⁷, 0, 0.0000238964, 8.84973×10⁻⁷, 0.0000826534, 0.00695805, 0, 1.734 2×10⁻⁷, 0, 2.39872×10⁻¹⁰, 0, 0.00354461, 0.0000397895, 0.0166462, 0.000921933, 0.0011965, 0, 0.00218118, 0.000032148, 0, 0.0000445336, 0, 0.00123012, 0.00652269, 0, 0, 3.0647×10⁻⁷, 0, 0.0000427843, 0.0000995706, 0, 0.00104704, 0.000140842, 0.000646977, 0},

2^η γραμμή {0, 0.103431, 0, 0.00219093, 0.000639321, 0, 0.000738423, 0.000565522, 0.000878444, 0.0000621413, 0.000109088, 0.00047608, 0.00014918, 0.0563232, 0.000313448, 0.000502449, 7.56897×10⁻⁷, 0.00105322, 0.000166636, 0.000137846, 0.000209258, 0.000233795, 0.0000774992, 0.0000515553, 0.0000273557, 0.0000288938, 0.000077614, 0.0000265743, 0.000112838, 0.000840895, 0.000651045, 1.00357×10⁻⁶, 0, 1.06803×10⁻⁶, 5.38637×10⁻⁸, 0.0000684306, 1.18976×10⁻⁶, 0.000482417, 0.0000183742, 0, 0, 0.0000467852, 8.0 6242×10⁻⁷, 0, 0, 0, 0.0000281234, 0.00013233, 0, 0, 0.0000790423, 0, 0.0197813, 1.02694×10⁻⁸, 0, 0.000128683, 4.28249×10⁻⁶, 5.91619 ×10⁻⁶, 0},

3^η γραμμή {0, 0, 0.0457736, 0, 0, 0, 0, 0, 0.000731957, 0, 9.77715×10⁻⁶, 0, 4.26655×10⁻⁹, 0.0000239114, 0.0000116675, 5.266×10⁻⁹, 0, 2.46663×10⁻⁶, 0.0000653596, 1.71286×10⁻⁷, 1.27426×10⁻⁷, 7.56075×10⁻⁶, 4.48613×10⁻⁶, 0, 1.43633×10⁻⁷, 0, 5.95829×10⁻⁶, 2.36747×10⁻⁷, 0.0000162399, 0.00183243, 0, 0, 0, 6.34739×10⁻¹², 0, 0.0000131568, 8.05252×10⁻⁶, 0.00321548, 3.39945×10⁻⁶, 0.000235091, 0, 0.0000366562, 6.22424×10⁻⁶, 0, 8.74798×10⁻⁶, 0, 0.0000202603, 0.0000540092, 0, 0, 7.94605×10⁻⁹, 0, 0, 3.63265×10⁻⁶, 0, 0.0000501774, 0.0000271259, 0.0000394328, 0},

4^η γραμμή {0, 0, 0, 0.00333167, 0, 0, 0, 0, 0.000117217, 0, 5.81467×10⁻⁷, 0, 0, 4.79304×10⁻⁷, 1.80105×10⁻⁶, 0, 3.89558×10⁻⁶, 4.88537×10⁻⁶, 0.0000573994, 0.000923585, 0.00400284, 0.00021584, 0.0000301607, 0, 0, 0, 0, 5.45687×10⁻⁷, 0, 0.000274427, 0.111707, 0, 1.45839 ×10⁻⁶, 0, 6.74124×10⁻⁶, 0, 0, 4.16065×10⁻⁶, 0, 0, 9.79879×10⁻⁶, 0, 0, 0

10^η γραμμή {0,0,0,0,0,0,0,0,0,0,0,0.003205,0,0,0,0,0,2.31114×10⁻⁸,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,3.31961×10⁻⁷,0,0,0,0,0,1.15475×10⁻¹¹,0,1.28573×10⁻⁶,5.86482×10⁻⁹,1.04391×10⁻⁹,3.22878×10⁻⁷,4.80551×10⁻⁶,0,8.65113×10⁻⁷,1.7384×10⁻⁸,0,1.79402×10⁻⁷,0,4.17964×10⁻⁷,2.25193×10⁻⁶,0,0,1.01896×10⁻⁷,0,0.0000208634,0.000015943,0,0,7.42788×10⁻⁸,0,0},

11^η γραμμή {0.000217366,0.0000816603,0.00870745,0,0,0,4.19619×10⁻⁸,0.0000642426,0.000506904,0.00502638,0.0390673,0.0621292,0.0117719,0.000268567,0.00174417,0.000153152,6.24236×10⁻⁶,0.00140975,0.00231999,0.000421647,0.000285792,0.00444125,0.000146205,0.0000384606,0.0000702301,0.0000840057,0.0001076,0.0000613151,0.000104224,0.011182,0.0000391383,1.06525×10⁻⁶,7.56809×10⁻⁷,0.0000160188,0.000277574,0.00213107,0.00785357,0.00394079,0.0000569305,0.000195691,0,0.000158566,7.29391×10⁻⁶,0,7.28161×10⁻⁶,0,0.000291758,0.000442004,5.401×10⁻⁶,3.11677×10⁻⁷,0.000135845,0,0.0000131483,0.0000421472,1.46683×10⁻⁷,0.0000484378,0.000245488,0.000105302,0},

12^η γραμμή {2.87137×10⁻⁸,0,7.57541×10⁻⁶,0,0,0,0,0,6.48786×10⁻⁷,7.87324×10⁻⁷,0.000164188,0.0227426,0,4.98554×10⁻⁶,0,0.0000428492,1.91033×10⁻⁸,1.50856×10⁻⁷,0,0,3.6029×10⁻⁶,0,6.13789×10⁻⁷,4.62682×10⁻⁶,0,8.70829×10⁻⁶,3.62463×10⁻⁶,0,0.0000164114,5.96321×10⁻⁹,5.08255×10⁻⁶,0.0000497593,0.002405,9.43064×10⁻⁷,0.0000404658,0.000278619,0.000133027,0.000470528,0.000104387,0.000226729,0.000434628,0.000064929,1.77216×10⁻⁶,0.0000578483,8.48605×10⁻⁶,3.62758×10⁻⁶,0.0000313602,0.0000882162,0.000014766,0.0000524715,0.000312573,0.000780002,0.0000868369,0.000347318,0.00897212,0.0000673617,0.000481935,0.00010804,0},

13^η γραμμή {0.0000341333,0.0000128379,0,0,0,0,0,0,9.38482×10⁻⁷,0,8.88037×10⁻⁶,0.00121451,0.0610106,8.64261×10⁻⁶,4.25781×10⁻⁶,0.000238626,5.1812×10⁻⁹,0.0000308429,6.86679×10⁻⁷,8.14156×10⁻⁹,3.75678×10⁻⁸,2.31897×10⁻⁷,4.99614×10⁻⁶,0,2.21434×10⁻⁹,2.73409×10⁻¹⁰,0.0000275959,0.000103954,1.74561×10⁻⁶,0.0000283215,2.07897×10⁻¹⁰,3.64878×10⁻⁶,0,8.50383×10⁻¹⁰,6.03072×10⁻⁶,0.0000221623,2.2171×10⁻⁶,5.56396×10⁻⁹,5.43402×10⁻⁶,0.0000252697,0,0.0000122788,9.14136×10⁻⁸,0,9.44241×10⁻⁷,0,6.60003×10⁻⁶,0.0000358812,7.13144×10⁻⁷,5.02534×10⁻⁶,0.0000828958,0,5.80715×10⁻⁷,0.0000541097,2.20566×10⁻⁸,9.99074×10⁻⁶,0.0000718782,0.0000319328,0},

14^η γραμμή {0,0,0.00239547,0,0,0,0.000105514,0.000568223,0.00398889,0.00480957,0.00142721,0.000384767,0.00059907,0.168361,

0.00109809,0.000176197,0.0000478297,0.00687342,0.00155377,0.000995177,0.000130143,0.0011817,0.00147446,0.0000431591,0.00129025,0.0000909399,0.00171548,0.000414855,0.000377975,0.0911174,0.0000299559,0.000187153,0,0.00196434,6.9736×10⁻⁷,0.000384416,0.0000845941,0.0102187,0.000106018,0.000111937,0.000024684,0.000561123,0.0000281686,1.16845×10⁻⁷,0.0000246627,8.7914×10⁻⁷,0.000180865,0.000814983,0.0000135181,6.90234×10⁻⁶,0.000730414,0,0,7.97162×10⁻⁶,7.98824×10⁻⁸,1.15058×10⁻⁶,0.000521323,0.00608627,0},

15^η γραμμή {0.0000410046,0.0000151574,0.0012031,0.0013984,0.000408058,0,0.000471432,0.000547211,0.00234991,0.0116079,0.000615153,0.000482469,0.00241666,0.00381186,0.102676,0.0550021,0.00202804,0.00393209,0.00235749,0.000997385,0.000551195,0.000336262,0.000265145,0.000201192,0.000585209,0.000277753,0.000313779,0.0000519452,0.000152832,0.000302681,0.000729954,0.0000263051,3.88928×10⁻⁶,0.0000489794,0.00128338,0.005236,0.00245218,0.0064406,0.000481675,0.000378,0.00076474,0.00191231,0.000777228,8.36582×10⁻⁶,0.00212507,0.0012762,0.00035413,0.00104967,0.0105888,0.000253683,0.00244544,0.000222484,4.22462×10⁻⁹,0.0000237957,1.4536×10⁻⁷,0.000693936,0.000318189,0.000194974,0},

16^η γραμμή {6.70792×10⁻⁶,2.48049×10⁻⁶,0,0.00209132,0.000610254,0,0.00070485,0.00053981,0.00110985,0.00343224,0.000643604,0.000643376,0.000874196,0.000859804,0.000893149,0.00754242,0.000678919,0.00346943,0.000673249,0.00122178,0.000432518,0.000407375,0.000197138,0.000134559,0.000137332,0.000113316,0.000242897,0.000049782,0.000331459,0.00021739,0.000937471,0.000168123,0.0000322413,0.00140437,0.0000575584,0.000855565,0.000352181,0.0023126,0.000802731,0.00186324,0.00296855,0.000349283,0.000135209,0.00381879,0.00303446,0.00302986,0.000115777,0.00852245,0.0281041,0.0262408,0.0145089,0.0032474,0.00316011,0.00073437,1.75262×10⁻⁶,0.0251143,0.00855908,0.000250168,0},

17^η γραμμή {0.028833,0.0109304,0.0473663,0.0306221,0.0130775,0,0.0353562,0.0567391,0.00629586,0.00409139,0.00311783,0.00119228,0.0208981,0.0149718,0.00759653,0.00752869,0.0549593,0.00442462,0.00598274,0.0174593,0.0161433,0.00917788,0.00631075,0.0028801,0.0047665,0.00327492,0.00371479,0.00198208,0.00683844,0.00365147,0.022009,0.0389814,0.0196447,0.0191518,0.000614306,0.0114113,0.0050447,0.00693295,0.0899778,0.0390648,0.0484069,0.023065,0.00502234,0.00325866,0.0022891,0.00341177,0.000829505,0.00911613,0.00176256,0.0025178,0.0069316,0.00409055,0.000458921,0.0131426,0.0186617,0.00797575,0.00286136,0.000591105,0},

18^η γραμμή {0.00684559, 0.00257895, 0.000129209, 0.00730759, 0.00213238, 0, 0.00697041, 0.00489533, 0.00260749, 0.00029507, 0.0138629, 0.000555458, 0.00431968, 0.00684447, 0.0109297, 0.00545002, 0.00398435, 0.0686092, 0.0462752, 0.00260258, 0.00305361, 0.00731475, 0.00351511, 0.00559892, 0.00979271, 0.00109105, 0.0282371, 0.043509, 0.00200156, 0.00410039, 0.00156551, 0.0000130084, 0.000386413, 0.000385569, 0.00127945, 0.00743018, 0.00125406, 0.00371722, 0.000331607, 0.000609417, 0.0000816171, 0.000553758, 0.0000217743, 0.000241114, 0.000495938, 0.0000381407, 0.000494189, 0.00142159, 0, 0.00139298, 0.00148674, 0.00154886, 0.000184492, 0.0207754, 0.00308802, 0.00202262, 0.00247262, 0.00129587, 0},

19^η γραμμή {0.0011319, 0.000425373, 0.0000140105, 0.0048888, 0.00142657, 0, 0.00164956, 0.00410906, 0.00532063, 0.00430977, 0.00360249, 0.00136247, 0.0105333, 0.00607847, 0.00706647, 0.0038297, 0.0000429207, 0.00465905, 0.0233522, 0.0011822, 0.00069487, 0.00414418, 0.00591198, 0.0100969, 0.00876202, 0.0050845, 0.00537183, 0.00145511, 0.000630302, 0.00832495, 0.00164177, 0.000117356, 0.000161161, 0.0118313, 0.00078641, 0.00682646, 0.00494798, 0.00156613, 0.00239248, 0.000602134, 0.00141916, 0.000863446, 0.0000278459, 2.5205×10^{-7} , 0.000026616, 0.0000746313, 0.000348232, 0.00285385, 0.000362197, 0.000139067, 0.000393568, 0, 0.000044797, 0.000120208, 0.0000129143, 0.0000180115, 0.000240705, 0.0055932, 0},

20^η γραμμή { 4.68973×10^{-12} , 0, 0, 0, 0, 0, 0, 0, 0.0034754, 0.0041406, 0.000668536, 0.000328111, 0.000513474, 0.000948285, 0.000795756, 0.00128047, 0.0000526932, 0.00572057, 0.00352657, 0.0965743, 0.000872367, 0.000931737, 0.00503915, 0.00209603, 0.0104045, 0.00033494, 0.0219903, 0.00217343, 0.00228935, 0.00197964, 9.72635×10^{-7} , 0.0000732381, 0.0000222624, 0.0882325, 3.56322×10^{-6} , 0.00043262, 6.84211×10^{-6} , 0.00219085, 0.000446151, 0.000227995, 0.000286706, 0.000404138, 4.48606×10^{-6} , 0, 8.89437×10^{-6} , 3.49604×10^{-10} , 0.000183759, 0.00104065, 0, 0.0000481925, 0.0000822976, 0, 0.0000201586, 0.00200688, 7.54332×10^{-6} , 0.0000212036, 0.00108661, 0.000160853, 0},

21^η γραμμή {0, 0, 0, 0, 0, 0, 0, 0, 0.00245796, 0.00296319, 0.0352345, 0.000233194, 0.000391556, 0.00189683, 0.00109308, 0.000843908, 0.000292783, 0.00341277, 0.0162911, 0.00350199, 0.266944, 0.16459, 0.0559737, 0.0207287, 0.125769, 0.0190974, 0.0109506, 0.0311015, 0.0634368, 0.0083137, 0.20974, 0.000153302, 0.0000476608, 0.015461, 0.00474415, 0.00123627, 5.98961×10^{-6} , 2.74089×10^{-8} , 0.000371263, 0.000128964, 0, 0.000808469, 4.66529×10^{-7} , 0, 4.7987×10^{-6} , 0, 0.000504848, 0.00253411, 0, 4.64457×10^{-8} , 2.62998×10^{-8}

$6, 0, 0.0000172957, 8.01052 \times 10^{-6}, 0.0000699446, 6.8456 \times 10^{-7}, 0.00716203, 0, 0\}$,

22^η γραμμή {0.000274984, 0.00836455, 0, 0.00202622, 0.000591259, 0, 0.000682911, 0.000523008, 0.00872395, 0.0100964, 0.0105771, 0.00219837, 0.00602384, 0.00365079, 0.00434597, 0.00516253, 0.0000995579, 0.0104284, 0.0100589, 0.00291784, 0.00384543, 0.0379228, 0.00837383, 0.00877984, 0.0137207, 0.00276048, 0.00183617, 0.00224539, 0.013091, 0.00618477, 0.00324254, 0.000827651, 0.00177172, 0.0579491, 0.000218706, 0.000506897, 0.000139802, 0.00321414, 0.000681889, 0.00286377, 0.000087703, 0.000437554, 0.0000510424, 3.86114×10^{-7} , 0.000107404, 0.0000126837, 0.000266478, 0.000949728, 0.00108417, 0.0000458563, 0.00345592, 0.000945156, 0.0156191, 0.000102755, 0.0111347, 0.000893333, 0.000581652, 0.000474812, 0},

23^η γραμμή {0.000918408, 0.000345424, 0, 0.00416102, 0.0147351, 0, 0.00444243, 0.0051445, 0.000383547, 0.00049115, 0.000739533, 0.000373844, 0.000379267, 0.00181743, 0.000690952, 0.00149401, 0.0000499967, 0.000598748, 0.000992805, 0.00258638, 0.000944136, 0.00119227, 0.020712, 0.0000308709, 0.000640302, 0.000327129, 0.000184909, 0.00103518, 0.00245748, 0.000397488, 0.00138526, 0.00155952, 0.00684469, 0.000919621, 0.0000563673, 0.000100979, 8.5055×10^{-6} , 0.000301206, 0.000294902, 0.000174824, 0.000977508, 0.000395741, 0.0000813647, 8.77252×10^{-7} , 8.39354×10^{-6} , 2.86204×10^{-11} , 0.000120106, 0.000671523, 0.000023575, 7.72523×10^{-6} , 0.000265027, 0.00809848, 7.46841×10^{-6} , 5.05533×10^{-6} , 0.00202767, 0.000334139, 0.0000496106, 0.000066084, 0},

24^η γραμμή {0, 0, 0, 0, 0, 0, 0, 0, 0.0000191595, 0.0000279645, 0.0000373348, 0.0000212781, 0.0000215876, 0.0000303877, 0.0000379002, 0.000062737, 2.84624×10^{-6} , 0.0000282146, 0.0000419322, 0.00014002, 0.0000500262, 0.0000302849, 5.46973×10^{-6} , 0.000849876, 3.33588×10^{-6} , 2.8232×10^{-6} , 2.17202×10^{-6} , 7.89402×10^{-6} , 0.0000162762, 0.0000204346, 0.0000341672, 4.08492×10^{-7} , 5.07365×10^{-8} , 2.89226×10^{-6} , 1.56817×10^{-8} , 1.38928×10^{-6} , 2.87332×10^{-7} , 0.0000241355, 0.0000288143, 0.0000124241, 0.0000366247, 0.0000258783, 6.98813×10^{-6} , 7.54782×10^{-8} , 6.44546×10^{-7} , 0.000114897, 1.18704×10^{-6} , 0.000155851, 0.000623236, 0.0000390215, 5.77778×10^{-6} , 0.0000499009, 0.0000324174, 1.18702×10^{-6} , 8.16827×10^{-9} , 0.0000318884, 8.95256×10^{-6} , 0.0000108456, 0},

25^η γραμμή { 5.48978×10^{-10} , 0, 0, 0.0021896, 0.000638932, 0, 0.000737973, 0.000565177, 0.000477562, 0.000696935, 0.00101233, 0.000530296, 0.00053804, 0.000775278, 0.000947801, 0.00149737, 0.0000709342, 0

.000753699,0.00148638,0.0035403,0.00126336,0.00127938,0.006718
97,0.000809129,0.0324695,0.00118918,0.000627103,0.00191509,0.0
0179406,0.00068387,0.0202175,0.00246489,0.0109225,0.0175198,1.
35081×10⁻⁶,0.000120235,0.0000983
785,0.000855736,0.00154074,0.000578245,0.00589737,0.00158058,0
.000251424,2.71066×10⁻⁶,0.0000308844,7.33714×10⁻⁸,0.0
000551082,0.000472997,0.0016984,0.0000868417,0.000242554,0,0.0
000704295,0.000103137,3.24199×10⁻⁷,0.0000400301,0.002
70821,0.0000554831,0},

26^η γραμμή {8.72188×10⁻⁹,0,0,0,0,0,0,0,4.76856×10⁻⁸,0,2.42629×10⁻
⁶,0,0,1.89974×10⁻⁶,0,0.0000407422,0,2.34503×10⁻⁶,6.06247×10⁻
⁶,2.52072×10⁻⁶,5.90732×10⁻⁷,0.0000409748,0.000544729,0
.0238226,0.00100584,0.0300917,0.000143871,0.0000323403,1.2844×
10⁻⁶,0.000145405,0.000030164,0.0000179035,0.000010355
6,0.000756502,0,0.00011911,0.00150465,0.0000298799,0.000058037
8,0.0000178571,0.000027838,0.0000854175,0.00373902,0.000040882
3,1.07221×10⁻⁶,2.41482×10⁻⁸,0.0000481345,0.00012
6434,0.000669411,0.0000489567,0.000831948,0,3.46848×10⁻⁹,4
.2002×10⁻⁶,1.443×10⁻⁷,9.19096×10⁻⁷,0.000766612,8.61261×10⁻⁶,0},

27^η γραμμή {0,0,0,0,0,0,0,0,2.04283×10⁻⁹,0,2.3912×10⁻⁶,0,1.05
922×10⁻⁹,1.33463×10⁻⁷,1.04536×10⁻⁷,0.0000715427,0,1.0419×10⁻
⁶,0.0000102841,1.25695×10⁻⁶,5.64334×10⁻⁷,0.0000164488,0.000
341631,3.18349×10⁻⁷,0.0000462697,0.000132117,0.0246508,0.0
000252094,0.00103873,7.80475×10⁻⁶,0.0000509977,0.000016693
3,0.0000105979,0.0000817257,1.06875×10⁻⁷,0.0000119614,9.20
11×10⁻⁷,0.0000385144,0.0000125957,0.0000296479,0.0014843,0
.000140633,0.0000234151,2.54152×10⁻⁷,1.45928×10⁻⁶,2.56269×10⁻
¹⁰,0.0000198311,0.0000230476,0.0000313592,0.00112709,0
.000171656,0.00105591,2.43245×10⁻⁶,0.00980789,4.02634×10⁻⁷,
0.0000147093,0.000215053,3.10059×10⁻⁶,0},

28^η γραμμή {0,1.68535×10⁻⁶,0,0.0000293483,0.000131513,0,0.000
0313331,0.0000508503,0.000081753,0.0000453936,0.0000394809,0.0
000675316,0.0000478259,0.000102687,0.0000588297,0.000189516,4.
64791×10⁻⁸,0.0000693312,0.000135521,0.000420901,
0.0000103759,0.0000880159,0.0000553957,0.0000547714,0.00044272
4,8.79425×10⁻⁶,0.0000546134,0.00344715,0.0000221499,0
.0000926831,0.000157375,2.10562×10⁻⁸,0.000274516,2.05247×10⁻
⁶,0.00159888,4.03005×10⁻⁶,2.82667×10⁻⁷,5.01978×10⁻⁸,0.0002
23563,1.70753×10⁻⁶,0.000193206,0.0000860224,6.75587×10⁻⁶,7.
38033×10⁻⁸,5.33252×10⁻⁷,8.28898×10⁻¹³,0.0000302809,0.0003056
77,1.92434×10⁻⁷,2.12711×10⁻⁷,0.0000384988,0.00120019,6.0582

$7 \times 10^{-6}, 7.65457 \times 10^{-6}, 0.00112484, 0.000371634, 0.0000337918, 5.6$
 $689 \times 10^{-7}, 0\},$

29^η γραμμή {0, 0, 0.00420147, 0.000654964, 0.00293498, 0, 0.000699
26, 0.00113482, 0, 0, 0, 0, 0, 0, 1.24105 $\times 10^{-8}$, 0.000165049, 7.785
17 $\times 10^{-8}$, 0, 0, 3.98974 $\times 10^{-7}$, 0.000019273, 0.0000173148, 0, 0, 0.002
69952, 0, 0.00196888, 0.0220788, 3.72258 $\times 10^{-8}$, 0.000137391, 0, 0,
0.000076665, 0.00069802, 2.21634 $\times 10^{-6}$, 0.0000163534, 2.862 $\times 10^{-$
 6 , 0.000368119, 0.0125011, 0.00726585, 0.000870104, 0.0000647579, 2.1
3601 $\times 10^{-7}$, 0.000466431, 0, 0.0000121306, 0.000657923, 4.29 455 $\times 10^{-$
 7 , 0, 1.74453 $\times 10^{-6}$, 0, 0, 8.56115 $\times 10^{-6}$, 2.95166 $\times 10^{-9}$, 5.8815 3 $\times 10^{-$
 6 , 0.0000537965, 4.80748 $\times 10^{-6}$, 0},

30^η γραμμή {8.83114 $\times 10^{-8}$, 8.02339 $\times 10^{-6}$, 0, 0.000316123, 0.0000922
457, 0, 0.000106545, 0.0000815974, 0.000165311, 0.0000910489, 0.0004
3523, 0.00251941, 0.000492619, 0.000317903, 0.000203122, 0.00072302
8, 9.15487 $\times 10^{-7}$, 0.000171078, 0.000213336, 0.0001139
37, 0.000319414, 0.000595241, 0.000133308, 0.0000877187, 0.00003893
, 0.0000799065, 0.000162189, 0.0000995413, 0.000270805, 0.0151321, 0
.00964887, 0.0000511607, 5.00759 $\times 10^{-6}$, 0.000294806,
0.0000166939, 0.000671225, 0.000482126, 0.00183065, 0.000284055, 0.
000247034, 0.000288675, 0.0011533, 0.000552704, 0.00145031, 0.00001
88514, 0.000408334, 0.0000508203, 0.000180279, 0.000118651, 0.00138
176, 0.000617534, 0.000113958, 0.000178432, 0.000473818, 2.44171 $\times 10^{-$
 6 , 0.00138559, 0.00139753, 0.000447612, 0 },

31^η γραμμή {0,
0, 0, 0, 0, 0, 0.00337431, 0, 0, 7.12186 $\times 10^{-6}$, 0, 6.84169 $\times 10^{-7}$, 0, 1.
90161 $\times 10^{-7}$, 0.00252571, 0, 0, 0.00014349, 0, 0, 0, 0, 5.42602 $\times 10^{-7}$,
0.0000126934, 0, 0, 2.47986 $\times 10^{-7}$, 0, 0, 0, 0, 0, 0, 0, 0},

32^η γραμμή {0.0089878, 0.00340433, 0.00016226, 0.114128, 0.06243
11, 0, 0.0166234, 0.0477633, 0.0180676, 0.00863968, 0.0471389, 0.0157
39, 0.0177053, 0.0258039, 0.041734, 0.0250351, 0.00753532, 0.0185668
, 0.045289, 0.0641342, 0.0815056, 0.0240096, 0.0121468, 0.0113363, 0.
0166797, 0.01159, 0.0135024, 0.00700165, 0.0233703, 0.00933864, 0.04
65919, 0.0812334, 0.0412664, 0.00206773, 0.0376008, 0.0176854, 0.010
2134, 0.0276693, 0.00817542, 0.00267187, 0.00604445, 0.0179832, 0.00
901069, 0.00438976, 0.00159202, 0.00290832, 0.00206259, 0.0139933, 0
.00982517, 0.0112423, 0.00847514, 0.00574493, 0.000938683, 0.007306
51, 0.0150693, 0.00692762, 0.0112775, 0.00613529, 0},

33^η γραμμή {0.00873037, 0.00330805, 0, 0.0087688, 0.00255877, 0, 0
.0029554, 0.0022634, 0.000508749, 0.000174097, 0.00028242, 0.000468
764, 0.00040869, 0.000141433, 0.000393739, 0.00255992, 1.7032 $\times 10^{-$

⁶, 0.000331707, 0.000325928, 0.000221602, 0.000584652,
0.000523801, 0.00020652, 0.000151612, 0.0000719538, 0.0000960087, 0
.000203982, 0.0000736008, 0.000530538, 0.000183396, 0.00211468, 2.1
1486×10⁻⁶, 4.09817×10⁻⁶, 0.000494556, 0.000523478, 0.
000385122, 0.000267534, 0.00014235, 0.000600115, 0.0031239, 0.00075
3092, 0.0284089, 0.000305465, 0.00424129, 0.000431523, 0.000269272,
0.000250438, 0.00042778, 2.2895×10⁻⁶, 0.000381868,
0.000752884, 0.021396, 0.000811771, 0.00218777, 0.0110003, 0.0
0300905, 0.00122861, 0.000864266, 0},

34^η γραμμή {0.000919227, 0.000900223, 0, 0.038808, 0.00349193, 0,
0.0175935, 0.0172558, 0.00462492, 0.00590795, 0.00598302, 0.0034752
8, 0.0357694, 0.0358899, 0.00771551, 0.00803209, 0.00211814, 0.00745
019, 0.0064877, 0.00959712, 0.00894406, 0.00429988, 0.000882664, 0.0
00627668, 0.00137197, 0.000780401, 0.000569384, 0.00225233, 0.00279
806, 0.00377387, 0.0120684, 0.0032134, 0.00446633, 0.000102348, 0.00
0300444, 0.00464829, 0.00291237, 0.00506107, 0.000184042, 0.0028619
, 0.00427341, 0.00709426, 0.00134343, 0.00474221, 0.0336004, 0.01292
61, 0.0684554, 0.00135472, 0.000489436, 0.0141741, 0.0103798, 0.0163
63, 0.00246347, 0.00659601, 0.0000616946, 0.0439123, 0.0168697, 0.00
0280014, 0},

35^η γραμμή {0.00769553, 0.00615432, 0.00644081, 0.0116984, 0.04
05172, 0, 0.0118609, 0.0185036, 0.0156678, 0.00977826, 0.011003, 0.01
18505, 0.0114389, 0.016779, 0.0125594, 0.00943453, 0.00541723, 0.015
3247, 0.0128447, 0.0144417, 0.0048313, 0.00702794, 0.0064531, 0.0109
206, 0.00972103, 0.0106382, 0.0133052, 0.011787, 0.00451974, 0.01189
25, 0.0123526, 0.00263923, 0.00356529, 0.0106542, 0.0018474, 0.01605
52, 0.0103679, 0.00962265, 0.036417, 0.00339776, 0.00335961, 0.00576
438, 0.00161083, 0.00045657, 0.000591271, 0.00181822, 0.00101487, 0.
0363786, 0.00654482, 0.00239443, 0.00644718, 0.0147604, 0.00149463,
0.00708167, 0.00345879, 0.00364197, 0.0023787, 0.00134422, 0},

36^η γραμμή {0.0422249, 0.0337764, 0.0353488, 0.0180082, 0.015331
, 0, 0.0158682, 0.0246569, 0.0793232, 0.0498131, 0.0574134, 0.0593387
, 0.0590145, 0.0822399, 0.0642973, 0.0384745, 0.0297207, 0.0786264, 0
.059998, 0.0461499, 0.0244468, 0.0325893, 0.0313664, 0.0539857, 0.05
12759, 0.0547679, 0.0676478, 0.0637389, 0.0238287, 0.0579858, 0.0444
318, 0.0139052, 0.0179368, 0.0505966, 0.0100701, 0.0155059, 0.011766
6, 0.0492029, 0.020276, 0.0146209, 0.0184383, 0.00935174, 0.00775727
, 0.00249415, 0.0029943, 0.00272795, 0.00213314, 0.0132174, 0.018951
6, 0.011708, 0.011409, 0.0162821, 0.00819503, 0.0382589, 0.0188491, 0
.0144914, 0.010981, 0.00525064, 0},

37^η γραμμή {0.0309665, 0.0247706, 0.0259237, 0.0131953, 0.011214
3, 0, 0.0115577, 0.0157565, 0.0581732, 0.0365315, 0.0421053, 0.043517
2, 0.0432795, 0.0603123, 0.0471537, 0.0283878, 0.0217963, 0.0576622,
0.0440007, 0.033845, 0.0179285, 0.0239, 0.0230032, 0.0395915, 0.0376
042, 0.0401652, 0.0496109, 0.0467442, 0.0174755, 0.042525, 0.0324831
, 0.0101977, 0.0131543, 0.037109, 0.00738508, 0.0113711, 0.00862924,
0.0360839, 0.0148698, 0.0107268, 0.0135221, 0.00686054, 0.00568897,
0.00182914, 0.00219609, 0.0020006, 0.00159263, 0.00990786, 0.014031
7, 0.00875285, 0.00861974, 0.0151041, 0.0060103, 0.0280631, 0.013823
3, 0.0106336, 0.00805494, 0.00398143, 0},

38^η γραμμή {3.62377×10⁻⁸, 0.0000178113, 0, 0.000033225, 0.0007642
63, 0, 0.000102531, 0.0000932715, 0.000467851, 0.000829538, 0.000745
1, 0.00139628, 0.000877573, 0.000528884, 0.000614342, 0.000672062, 0.
.0000883745, 0.00106098, 0.000769063, 0.000615951, 0.00050169, 0.00
109444, 0.000949681, 0.0024634, 0.000725564, 0.00235164, 0.0005102,
0.000440741, 0.00186949, 0.00058049, 0.00054857, 0.0001044,
0.0000743776, 0.0000287987, 1.09036×10⁻⁶,
0.000292198, 0.000181832, 0.0000162992, 0.000549119, 0.011171, 0.03
40269, 0.0259698, 0.000042163, 0.00034761, 0.0217791, 0.0259487, 0.0
00132097, 0.00270679, 0.00348112, 0.00817974, 0.00901576, 0.0016973
6, 0.0000123657, 0.000578674, 3.84389×10⁻⁶, 0.
0142069, 0.00534634, 0.0590182, 0},

39^η γραμμή {0.00253277, 0.00100078, 0.00348688, 0.00458362, 0.08
62276, 0, 0.0695253, 0.0287739, 0.00180277, 0.00270558, 0.00294463, 0.
.00459105, 0.00271241, 0.00284411, 0.00198803, 0.00294412, 0.000273
92, 0.00664184, 0.00245711, 0.00203729, 0.00238889, 0.00356326, 0.00
307191, 0.00856053, 0.00220899, 0.00916209, 0.00242089, 0.00139608,
0.00342977, 0.00179495, 0.00796034, 0.00164569, 9.94322×10⁻
7, 0.00326395, 0.00410415, 0.0474571, 0.021
6044, 0.0000127741, 0.00237758, 0.00333268, 0.000266554, 0.0213857,
0.0000737884, 0.00302958, 0.000351139, 0.00119635, 0.00170159, 0.00
78352, 0.00107254, 0.00799672, 0.00203261, 0.00335949, 0.000551762,
0.000866052, 0.0000323503, 0.00613452, 0.00235266, 0.0113975, 0},

40^η γραμμή {3.76733×10⁻⁷, 0, 0.00426208, 0, 0, 0, 0, 8.54224×10⁻⁶,
0.0000103779, 0, 0.000014273, 0, 0.0000657156, 0, 0.0000375978, 2.518
06×10⁻⁷, 1.98273×10⁻⁶, 0, 0, 0.0000474863, 0, 8.08123×10⁻⁶,
0.0000609872, 0, 0.000114751, 0.0000477772, 0, 0.00145537, 7.86026×1
0⁻⁸, 0.0000748604, 7.157×10⁻⁶, 1.14942×10⁻⁷, 0.0000306177,
0.00011717, 0.00268176, 0.00148333, 7.26476×10⁻⁶, 0.0104212, 0.
0210683, 0, 0.00465333, 0.0000764214, 2.26456×10⁻⁹, 0.000849039
, 0.0000129312, 0.000103691, 0.000433026, 0.000118914, 0.0042766, 0.

000868316, 0.000690283, 5.61849×10⁻⁶, 0.000084774, 1.6346 ×10⁻⁶, 2.11083×10⁻⁶, 0.000517927, 2.33538×10⁻⁶, 0},

41^η γραμμή {2.55124×10⁻⁷, 0, 0, 0, 0, 0, 0, 0, 0.000435052, 0.000768575, 0.000684854, 0.00129179, 0.000806616, 0.000524809, 0.000564668, 0.00110888, 0.0000813771, 0.000976356, 0.00070688, 0.000566148, 0.000489082, 0.00100595, 0.000877651, 0.00230012, 0.000666898, 0.00222905, 0.000497075, 0.000405104, 0.00102604, 0.0005336, 0.00053258, 0.000375219, 3.40509×10⁻⁶, 0.000144538, 0.000309174, 0.0018477, 0.00105123, 0.000179804, 0.00016977, 0.000994112, 0.00127114, 0.0106934, 0.001202, 0.000813078, 0.000167908, 0.000767637, 0.000181491, 0.00141659, 0.00189458, 0.00105215, 0.00470178, 0.0106211, 4.33192×10⁻⁶, 8.01564×10⁻⁶, 5.781 4 1×10⁻⁷, 0.00380911, 0.0011849, 0.000185685, 0},

42^η γραμμή {2.52485×10⁻⁶, 8.59367×10⁻⁷, 0.00118736, 0, 0, 0, 0, 0.000339649, 0.00044041, 6.51993×10⁻⁶, 0.0000797484, 0.00010809, 0.0000139074, 0.000265945, 0.000316312, 0.000185566, 0.00030182, 0.000190412, 0.0000862108, 0.0000889941, 0.0000411934, 0.00014755, 0.000129961, 0.0000530789, 0.0000292601, 0.0000913934, 0.000101128, 0.000458542, 0.00482643, 0.0000735565, 0.0000730516, 5.13061×10⁻⁶, 1.36832×10⁻⁷, 0.00483134, 1.6584×10⁻⁶, 0.00173115, 0.00161347, 0.00130003, 0.0223954, 0.0695591, 0.0111365, 0.0187326, 0.00224874, 0.000154701, 0.00272662, 8.9092×10⁻⁶, 0.0000953619, 0.00124307, 0.00216884, 0.000706525, 0.000329087, 0, 1.48377×10⁻⁹, 0.00191378, 4.97441×10⁻⁷, 5.93626×10⁻⁷, 0.000553455, 0.0000270575, 0},

43^η γραμμή {0.0000252101, 7.79699×10⁻⁶, 0.00189482, 0.000122837, 0.0026543, 0, 0.00141366, 0.00366927, 0.00256299, 0.00144854, 0.00436241, 0.00669707, 0.00535763, 0.00525795, 0.00441723, 0.0178341, 0.000284574, 0.00409101, 0.00466675, 0.00424532, 0.00180729, 0.00534692, 0.00458059, 0.0101221, 0.00359656, 0.00719949, 0.00646215, 0.00167018, 0.00281412, 0.00493911, 0.00366425, 0.00755479, 0.00169376, 0.00425038, 0.00807684, 0.0321039, 0.0236417, 0.00999751, 0.00592002, 0.00778975, 0.0134692, 0.0200895, 0.0638165, 0.0270166, 0.0377865, 0.0360275, 0.00173905, 0.0258592, 0.0551854, 0.0139402, 0.0378869, 0.0116733, 0.000438022, 0.00258966, 0.0000255464, 0.0146716, 0.0125351, 0.00144659, 0},

44^η γραμμή {0.0228817, 0.0223622, 0.0173952, 0.0162365, 0.0160014, 0, 0.0253579, 0.0175461, 0.0161534, 0.0140535, 0.0162071, 0.014901, 0.0152542, 0.0166048, 0.0161675, 0.0215522, 0.0160372, 0.0157791, 0.0157169, 0.0155145, 0.0166141, 0.017937, 0.0136538, 0.0163805, 0.0155955, 0.0169126, 0.0154341, 0.00896195, 0.0145257, 0.0121956, 0.016

9266,0.0208575,0.00715076,0.00973799,0.0278502,0.0401341,0.0360684,0.0115636,0.0163358,0.00216593,0.0187774,0.0158078,0.0154141,0.0336044,0.0230666,0.0316677,0.0156158,0.0159446,0.0121203,0.0204256,0.0326099,0.0241213,0.00358688,0.00668954,0.00216001,0.0347485,0.0196929,0.0155232,0},

45^η γραμμή {0.000474165,0.000178231,0.00142597,0.0000502554,0.0140976,0,0.00164749,0.0018775,0.00146461,0.00290503,0.00422446,0.00217497,0.00177896,0.00255988,0.0027654,0.00280704,0.00103248,0.00217129,0.00295036,0.00226484,0.00154,0.00195773,0.00190244,0.000920682,0.00190685,0.00142984,0.00118144,0.000680863,0.0033735,0.00220317,0.00106439,0.0000175028,0.0000350505,0.00160009,0.000286285,0.00214189,0.00162622,0.000276927,0.00917668,0.0143538,0.00328013,0.0021212,0.000107292,0.00194325,0.0206386,0.00186439,0.000179826,0.00233132,0.000124503,0.000478786,0.00065013,0.00048483,0.000157784,0.00003507,1.65795×10⁻⁶,0.000764129,0.000699007,0.0000344162,0},

46^η γραμμή {0.0000799166,0.0000299297,0,0,0,0,0,0,9.7249×10⁻⁶,9.17857×10⁻⁶,0,0.0000126235,0,0.000058121,0,5.26473×10⁻⁹,2.22705×10⁻⁷,1.77551×10⁻⁶,0,0,0.0000420152,0,7.18273×10⁻⁶,0.0000539391,0,0.000101624,0.0000422557,0,0.0000487944,6.95187×10⁻⁸,0.0000592739,0.0000201462,3.23548×10⁻⁷,0.000840435,0.00410189,0.00242764,0.00237521,0.000297236,0.0000376941,0.000675325,0.00124354,0.0000971671,0.000627806,0.000159107,0.13817,0.050598,0.000493647,0.00016376,5.18264×10⁻⁶,4.05157×10⁻⁶,0.00369911,0,0,3.63178×10⁻⁶,2.67153×10⁻⁸,0.0137737,0.0002523,0.000112553,0},

47^η γραμμή {4.353×10⁻⁷,0,0.000462637,0.00523341,0.0026467,0,0.0288094,0.0240973,0.00504526,0.0183856,0.0187646,0.0321606,0.0183629,0.0251421,0.0296872,0.0334259,0.0105304,0.00580281,0.0184151,0.0145923,0.00403562,0.0214207,0.0198239,0.00913031,0.0117833,0.00991877,0.00935572,0.00436704,0.00411932,0.0241553,0.0043028,0.00390779,0.00445425,0.0131857,0.0933419,0.00417465,0.0598443,0.0114652,0.00834664,0.00270559,0.0159986,0.0187407,0.0144019,0.00944886,0.0443879,0.0350092,0.00418193,0.0731561,0.0479283,0.0143156,0.0460157,0.0109949,0.000913336,0.010418,0.0158401,0.182374,0.0341491,0.0216461,0},

48^η γραμμή {0.000559655,0.000210492,0,0.00113479,9.07366×10⁻⁶,0,0.00189949,0.00540437,0.0000150037,0,0,0,0,0,0,2.04002×10⁻⁷,0,0,0,0,0,0,0,0,0,0,0.00083113,0,0.00042689,0.00405719,0.0302855,0.00105876,0,2.68634×10⁻⁶,0.0000175108,0.

00049957,0.0139516,0.0108748,0.0463962,0.0202674,0.0000697795,
0.0103449,0.00315739,0.000773934,0.0000643853,0.0197783,0.0016
0659,0.00244747,0.00507304,0,0.000201262,0.000140727,0.011344,
0.00333545,0.0162623,0.0000351291,0},

49^η γραμμή {0,0,0,0,0,0,0.000276595,0.000747989,0.000172588,
0.0000559233,0.000471522,0.000886665,0.000426929,0.000304912,0
.00063867,0.00281993,0.0000873111,0.00018161,0.000227755,0.000
955398,0.000319005,0.000504424,0.000720594,0.000325472,0.00056
2963,0.000074659,0.000313923,0.000143062,0.000461151,0.0004693
83,0.000194428,0.00128756,0.000712195,0.000161524,2.34304×10⁻⁷,
0.0000194848,0.000117386,0.0000
126165,0.00354865,0.00492332,0.000887096,0.00144345,0.00374017
,0.00735186,0.00943336,0.0237742,0.0000796002,0.00604224,0.051
5107,0.00764109,0.0128727,0.00271572,0.000959741,0.00398936,0.
0000126278,0.00136319,0.0221838,0.000213228,0},

50^η γραμμή {0,0,0.000682329,0,0,0,0,0,0,0,0,0,0,0,0.000014
7769,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,2.00789×10⁻⁷,0,0,0,
0,0,0,0,6.89128×10⁻⁷,0,0,0,0,7.76127×10⁻⁶,0,0.000414318,0.0
661387,0.00416835,0.000198706,0.00408555,0.00275194,7.70905×10⁻⁸,
0.0000120204,0.0000132052,0,0},

51^η γραμμή {0.00201072,0.000755261,0.00272564,0.00234528,0.
00574501,0,0.0227595,0.0300485,0.0246777,0.0922556,0.0265643,0
.0308041,0.0254355,0.0253033,0.0389981,0.0660184,0.0245935,0.0
367768,0.0130045,0.0238026,0.0208073,0.0402707,0.0674303,0.072
9505,0.0223304,0.0717347,0.0183177,0.0655853,0.0936062,0.01393
72,0.0187667,0.00316619,0.000876718,0.0375552,0.0392664,0.0204
927,0.0180332,0.0118035,0.045599,0.0130181,0.0144508,0.0217312
,0.00716397,0.0684531,0.109912,0.0622285,0.0027386,0.0701545,0
.10634,0.11009,0.122029,0.0210604,0.00191139,0.0117164,0.00012
4093,0.122169,0.0486652,0.00362574,0},

52^η γραμμή {0,
0,
0,0,0,0},

53^η γραμμή {1.42721×10⁻¹⁰,0,0,0,0,0,0,0,7.80305×10⁻¹⁰,0,0,0,0,
0,0,0.0000712691,0,4.68544×10⁻¹⁰,0,0,3.59151×10⁻¹⁰,0,7.57321×10⁻¹⁰,
0,0,2.87574×10⁻⁹,0,0,0.0000105876,0,1.68127×10⁻¹⁰,8.63036×10⁻⁶,
0.0000696819,1.25621×10⁻⁶,0.0000148216,1.16413×10⁻⁶,
0.0000229713,4.93511×10⁻⁸,2.21665×10⁻⁷,0.000153267,0,7.
17826×10⁻⁶,2.54467×10⁻⁶,0.000694842,5.70303×10⁻⁶,0.00033721
9,0.0000175853,0.0000147931,0.00667911,0.00123533,0.0011533,0.

00123822, 0.000406426, 0.00279207, 7.92765×10^{-7} , 0.000033
6545, 0.000394029, 0.0000308644, 0},

54^η γραμμή {0.000402559, 0.000151407, 0, 0, 0, 0, 0, 0, 0.0000107922
, 0, 0, 0, 0, 0, 0.00036101, 0, 0, 0, 0, 0, 0, 0, 0, 0.0000173016, 0
, 3.43952×10^{-7} , 8.45726×10^{-6} , 0.0000204853, 8.02574×10^{-6} , 0
, 4.90937×10^{-7} , 1.88575×10^{-7} , 0.00045349, 0.000250322, 5.52842×10^{-6}
, 0.0000542836, 0.0000187906, 0.00408923, 0.00896618, 0.00
0957186, 0.0000894949, 0.0000172354, 0.00169546, 0.000441814, 0.000
426258, 0.00652113, 1.84347×10^{-7} , 0.00481716, 3.39878×10^{-6}
, 0.00180442, 0.000489483, 0.000124866, 0},

55^η γραμμή { 8.28763×10^{-7} , 0, 0, 0, 0, 0, 0, 0, 0.0000187273, 0.0000227
267, 0, 0.0000312566, 0, 0.000143911, 0, 0.0000230343, 5.51432×10^{-7}
, 4.35432×10^{-6} , 0, 0, 0.000104, 0, 0.0000177171, 0.000133557, 0,
0.00025137, 0.000104628, 0, 0.000277249, 1.72133×10^{-7} , 0.00014
697, 0.000159317, 0.0000518717, 5.05391×10^{-6} , 5.48851×10^{-6} , 0.00
590342, 0.00380253, 0.00125845, 0.000365833, 0.0040135, 0, 0.0004572
3, 0.00018244, 0.00799697, 0.000152481, 0.000898033, 0.000300367, 0.
000224007, 0.00168517, 0.00155422, 0.00398494, 0.000351484, 0.01501
1, 0.00272661, 0.00019774, 0.000721549, 0.000419174, 0.000468446, 0}
,

56^η γραμμή {0, 0, 0, 0.000267868, 0.000377576, 0, 0.00121103, 0.001
72775, 0.00127077, 0.00133936, 0.00175593, 0.00170194, 0.00131284, 0
.00159768, 0.00158075, 0.00339724, 0.000389534, 0.00164031, 0.00169
395, 0.00146442, 0.000657395, 0.00178033, 0.00165896, 0.00150748, 0.
00143228, 0.00143873, 0.00148212, 0.000935306, 0.00077496, 0.001544
86, 0.00179314, 0.000881623, 0.000362374, 5.84212×10^{-7} , 1.73222×10^{-6} ,
0.000067285, 1.13138×10^{-6} , 3.4536×10^{-8} , 0.0000918522, 0.000042025, 0,
0.0000912784, 1.5202×10^{-7} ,
0, 1.88665×10^{-6} , 0, 0.0000356663, 0.00126063, 0.000741218, 0.00
0829957, 0.00272415, 0, 0, 0.0000388116, 3.05665×10^{-6} , 0, 0.0003
16898, 0.0000430903, 0},

57^η γραμμή {0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0.0000443599, 0, 0, 0
, 0, 0, 0, 0, 0, 0, 0, 0, 0, 9.32086 $\times 10^{-6}$, 0, 1.54462×10^{-8} , 0.000288233
, 1.83961×10^{-6} , 8.68381×10^{-7} , 0, 0, 5.24545×10^{-6} , 0.00252298, 0.00
00203649, 0.00012948, 0.000218396, 0.0000396443, 4.68488×10^{-6} ,
0, 0.000600121, 0.0000286079, 0.0000368293, 0.0000352861, 0.0014844
9, 0.000290094, 0.0300457, 0.00080243, 0.000642339, 0.00054956, 1.17
 726×10^{-6} , 0.00258163, 0.0822301, 0.00020981, 0},

58^η γραμμή {0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 8.79362 $\times 10^{-7}$, 0, 0, 0,
0, 0, 0, 0, 0, 0, 0, 0, 0.0000659446, 0, 7.8538×10^{-9} , 0, 0, $4.64035 \times 10^{-$

$8, 0, 0, 4.24629 \times 10^{-6}, 0.00153292, 0.0000114344, 0.000954624, 0,$
 $0.000128518, 6.01483 \times 10^{-6}, 0, 0.00141334, 0.0000803295, 0.00001$
 $20692, 0.0000206296, 8.0822 \times 10^{-6}, 0.000336977, 0.000093025, 0, 2$
 $.44789 \times 10^{-7}, 0.000606611, 1.38873 \times 10^{-6}, 0.000202003, 0.00081665$
 $9, 0.00155665, 0\},$

59^η γραμμή {0,
0,
0, 0, 0, 0}

}

A.2.β Εισαγωγή μήτρα εισαγωγών – Imp

{

1^η γραμμή {0.0161921, 0.00609002, 0.000219552, 0, 0, 0, 0, 0, 0.0313
703, 0.0191083, 0.00566368, 0.000285256, 1.73507×10^{-7} , 0.000013
6115, 0.00060431, 4.70104×10^{-7} , 5.76799×10^{-7} , 0.000167023, 0.001
77111, 1.87588×10^{-6} , 2.11539×10^{-7} , 7.21402×10^{-6} , 0.0000874005, 0
, 6.84833×10^{-8} , 0, 3.048×10^{-6} , 1.12879×10^{-7} , 0.0000105425, 0.0008
87506, 0, 2.21199×10^{-8} , 0, 3.05959×10^{-11} , 0, 0.000452118, $5.07519 \times 10^{-$
 6 , 0.00212324, 0.000117593, 0.000152614, 0, 0.000278211, $4.1005 \times 10^{-$
 6 , 0, 5.68031×10^{-6} , 0, 0.000156903, 0.000831974, 0, 0, $3.90905 \times 10^{-$
 8 , 0, 5.45717×10^{-6} , 0.0000127003, 0, 0.00013355, 0.00001796
45, 0.0000825225, 0},

2^η γραμμή {0, -0.0228074, 0, -0.000483118, -0.000140976, 0, -0.000
162828, -0.000124702, -0.000193704, -0.0000137027, -0.0000240

547,-0.000104979,-0.0000328955,-0.0124197,-0.0000691178,-
0.000110794,-1.66902×10⁻⁷,-0.000232244,-0.0000367446,-0.00
00303961,-0.0000461432,-0.0000515538,-0.0000170892,-0.000
0113684,-6.03216×10⁻⁶,-6.37132×10⁻⁶,-0.0000171145,-5.85985×10<sup>-
6</sup>,-0.0000248816,-0.000185424,-0.000143561,-2.21296×10⁻⁷,0,-
2.3551×10⁻⁷,-1.18774×10⁻⁸,-0.0000150895,-2.62353×10⁻⁷,-
0.000106377,-4.05167×10⁻⁶,0,0,-0.0000103165,-1.77783×10⁻⁷,0
,0,0,-6.20143×10⁻⁶,-0.0000291799,0,0,-0.0000174295,0,-0.00
436195,-2.26449×10⁻⁹,0,-0.0000283756,-9.44324×10⁻⁷,-1.30457×10<sup>-
6</sup>,0},

3^η γραμμή {0,0,0.00551512,0,0,0,0,0,0.0000881913,0,1.17802×10<sup>-
6</sup>,0,5.14063×10⁻¹⁰,2.88101×10⁻⁶,1.40579×10⁻⁶,6.34485×10⁻¹⁰,0
,2.97196×10⁻⁷,7.87498×10⁻⁶,2.06378×10⁻⁸,1.53532×10⁻⁸,9.10972×10<sup>-
7</sup>,5.4052×10⁻⁷,0,1.73059×10⁻⁸,0,7.17896×10⁻⁷,2.85249×10⁻⁸,
1.9567×10⁻⁶,0.000220784,0,0,0,7.64777×10⁻¹³,0,1.58523×10⁻⁶,9
.70223×10⁻⁷,0.000387423,4.0959×10⁻⁷,0.0000283253,0,4.41659×10<sup>-
6</sup>,7.4994×10⁻⁷,0,1.05402×10⁻⁶,0,2.44111×10⁻⁶,6.5074×10⁻⁶,0
,0,9.57395×10⁻¹⁰,0,0,4.37687×10⁻⁷,0,6.04572×10⁻⁶,3.26832×10<sup>-
6</sup>,4.75114×10⁻⁶,0},

4^η γραμμή {0,0,0.000224409,0,0,0,0,0,7.89528×10⁻⁶,0,3.91655×10<sup>-
8</sup>,0,0,3.22842×10⁻⁸,1.21312×10⁻⁷,0,2.62392×10⁻⁷,3.2906×10⁻⁷,
3.86621×10⁻⁶,0.0000622093,0.000269616,0.0000145382,2.03152×10<sup>-
6</sup>,0,0,0,0,0,3.67555×10⁻⁸,0,0.0000184844,0.00752414,0,9.8232×10<sup>-
8</sup>,0,4.54065×10⁻⁷,0,0,2.80246×10⁻⁷,0,0,6.60011×10⁻⁷,0
,0,0,0,0.0000313606,0.000296819,0,0,7.00505×10⁻¹¹,0,0,0,0,0,
0,1.96588×10⁻⁸,0,0},

5^η γραμμή {0,0,0,0,0,0,0,0,0.00182195,0.0015075,0.0151835,0.
0102818,0.00316639,0.00315864,0.00282221,0.00204424,0.601852,0
.00826169,0.00372085,0.00403287,0.0203349,0.00799057,0.0291989
,0.00426925,0.0164949,0.0149716,0.0014166,0.0379242,0.0747117,
0.00454615,0,0.00951802,0,0,0.0000770107,0.00481464,3.1709×10<sup>-
6</sup>,0,0.000294822,0,0,0.000648971,0,0,0,
0,0.000406033,0.0024084,0,0,0,0,0,0,0,0,0,0,0,0,0,0},

6^η γραμμή {0,
0,
0,0,0,0},

7^η γραμμή {0,0,0,0,0,0,0.000841493,1.289×10⁻⁶,7.95986×10⁻⁸,0,
7.27182×10⁻⁸,0,2.35719×10⁻⁷,2.63056×10⁻⁶,3.13328×10⁻⁶,0,1.74
846×10⁻⁸,0.000104384,0.0000400638,0.000059247,0.00304663,0
.000163178,0.0000171542,0,0,0,3.28575×10⁻⁷,0,4.15477×10⁻⁷,1

$6, 4.62958 \times 10^{-7}, 0.000201781, 0, 0.0000195301, 0.0000626045, 2$
 $.17879 \times 10^{-7}, 0.0000719483, 0.000364642, 0.000156413, 0\},$

12^η γραμμή { $2.19332 \times 10^{-8}, 0, 5.78654 \times 10^{-6}, 0, 0, 0, 0, 0, 4.9558 \times 10^{-7},$
 $6.01404 \times 10^{-7}, 0.000125416, 0.0173721, 0, 3.80824 \times 10^{-6}, 0, 0.0000$
 $327307, 1.45922 \times 10^{-8}, 1.15233 \times 10^{-7}, 0, 0, 2.7521 \times 10^{-6}, 0, 4.68848 \times 10^{-$
 $7, 3.53423 \times 10^{-6}, 0, 6.6519 \times 10^{-6}, 2.7687 \times 10^{-6}, 0, 0.000012536, 4$
 $.55505 \times 10^{-9}, 3.88235 \times 10^{-6}, 0.000038009, 0.00183708, 7.20367 \times 10^{-$
 $7, 0.0000309101, 0.000212825, 0.000101614, 0.000359417, 7.97369 \times 10^{-$
 $6, 0.000173188, 0.000331994, 0.0000495965, 1.35368 \times 10^{-6}, 0.0$
 $000441879, 6.48213 \times 10^{-6}, 2.77096 \times 10^{-6}, 0.0000239547, 0.00006738$
 $46, 0.0000112791, 0.0000400808, 0.000238762, 0.000595811, 0.0000663$
 $311, 0.000265302, 0.00685343, 0.0000514547, 0.00036813, 0.000082527$
 $5, 0\},$

13^η γραμμή { $0.0000554311, 0.0000208483, 0, 0, 0, 0, 0, 0, 1.52406 \times 10^{-$
 $6, 0, 0.0000144214, 0.00197231, 0.099079, 0.0000140353, 6.91452 \times 10^{-$
 $6, 0.000387519, 8.41407 \times 10^{-9}, 0.0000500877, 1.11514 \times 10^{-6}, 1.32216 \times 10^{-$
 $8, 6.10087 \times 10^{-8}, 3.76592 \times 10^{-7}, 8.11355 \times 10^{-6}, 0, 3.59601 \times 10^{-$
 $9, 4.44006 \times 10^{-10}, 0.0000448147, 0.000168817, 2.83481 \times 10^{-6}, 0.00$
 $00459931, 3.37618 \times 10^{-10}, 5.92549 \times 10^{-6}, 0, 1.38099 \times 10^{-9}, 9.79366 \times 10^{-$
 $6, 0.0000359908, 3.60048 \times 10^{-6}, 9.03567 \times 10^{-9}, 8.82465 \times 10^{-6}, 0.00$
 $0041037, 0, 0.0000199403, 1.48452 \times 10^{-7}, 0, 1.53341 \times 10^{-6}, 0, 0.0000$
 $107182, 0.0000582697, 1.15812 \times 10^{-6}, 8.16096 \times 10^{-6}, 0.00013462, 0,$
 $9.4306 \times 10^{-7}, 0.0000878721, 3.58191 \times 10^{-8}, 0.0000162246, 0.000116$
 $728, 0.0000518577, 0\},$

14^η γραμμή { $0, 0, 0.00152838, 0, 0, 0, 0.000067321, 0.000362544, 0.0$
 $0254504, 0.00306865, 0.000910601, 0.000245493, 0.000382225, 0.10742$
 $, 0.000700616, 0.000112419, 0.0000305168, 0.00438545, 0.000991356, 0$
 $.000634954, 0.0000830352, 0.000753958, 0.000940749, 0.0000275368, 0$
 $.000823219, 0.0000580225, 0.00109453, 0.00026469, 0.000241159, 0.05$
 $81357, 0.0000191128, 0.000119409, 0, 0.00125331, 4.44937 \times 10^{-$
 $7, 0.000245269, 0.0000539736, 0.00651982, 0.$
 $0000676427, 0.0000714191, 0.0000157492, 0.000358014, 0.0000179725,$
 $7.45504 \times 10^{-8}, 0.0000157356, 5.60918 \times 10^{-7}, 0.000115398, 0.$
 $000519984, 8.62494 \times 10^{-6}, 4.40391 \times 10^{-6}, 0.000466027, 0, 0, 5.08614 \times 10^{-$
 $6, 5.09674 \times 10^{-8}, 7.34107 \times 10^{-7}, 0.00033262, 0.00388323, 0\},$

15^η γραμμή { $0.00006703, 0.0000247778, 0.0019667, 0.00228596, 0.0$
 $0066705, 0, 0.000770648, 0.000894523, 0.00384138, 0.0189753, 0.00100$
 $559, 0.000788691, 0.0039505, 0.00623123, 0.167844, 0.0899117, 0.0033$
 $1523, 0.00642777, 0.00385378, 0.00163042, 0.000901036, 0.000549686,$

0.000433432,0.000328887,0.000956638,0.000454042,0.000512933,0.0000849145,0.000249833,0.000494791,0.00119325,0.0000430009,6.3578×10⁻⁶,0.0000800664,0.00209794,0.00855927,0.00400857,0.0105284,0.000787392,0.000617914,0.00125012,0.00312605,0.00127053,0.0000136756,0.00347385,0.00208619,0.000578894,0.0017159,0.0173095,0.000414694,0.00399755,0.000363693,6.90596×10⁻⁹,0.0000388987,2.3762×10⁻⁷,0.00113438,0.000520142,0.000318724,0},

16^η γραμμή {6.20352×10⁻⁷,2.29397×10⁻⁷,0,0.000193406,0.0000564366,0,0.0000651848,0.0000499218,0.00010264,0.000317415,0.0000595207,0.0000594997,0.000080846,0.0000795151,0.0000825988,0.000697526,6.27867×10⁻⁶,0.000320854,0.0000622624,0.00112991,0.0000399994,0.0000376742,0.0000182314,0.0000124441,0.0000127005,0.0000104795,0.0000224632,4.60386×10⁻⁶,0.0000306535,0.0000201043,0.0000866977,0.0000155481,2.98169×10⁻⁶,0.000129877,5.32303×10⁻⁶,0.000079123,0.0000325698,0.0021387,0.0000742369,0.000172314,0.000274532,0.0000323018,0.000125042,0.000353163,0.000280628,0.000280202,0.0000107071,0.00078816,0.00259908,0.00242676,0.00134179,0.000300321,0.000292248,0.0000679149,1.62083×10⁻⁷,0.00232258,0.000791548,0.0000231357,0},

17^η γραμμή {0.00935152,0.0035451,0.0153625,0.00993178,0.00424148,0,0.0114672,0.0184024,0.00204196,0.00132697,0.00101122,0.000386695,0.00677796,0.00485587,0.00246381,0.00244181,0.0178252,0.00143506,0.00194041,0.00566264,0.00523583,0.0029767,0.00204679,0.000934113,0.00154594,0.00106217,0.00120483,0.000642854,0.00221794,0.0011843,0.00713828,0.012643,0.00637144,0.00621158,0.00019924,0.00370106,0.00163617,0.00224859,0.0291828,0.01267,0.0157,0.00748076,0.00162892,0.00105689,0.000742433,0.00110655,0.000269036,0.00295667,0.000571657,0.000816607,0.00224815,0.0013267,0.000148843,0.0042626,0.00605261,0.0025868,0.000928035,0.000191715,0},

18^η γραμμή {0.0225075,0.00847929,0.000424824,0.0240265,0.00701101,0,0.0229179,0.0160952,0.00857312,0.000970155,0.0455795,0.00182628,0.0142026,0.0225038,0.0359354,0.017919,0.0131001,0.225579,0.152147,0.00855698,0.0100399,0.02405,0.0115572,0.0184086,0.0321972,0.00358725,0.0928401,0.143052,0.00658088,0.0134816,0.00514721,0.0000427701,0.00127048,0.00126771,0.00420668,0.0244295,0.0041232,0.0122218,0.00109029,0.00200369,0.000268347,0.00182069,0.0000715912,0.000792753,0.00163058,0.000125402,0.00162484,0.004674,0,0.00457994,0.00488823,0.00509246,0.000606586,0.068307,0.0101531,0.00665014,0.00812966,0.00426066,0},

19^η γραμμή {0.000689325, 0.000259052, 8.53237×10⁻⁶, 0.00297728, 0.00086878, 0, 0.00100458, 0.00250242, 0.00324026, 0.00262465, 0.00219392, 0.000829744, 0.00641476, 0.00370179, 0.00430348, 0.00233228, 0.0000261387, 0.00283736, 0.0142215, 0.000719958, 0.000423176, 0.0025238, 0.00360039, 0.00614902, 0.00533607, 0.00309646, 0.00327144, 0.00088616, 0.000383854, 0.00506989, 0.000999836, 0.0000714696, 0.0000981468, 0.00720529, 0.000478924, 0.00415731, 0.00301332, 0.00095374, 0.00145702, 0.0003667, 0.000864269, 0.000525839, 0.0000169581, 1.53499×10⁻⁷, 0.000016209
1, 0.0000454504, 0.000212073, 0.00173799, 0.000220578, 0.0000846916, 0.000239683, 0, 0.0000272814, 0.0000732069, 7.86482×10⁻⁶, 0.000010969, 0.000146589, 0.00340626, 0},

20^η γραμμή {8.88657×10⁻¹³, 0, 0, 0, 0, 0, 0, 0, 0.000658553, 0.000784602, 0.000126681, 0.0000621738, 0.0000972981, 0.00017969, 0.000150788, 0.0000242635, 9.98484×10⁻⁶, 0.00108399, 0.00066825, 0.0182999, 0.000165305, 0.000176555, 0.000954868, 0.000397177, 0.00197154, 0.0000634678, 0.00416694, 0.000411843, 0.000433808, 0.000375122, 1.84305×10⁻⁷, 0.0000138779, 4.21849×10⁻⁶, 0.0167192, 6.75195×10⁻⁷, 0.0000819772, 1.29651×10⁻⁶, 0.000415144, 0.0000845412, 0.0000432027, 0.000054328, 0.0000765801, 8.50064×10⁻⁷, 0, 1.68539×10⁻⁶, 6.62464×10⁻¹¹, 0.0000348204, 0.000197193, 0, 9.132×10⁻⁶, 0.0000155946, 0, 3.81985×10⁻⁶, 0.000380284, 1.42938×10⁻⁶, 4.01787×10⁻⁶, 0.000205901, 0.00003048, 0},

21^η γραμμή {0, 0, 0, 0, 0, 0, 0, 0, 0.00222919, 0.0026874, 0.0319551, 0.00021149, 0.000355112, 0.00172029, 0.000991344, 0.000765362, 0.000265532, 0.00309513, 0.0147749, 0.00317604, 0.242099, 0.149271, 0.050764, 0.0187994, 0.114063, 0.01732, 0.00993135, 0.0282068, 0.0575325, 0.00753991, 0.190218, 0.000139033, 0.0000432248, 0.014022, 0.00430259, 0.0011212, 5.43213×10⁻⁶, 2.48578×10⁻⁸, 0.000336708, 0.00011696, 0, 0.000733222, 4.23107×10⁻⁷, 0, 4.35206×10⁻⁶, 0, 0.00045786, 0.00229825, 0, 4.21228×10⁻⁸, 2.3852×10⁻⁶, 0, 0.0000156859, 7.26494×10⁻⁶, 0.0000634346, 6.20846×10⁻⁷, 0.000649543, 0, 0},

22^η γραμμή {0.00005949, 0.00180958, 0, 0.000438352, 0.000127913, 0, 0.000147741, 0.000113147, 0.00188733, 0.00218425, 0.00228824, 0.000475594, 0.00130319, 0.00078981, 0.000940205, 0.00111686, 0.0000215383, 0.00225608, 0.00217613, 0.000631243, 0.000831919, 0.00820419, 0.00181159, 0.00189943, 0.00296833, 0.000597201, 0.000397236, 0.000485767, 0.00283209, 0.00133801, 0.000701488, 0.000179054, 0.000383294, 0.0125367, 0.0000473147, 0.000109662, 0.0000302448, 0.000695346, 0.00014752, 0.000619546, 0.0000189736, 0.0000946602, 0.0000110425, 8.35317×10⁻⁸, 0.0000232358, 2.74399×10⁻⁶

$^6, 0.0000576497, 0.000205464, 0.000234549, 9.92\ 053 \times 10^{-6}, 0.000747651, 0.000204475, 0.00337902, 0.0000222299, 0.00240887, 0.000193263, 0.000125834, 0.000102721, 0\},$

23^η γραμμή { $0.00507871, 0.00191016, 0, 0.0230101, 0.0814838, 0, 0.0245662, 0.0284486, 0.00212098, 0.00271601, 0.00408955, 0.00206732, 0.00209731, 0.0100502, 0.0038209, 0.00826175, 0.000276477, 0.00331102, 0.00549012, 0.0143025, 0.00522098, 0.00659313, 0.114535, 0.000170713, 0.00354081, 0.00180899, 0.00102253, 0.00572443, 0.0135896, 0.00219807, 0.00766035, 0.00862401, 0.0378505, 0.00508542, 0.000311706, 0.000558404, 0.0000470346, 0.00166564, 0.00163078, 0.000966761, 0.00540553, 0.00218841, 0.000449939, 4.85112 \times 10^{-6}, 0.0000464155, 1.58268 \times 10^{-10}, 0.000664172, 0.00371346, 0.000130368, 0.0000427198, 0.00146557, 0.0447838, 0.0000412996, 0.0000279555, 0.0112128, 0.00184776, 0.000274342, 0.000365438, 0\},$

24^η γραμμή { $0, 0, 0, 0, 0, 0, 0, 0, 0.000233174, 0.000340332, 0.00045437, 0.000258958, 0.000262724, 0.000369823, 0.000461251, 0.000763518, 0.0000346391, 0.000343376, 0.000510321, 0.00170406, 0.000608826, 0.000368571, 0.0000665674, 0.0103431, 0.0000405981, 0.0000343588, 0.0000264337, 0.0000960713, 0.000198084, 0.000248692, 0.000415819, 4.9714 \times 10^{-6}, 6.1747 \times 10^{-7}, 0.0000351992, 1.9\ 0849 \times 10^{-7}, 0.0000169078, 3.49687 \times 10^{-6}, 0.000293733, 0.000350673, 0.000151203, 0.000445728, 0.000314943, 0.0000850465, 9.1858 \times 10^{-7}, 7.84421 \times 10^{-6}, 0.00139832, 0.0000144465, 0.00189673, 0.00758487, 0.000474897, 0.0000703163, 0.000607301, 0.000394524, 0.0000144462, 9.9409 \times 10^{-8}, 0.000388086, 0.000108954, 0.000131993, 0\},$

25^η γραμμή { $6.1858 \times 10^{-10}, 0, 0, 0.00246721, 0.000719939, 0, 0.000831537, 0.000636834, 0.000538111, 0.000785296, 0.00114068, 0.000597529, 0.000606256, 0.000873572, 0.00106797, 0.00168722, 0.0000799277, 0.000849257, 0.00167483, 0.00398917, 0.00142354, 0.00144159, 0.00757085, 0.000911715, 0.0365862, 0.00133995, 0.000706611, 0.0021579, 0.00202152, 0.000770575, 0.0227808, 0.0027774, 0.0123074, 0.0197411, 1.52208 \times 10^{-6}, 0.000135479, 0.000110852, 0.000964231, 0.00173609, 0.000651558, 0.00664507, 0.00178097, 0.000283301, 3.05433 \times 10^{-6}, 0.0000348002, 8.26739 \times 10^{-8}, 0.0000620951, 0.000532966, 0.00191374, 0.0000978521, 0.000273307, 0, 0.000079359, 0.000116214, 3.65303 \times 10^{-7}, 0.0000451053, 0.00305157, 0.0000625176, 0\},$

26^η γραμμή { $2.40826 \times 10^{-8}, 0, 0, 0, 0, 0, 0, 0, 1.31668 \times 10^{-7}, 0, 6.6994 \times 10^{-6}, 0, 0, 5.24551 \times 10^{-6}, 0, 0.000112496, 0, 6.47502 \times 10^{-6}, 0.0000167395, 6.96014 \times 10^{-6}, 1.63111 \times 10^{-6}, 0.000113138, 0.00150409, 0.0657$

782, 0.00277729, 0.0830883, 0.000397254, 0.0000892971, 3.54646×10⁻⁶, 0.000401489, 0.0000832881, 0.0000494346, 0.0000285935, 0.00208883, 0, 0.000328882, 0.0041546, 0.0000825035, 0.000160252, 0.000493066, 0.0000768655, 0.000235852, 0.0103241, 0.000112883, 2.96055×10⁻⁶, 6.66773×10⁻⁸, 0.000132908, 0.000349106, 0.00184836, 0.000135178, 0.00229715, 0, 9.57706×10⁻⁹, 0.0000115975, 3.98437×10⁻⁷, 2.53778×10⁻⁶, 0.00211675, 0.0000237809, 0},

27^η γραμμή {0, 0, 0, 0, 0, 0, 0, 0, 9.12102×10⁻⁹, 0, 0.0000106765, 0, 4.72929×10⁻⁹, 5.95896×10⁻⁷, 4.6674×10⁻⁷, 0.00031943, 0, 4.65196×10⁻⁶, 0.0000459172, 5.61217×10⁻⁶, 2.51969×10⁻⁶, 0.000073442, 0.00152535, 1.4214×10⁻⁶, 0.000206589, 0.00058989, 0.110063, 0.000112557, 0.00463783, 0.0000348474, 0.000227699, 0.0000745336, 0.0000473186, 0.000364896, 4.77184×10⁻⁷, 0.0000534063, 4.10819×10⁻⁶, 0.000171963, 0.0000562386, 0.000132374, 0.00662726, 0.00062791, 0.000104546, 1.13476×10⁻⁶, 6.51555×10⁻⁶, 1.14421×10⁻⁹, 0.0000885435, 0.000102905, 0.000140015, 0.00503231, 0.000766425, 0.00471452, 0.0000108606, 0.0437912, 1.79772×10⁻⁶, 0.0000656754, 0.00096019, 0.0000138438, 0},

28^η γραμμή {0, 0.0000264423, 0, 0.000460461, 0.00206339, 0, 0.000491602, 0.000797818, 0.00128267, 0.000712206, 0.000619438, 0.00105954, 0.000750368, 0.00161111, 0.000923013, 0.00297342, 7.29237×10⁻⁷, 0.00108778, 0.00212627, 0.00660376, 0.000162793, 0.00138093, 0.000869134, 0.000859339, 0.00694614, 0.000137978, 0.00085686, 0.0540842, 0.000347522, 0.00145416, 0.00246914, 3.30362×10⁻⁷, 0.00430704, 0.0000322024, 0.0250857, 0.0000632297, 4.43492×10⁻⁶, 7.87581×10⁻⁷, 0.00350761, 0.0000267903, 0.00303131, 0.00134965, 0.000105997, 1.15794×10⁻⁶, 8.36649×10⁻⁶, 1.30051×10⁻¹¹, 0.000475093, 0.00479594, 3.01921×10⁻⁶, 3.33734×10⁻⁶, 0.000604029, 0.0188304, 0.0000950516, 0.000120097, 0.0176483, 0.00583078, 0.000530178, 8.89425×10⁻⁶, 0},

29^η γραμμή {0, 0, 0.00693731, 0.00108145, 0.00484613, 0, 0.00115459, 0.00187378, 0, 0, 0, 0, 0, 2.04918×10⁻⁸, 0.000272523, 1.28546×10⁻⁷, 0, 0, 6.58771×10⁻⁷, 0.0000318229, 0.0000285896, 0, 0, 0.00445734, 0, 0.00325094, 0.0364557, 6.14658×10⁻⁸, 0.000226855, 0, 0, 0.000126586, 0.00115255, 3.65954×10⁻⁶, 0.0000270022, 4.72562×10⁻⁶, 0.000607824, 0.0206413, 0.0119971, 0.00143668, 0.000106926, 3.52691×10⁻⁷, 0.000770154, 0, 0.0000200296, 0.00108634, 7.091×10⁻⁷, 0, 2.88051×10⁻⁶, 0, 0, 0.0000141358, 4.87367×10⁻⁹, 9.71137×10⁻⁶, 0.0000888268, 7.93794×10⁻⁶, 0},

30^η γραμμή {9.43199×10⁻⁸, 8.56928×10⁻⁶, 0, 0.000337631, 0.0000985219, 0, 0.000113794, 0.0000871491, 0.000176559, 0.0000972436, 0.0004

64842,0.00269082,0.000526136,0.000339532,0.000216942,0.0007722
21,9.77774×10⁻⁷,0.000182717,0.000227851,0.000121
689,0.000341146,0.00063574,0.000142378,0.0000936869,0.00004157
87,0.0000853431,0.000173224,0.000106314,0.00028923,0.0161617,0
.0103054,0.0000546415,5.34829×10⁻⁶,0.000314864,0
.0000178298,0.000716894,0.000514929,0.00195521,0.000303382,0.0
00263842,0.000308316,0.00123177,0.000590309,0.00154899,0.00002
0134,0.000436116,0.000054278,0.000192545,0.000126724,0.0014757
7,0.00065955,0.000121712,0.000190572,0.000506056,2.60784×10<sup>-
6</sup>,0.00147986,0.00149261,0.000478067,0},

31^η γραμμή {0,
0,0,0,0,0,0,-0.000383029,0,0,-8.08426×10⁻⁷,0,-7.76623×10⁻⁸,0,-
2.15858×10⁻⁸,-0.000286701,0,0,-0.000016288,0,0,0,0,-6.15925×10<sup>-
8</sup>,-1.44087×10⁻⁶,0,0,-2.81498×10⁻⁸,0,0,0,0,0,0,0,0,0},

32^η γραμμή {0.000189308,0.0000717046,3.41764×10⁻⁶,0.00240384
,0.00131497,0,0.000350134,0.00100603,0.000380554,0.000181976,0
.000992876,0.000331507,0.000372923,0.000543503,0.000879035,0.0
00527308,0.000158715,0.000391068,0.000953911,0.00135084,0.0017
1674,0.00050571,0.000255846,0.000238774,0.00035132,0.000244117
,0.000284399,0.000147474,0.000492244,0.000196698,0.000981355,0
.001711,0.000869185,0.0000435522,0.000791977,0.000372503,0.000
215122,0.000582792,0.000172197,0.0000562769,0.000127313,0.0003
78775,0.00018979,0.0000924606,0.0000335323,0.0000612574,0.0000
434439,0.000294738,0.000206945,0.000236794,0.00017851,0.000121
004,0.0000197713,0.000153895,0.0003174,0.000145915,0.000237535
,0.000129226,0},

33^η γραμμή {0,
0,
0,0,0,0},

34^η γραμμή {0.0000129984,0.0000127296,0,0.000548767,0.000049
3777,0,0.000248781,0.000244006,0.0000653988,0.0000835416,0.000
0846031,0.0000491423,0.000505798,0.000507503,0.000109101,0.000
113578,0.0000299516,0.00010535,0.0000917396,0.000135709,0.0001
26474,0.0000608026,0.0000124813,8.87557×10<sup>-
6</sup>,0.0000194003,0.0000110353,8.05139×10⁻⁶,0.0000318492,0.00
00395661,0.0000533646,0.000170654,0.0000454393,0.0000631563,1.
44726×10⁻⁶,4.24844×10⁻⁶,0.0000657293,0.0000411825,0.0
000715663,2.60245×10⁻⁶,0.0000404688,0.0000604284,0.0001003
17,0.0000189969,0.0000670574,0.000475128,0.000182782,0.0009679
96,0.0000191565,6.92089×10⁻⁶,0.00020043,0.000146777,

0.000231382,0.0000348348,0.0000932711,8.72395×10⁻⁷,0.0006
20944,0.000238547,3.95955×10⁻⁶,0},

35^η γραμμή {0,
0,
0,0,0,0},

36^η γραμμή {0,
0,
0,0,0,0},

37^η γραμμή {0,
0,
0,0,0,0},

38^η γραμμή {1.29744×10⁻⁸,6.37709×10⁻⁶,0,0.0000118958,0.000273
634,0,0.0000367098,0.0000333945,0.000167508,0.000297004,0.0002
66772,0.000499919,0.000314203,0.000189359,0.000219956,0.000240
623,0.0000316413,0.000379867,0.000275352,0.000220533,0.0001796
23,0.000391849,0.00034002,0.000881985,0.000259778,0.000841971,
0.00018267,0.000157801,0.000669345,0.000207836,0.000196408,0.0
000373791,0.0000266299,0.000010311,3.90386×10⁻
7,0.000104617,0.0000651023,5.83571×10⁻⁶,0.00
0196604,0.00399963,0.0121829,0.00929811,0.0000150959,0.0001244
57,0.00779769,0.00929055,0.0000472953,0.000969127,0.00124637,0
.00292864,0.00322797,0.000607716,4.42737×10⁻⁶,0.
000207186,1.37625×10⁻⁶,0.00508658,0.00191418,0.0211306,0},

39^η γραμμή {0.0000676022,0.0000267117,0.0000930682,0.0001223
41,0.0023015,0,0.0018557,0.000768004,0.0000481177,0.0000722147
,0.0000785949,0.000122539,0.0000723968,0.0000759121,0.00005306
23,0.0000785814,7.3112×10⁻⁶,0.000177277,0.00006
55826,0.0000543773,0.0000637618,0.0000951067,0.0000819922,0.00
0228489,0.00005896,0.000244545,0.0000646159,0.0000372627,0.000
0915439,0.000047909,0.000212469,0.0000439251,2.65394×10⁻
8,0.0000871179,0.000109544,0.00126668,0.000576641,3.40954×10⁻
7,0.0000634599,0.0000889524,7.11457×10⁻⁶,0.000
570805,1.96948×10⁻⁶,0.0000808625,9.37225×10⁻⁶,0.0000319318,
0.000045417,0.000209129,0.0000286271,0.00021344,0.0000542523,0
.0000896682,0.0000147271,0.0000231158,8.63462×10⁻⁷,0.
000163736,0.0000627948,0.000304209,0},

40^η γραμμή {8.45108×10⁻⁸,0,0.000956093,0,0,0,0,0,1.91624×10⁻⁶
,2.32803×10⁻⁶,0,3.2018×10⁻⁶,0,0.0000147417,0,8.43414×10⁻⁶,5
.64864×10⁻⁸,4.44777×10⁻⁷,0,0,0.0000106524,0,1.81282×10⁻⁶,0.
000013681,0,0.0000257416,0.0000107176,0,0.000326477,1.76326×10⁻

$8, 0.0000167931, 1.6055 \times 10^{-6}, 2.57843 \times 10^{-8}, 6.86833 \times 10^{-6}, 0$
 $.0000262842, 0.000601587, 0.000332749, 1.62967 \times 10^{-6}, 0.0023377$
 $4, 0.00472615, 0, 0.00104386, 0.0000171433, 5.07997 \times 10^{-10}, 0.000$
 $190461, 2.9008 \times 10^{-6}, 0.0000232606, 0.0000971388, 0.0000266754,$
 $0.000959349, 0.000194785, 0.000154848, 1.26037 \times 10^{-6}, 0.0000190$
 $17, 3.66682 \times 10^{-7}, 4.73513 \times 10^{-7}, 0.000116184, 5.23886 \times 10^{-7}, 0\},$

41^η γραμμή { $1.44626 \times 10^{-7}, 0, 0, 0, 0, 0, 0, 0, 0.000246625, 0.00043569$
 $4, 0.000388234, 0.000732295, 0.000457259, 0.000297507, 0.000320102,$
 $0.000628605, 0.0000461315, 0.000553482, 0.00040072, 0.000320941, 0.$
 $000277254, 0.000570258, 0.000497528, 0.00130391, 0.000378055, 0.001$
 $26362, 0.000281785, 0.000229648, 0.000581646, 0.00030249, 0.0003019$
 $12, 0.000212706, 1.9303 \times 10^{-6}, 0.000081936$
 $3, 0.0000175266, 0.00104744, 0.000595929, 0.000101928, 0.0000962404$
 $, 0.000563548, 0.000720592, 0.00606191, 0.000681395, 0.000460922, 0.$
 $0000951845, 0.000435162, 0.000102885, 0.000803044, 0.00107401, 0.00$
 $0596449, 0.00266537, 0.00602094, 2.4557 \times 10^{-6}, 4.54395 \times 10^{-$
 $6, 3.2774 \times 10^{-7}, 0.00215933, 0.000671703, 0.000105262, 0\},$

42^η γραμμή { $7.55833 \times 10^{-6}, 2.57258 \times 10^{-6}, 0.00355446, 0, 0, 0, 0, 0.00$
 $101677, 0.0013184, 0.0000195179, 0.000238733, 0.000323576, 0.000041$
 $6329, 0.000796127, 0.000946904, 0.000555507, 0.000903521, 0.0005700$
 $11, 0.000258079, 0.00026641, 0.000123316, 0.000441702, 0.000389047,$
 $0.000158896, 0.0000875922, 0.000273593, 0.000302735, 0.000137268, 0$
 $.0144483, 0.000220197, 0.000218685, 0.0000153589, 4.09617 \times 10^{-$
 $7, 0.014463, 4.96453 \times 10^{-6}, 0.00518232, 0.0$
 $0483006, 0.00389173, 0.0670424, 0.20823, 0.0333381, 0.0560776, 0.006$
 $73178, 0.000463109, 0.00816236, 0.0000266704, 0.000285473, 0.003721$
 $22, 0.0064926, 0.00211504, 0.000985147, 0, 4.44177 \times 10^{-$
 $9, 0.00572904, 1.48913 \times 10^{-6}, 1.77706 \times 10^{-6}, 0.00165681, 0.00008$
 $09987, 0\},$

43^η γραμμή { $1.43922 \times 10^{-6}, 4.45124 \times 10^{-7}, 0.000108174, 7.01267 \times 10^{-6}$
 $, 0.000151531, 0, 0.0000807047, 0.000209476, 0.000146319, 0.00008269$
 $6, 0.000249047, 0.00038233, 0.000305862, 0.000300172, 0.000252176, 0$
 $.00101813, 0.0000162461, 0.000233552, 0.000266421, 0.000242362, 0.0$
 $00103176, 0.000305251, 0.000261502, 0.000577861, 0.000205325, 0.000$
 $411013, 0.000368919, 0.0000953493, 0.000160656, 0.00028197, 0.00020$
 $9189, 0.000431296, 0.0000966955, 0.000242651, 0.0004611, 0.00183278$
 $, 0.00134969, 0.000570749, 0.000337969, 0.00044471, 0.000768946, 0.0$
 $011469, 0.00364323, 0.00154236, 0.0021572, 0.00205678, 0.0000992809$
 $, 0.00147628, 0.00315049, 0.000795837, 0.00216293, 0.00066642, 0.000$
 $0250063, 0.000147842, 1.45842 \times 10^{-$
 $6, 0.000837591, 0.000715619, 0.0000825844, 0\},$

17^η γραμμή {0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0.0390286,0,0,0,
0,
0,0,0,0,0,0,0,0},

18^η γραμμή {0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0.0378278,0,0,
0,
0,0,0,0,0,0,0,0},

19^η γραμμή {0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0.0300205,0,
0,
0,0,0,0,0,0,0,0},

20^η γραμμή {0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0.0427177,
0,
0,0,0,0,0,0,0,0},

21^η γραμμή {0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0.028171
8,0,
0,0,0,0,0,0,0,0},

22^η γραμμή {0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0.0337
842,0,
0,0,0,0,0,0,0,0},

23^η γραμμή {0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0.03
53653,0,
0,0,0,0,0,0,0,0},

24^η γραμμή {0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0.0332371,
0,
0,0,0,0,0,0,0,0},

25^η γραμμή {0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0.0344221,
0,
0,0,0,0,0,0,0,0},

26^η γραμμή {0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0.0309441,
0,
0,0,0,0,0,0,0,0},

27^η γραμμή {0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0.0415188,
0,
0,0,0,0,0,0,0,0},

28^η γραμμή {0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0.0509257,
0,
0,0,0,0,0,0,0,0},

Παράρτημα Β

Β.1 Αποτελέσματα 1ου μοντέλου

Β.1.α Αποτελέσματα 1^{ου} μοντέλου για υποτίμηση 15%

Οι επιδράσεις στο επίπεδο τιμών των εμπορευμάτων στην ελληνική οικονομία μετά από υποτίμησης του νομίσματος κατά 15% είναι οι εξής⁵¹:

P₁ : {1.00918, 1.00045, 1.00819, 1.01103, 1.01708, 0., 1.01095, 1.01292, 1.01239, 1.012, 1.02722, 1.02172, 1.02638, 1.0245, 1.03605, 1.02212, 1.10003, 1.0423, 1.03334, 1.01471, 1.04584, 1.03422, 1.03662, 1.02152, 1.03585, 1.022, 1.03632, 1.04478, 1.0355, 1.02068, 1.03966, 1.00721, 1.01079, 1.01726, 1.00681, 1.01047, 1.00635, 1.01171, 1.01952, 1.04201, 1.01731, 1.01636, 1.00431, 1.00249, 1.00663, 1.00419, 1.00136, 1.0078, 1.00927, 1.00799, 1.00781, 1.01367, 1.00046, 1.01992, 1.00871, 1.00696, 1.00814, 1.00564, 1.}

P₂ : {1.02061, 1.0036, 1.02093, 1.02417, 1.03216, 0., 1.02476, 1.02932, 1.02312, 1.02282, 1.04502, 1.03733, 1.0453, 1.04009, 1.05568, 1.03851, 1.12105, 1.0631, 1.05367, 1.02806, 1.07025, 1.05793, 1.05925, 1.03768, 1.05929, 1.0382, 1.05781, 1.06768, 1.05778, 1.03704, 1.06446, 1.01835, 1.02274, 1.03421, 1.01325, 1.02167, 1.01339, 1.02302, 1.04214, 1.06825, 1.03517, 1.03148, 1.00924, 1.00625, 1.01342, 1.00939, 1.00416, 1.0161, 1.01793, 1.01645, 1.01604, 1.02593, 1.00197, 1.03716, 1.01913, 1.01453, 1.01637, 1.01194, 1.}

P₃ : {1.03136, 1.00813, 1.03312, 1.0363, 1.04526, 0., 1.03759, 1.04314, 1.03307, 1.03273, 1.05745, 1.04908, 1.05849, 1.0507, 1.06747, 1.05049, 1.1264, 1.07483, 1.0667, 1.03972, 1.08403, 1.07322, 1.0735, 1.05001, 1.07431, 1.05044, 1.07119, 1.08044, 1.07204, 1.04964, 1.07914, 1.02937, 1.03391, 1.04806, 1.01952, 1.03232, 1.02055, 1.03323, 1.05847, 1.0838, 1.04918, 1.04402, 1.01436, 1.01086, 1.0203, 1.01512, 1.00812, 1.02397, 1.02594, 1.02491, 1.02392, 1.03675, 1.00432, 1.05102, 1.02925, 1.02188, 1.02438, 1.01864, 1.}

P₄ : {1.04102, 1.01346, 1.04393, 1.04692, 1.05622, 0., 1.04863, 1.05413, 1.04216, 1.04165, 1.06666, 1.05829, 1.06807, 1.05868, 1.07545, 1.05954, 1.12857, 1.0825, 1.07567, 1.04971, 1.0926, 1.08321, 1.08292, 1.05962, 1.0842, 1.05997, 1.08016, 1.08839, 1.0816, 1.05942, 1.08834, 1.03949, 1.04395, 1.05897, 1.02566, 1.04188, 1.02751, 1.04236, 1.06969, 1.09343, 1.05985, 1.05423, 1.01953, 1.01599, 1.02705, 1.02109, 1.01286, 1.03127, 1.03328, 1.03299, 1.03128, 1.04623, 1.00728, 1.06207, 1.03862, 1.02883, 1.03199, 1.02547, 1.}

P₅ : {1.04963, 1.01926, 1.05336, 1.05613, 1.06526, 0., 1.05789, 1.06292, 1.05035, 1.04961, 1.07387, 1.06576, 1.07541, 1.06518, 1.08147, 1.06667, 1.13002, 1.08817, 1.08235, 1.05823, 1.09854, 1.09012, 1.08955, 1.06732, 1.09109, 1.06761, 1.08667, 1.09396, 1.0884, 1.0672, 1.09466, 1.04862, 1.05289, 1.0676, 1.03164, 1.05026, 1.03414, 1.05049, 1.07767, 1.09987, 1.06815, 1.06264, 1.02471, 1.02142, 1.03355, 1.02711, 1.01807, 1.03801, 1.04002, 1.04052, 1.0381, 1.05451, 1.01068, 1.07096, 1.04717, 1.03536, 1.03913, 1.03223, 1.}

⁵¹ Ο δείκτης στη τιμή P μας δείχνει τον αριθμό της επανάληψης και οι τιμές μέσα στο άγκιστρο την τιμή που θα έχουν τα εμπορεύματα ανά κλάδο

P₆ : {1.05731, 1.02529, 1.06158, 1.06411, 1.07272, 0., 1.06564, 1.07011, 1.05769, 1.0567, 1.07979, 1.07201, 1.08132, 1.07077, 1.08638, 1.07257, 1.13125, 1.09275, 1.08768, 1.06554, 1.10306, 1.09525, 1.09456, 1.07366, 1.09624, 1.07392, 1.09174, 1.09826, 1.09359, 1.07358, 1.09942, 1.0568, 1.06082, 1.07457, 1.03744, 1.05757, 1.04039, 1.05776, 1.08369, 1.10456, 1.07482, 1.06966, 1.02984, 1.02698, 1.03974, 1.03306, 1.02351, 1.04426, 1.04621, 1.04745, 1.04443, 1.06176, 1.0144, 1.07823, 1.05494, 1.04148, 1.04576, 1.03879, 1.}

P₇ : {1.06417, 1.03137, 1.06876, 1.07107, 1.07895, 0., 1.07219, 1.07614, 1.06425, 1.06305, 1.08482, 1.07738, 1.08627, 1.07572, 1.0906, 1.07762, 1.13236, 1.09663, 1.09213, 1.07185, 1.10675, 1.09935, 1.09858, 1.07904, 1.10034, 1.07928, 1.09592, 1.10183, 1.09777, 1.07898, 1.10328, 1.06411, 1.06786, 1.08034, 1.04306, 1.06397, 1.04626, 1.06426, 1.08851, 1.10822, 1.08036, 1.07564, 1.0349, 1.03255, 1.0456, 1.03886, 1.02903, 1.05007, 1.05192, 1.0538, 1.05031, 1.06813, 1.01834, 1.08428, 1.06198, 1.04723, 1.05192, 1.0451, 1.}

P₈ : {1.07032, 1.0374, 1.07507, 1.07716, 1.08424, 0., 1.07779, 1.08131, 1.07015, 1.06876, 1.08922, 1.08208, 1.09054, 1.08019, 1.09434, 1.08208, 1.13338, 1.10004, 1.096, 1.07737, 1.10988, 1.1028, 1.10199, 1.08371, 1.10378, 1.08394, 1.09951, 1.10492, 1.10131, 1.08366, 1.10655, 1.07064, 1.07411, 1.08526, 1.04846, 1.06963, 1.05179, 1.07009, 1.09257, 1.11124, 1.0851, 1.08082, 1.03986, 1.03805, 1.05113, 1.04446, 1.03452, 1.0555, 1.05723, 1.05962, 1.05579, 1.07378, 1.02243, 1.08939, 1.06835, 1.05264, 1.05762, 1.05111, 1.}

P₉ : {1.07585, 1.04328, 1.08064, 1.08254, 1.08882, 0., 1.08266, 1.08584, 1.07546, 1.07393, 1.09314, 1.08628, 1.09431, 1.08427, 1.09771, 1.08609, 1.13432, 1.1031, 1.09944, 1.08224, 1.11263, 1.10582, 1.10497, 1.08785, 1.10678, 1.08806, 1.10268, 1.10767, 1.10441, 1.08781, 1.10941, 1.07648, 1.07969, 1.08954, 1.05365, 1.07468, 1.05698, 1.07535, 1.09611, 1.11384, 1.08924, 1.08539, 1.0447, 1.04342, 1.05635, 1.04982, 1.03991, 1.06059, 1.06218, 1.06495, 1.0609, 1.07882, 1.02663, 1.09378, 1.07413, 1.05774, 1.0629, 1.0568, 1.}

P₁₀ : {1.08084, 1.04897, 1.08558, 1.08732, 1.09286, 0., 1.08697, 1.08987, 1.08027, 1.07864, 1.09668, 1.09008, 1.09769, 1.08804, 1.10079, 1.08975, 1.13519, 1.10587, 1.10253, 1.0866, 1.11507, 1.10852, 1.10765, 1.09157, 1.10945, 1.09178, 1.10552, 1.11016, 1.10718, 1.09155, 1.11198, 1.08172, 1.08469, 1.09333, 1.05861, 1.07923, 1.06188, 1.08012, 1.09928, 1.11613, 1.09294, 1.08947, 1.0494, 1.04863, 1.06128, 1.05495, 1.04516, 1.06536, 1.06681, 1.06987, 1.06568, 1.08336, 1.03087, 1.09761, 1.07937, 1.06255, 1.06781, 1.06217, 1.}

P₁₁ : {1.08536, 1.05443, 1.09, 1.0916, 1.09646, 0., 1.09082, 1.09352, 1.08464, 1.08294, 1.0999, 1.09355, 1.10077, 1.09154, 1.10362, 1.09313, 1.13601, 1.10841, 1.10536, 1.09053, 1.11728, 1.11097, 1.11009, 1.09496, 1.11186, 1.09516, 1.10811, 1.11245, 1.10969, 1.09495, 1.1143, 1.08643, 1.08918, 1.09675, 1.06334, 1.08338, 1.0665, 1.08446, 1.10216, 1.11818, 1.09629, 1.09316, 1.05397, 1.05365, 1.06593, 1.05983, 1.05024, 1.06985, 1.07116, 1.07441, 1.07017, 1.08746, 1.03514, 1.10101, 1.08413, 1.0671, 1.07238, 1.06723, 1.}

P₁₂ : {1.08947, 1.05965, 1.09397, 1.09545, 1.09972, 0., 1.09431, 1.09684, 1.08864, 1.0869, 1.10285, 1.09675, 1.10359, 1.09479, 1.10624, 1.09626, 1.13677, 1.11076, 1.10795, 1.09411, 1.11929, 1.11323, 1.11234, 1.09807, 1.11408, 1.09827, 1.11049, 1.11455, 1.112, 1.09808, 1.11642, 1.09069, 1.09324, 1.09987, 1.06784, 1.08718, 1.07086, 1.08843, 1.10483, 1.12005, 1.09936, 1.09652, 1.05838, 1.05847, 1.07032, 1.06447, 1.05513, 1.07408, 1.07525, 1.07863, 1.07439, 1.0912, 1.0394, 1.10405, 1.08848, 1.07141, 1.07665, 1.07198, 1.}

P₁₃ : {1.09322, 1.0646, 1.09755, 1.09894, 1.10269, 0., 1.0975, 1.09989, 1.09231, 1.09055, 1.10557, 1.09971, 1.1062, 1.09783, 1.10868, 1.09919, 1.13748, 1.11294, 1.11035, 1.09738, 1.12113, 1.11531, 1.11442, 1.10095, 1.11612, 1.10114, 1.11269, 1.11651, 1.11414, 1.10099, 1.11837, 1.09454, 1.09691, 1.10273, 1.07212, 1.09069, 1.07498, 1.09207, 1.1073, 1.12176, 1.10219, 1.09961, 1.06263, 1.06309, 1.07447, 1.06888, 1.05983, 1.07807, 1.07911, 1.08255, 1.07837, 1.09463, 1.04362, 1.1068, 1.09245, 1.07548, 1.08064, 1.07644, 1.}

P₁₄ : {1.09666, 1.0693, 1.10081, 1.10212, 1.10543, 0., 1.10045, 1.10272, 1.09569, 1.09394, 1.10809, 1.10247, 1.10862, 1.10068, 1.11095, 1.10192, 1.13815, 1.11497, 1.11257, 1.1004, 1.12282, 1.11725, 1.11636, 1.10363, 1.11801, 1.10382, 1.11474, 1.11833, 1.11612, 1.10368, 1.12018, 1.09805, 1.10027, 1.10538, 1.07618, 1.09395, 1.07888, 1.09544, 1.10961, 1.12335, 1.10481, 1.10246, 1.06673, 1.0675, 1.07839, 1.07306, 1.06434, 1.08184, 1.08276, 1.08622, 1.08212, 1.0978, 1.04779, 1.10931, 1.09609, 1.07934, 1.08438, 1.08063, 1.}

P₁₅ : {1.09983, 1.07375, 1.10379, 1.10503, 1.10796, 0., 1.10318, 1.10534, 1.09882, 1.09708, 1.11044, 1.10505, 1.11088, 1.10335, 1.11307, 1.10449, 1.13878, 1.11686, 1.11464, 1.1032, 1.12438, 1.11905, 1.11818, 1.10614, 1.11978, 1.10631, 1.11666, 1.12004, 1.11797, 1.10621, 1.12185, 1.10126, 1.10333, 1.10784, 1.08003, 1.097, 1.08256, 1.09855, 1.11177, 1.12482, 1.10726, 1.10511, 1.07067, 1.0717, 1.0821, 1.07702, 1.06864, 1.0854, 1.08621, 1.08965, 1.08565, 1.10073, 1.05189, 1.11162, 1.09943, 1.08299, 1.08789, 1.08455, 1.}

P₁₆ : {1.10275, 1.07794, 1.10652, 1.1077, 1.11031, 0., 1.10573, 1.10779, 1.10172, 1.10001, 1.11262, 1.10746, 1.11299, 1.10586, 1.11506, 1.10691, 1.13937, 1.11864, 1.11658, 1.10581, 1.12583, 1.12074, 1.11989, 1.10848, 1.12142, 1.10865, 1.11845, 1.12164, 1.1197, 1.10857, 1.12341, 1.1042, 1.10614, 1.11013, 1.08368, 1.09984, 1.08605, 1.10144, 1.1138, 1.1262, 1.10956, 1.10758, 1.07445, 1.07569, 1.08562, 1.08078, 1.07275, 1.08877, 1.08947, 1.09287, 1.089, 1.10345, 1.0559, 1.11376, 1.1025, 1.08645, 1.09118, 1.08823, 1.}

P₁₇ : {1.10546, 1.0819, 1.10904, 1.11017, 1.1125, 0., 1.10811, 1.11009, 1.10442, 1.10275, 1.11467, 1.10973, 1.11498, 1.10822, 1.11693, 1.10918, 1.13993, 1.12031, 1.11839, 1.10823, 1.12718, 1.12232, 1.12149, 1.11069, 1.12297, 1.11085, 1.12013, 1.12315, 1.12133, 1.11079, 1.12487, 1.10691, 1.10873, 1.11228, 1.08714, 1.10251, 1.08936, 1.10414, 1.11571, 1.12748, 1.11171, 1.10988, 1.07808, 1.07949, 1.08894, 1.08434, 1.07667, 1.09195, 1.09257, 1.09589, 1.09216, 1.106, 1.05982, 1.11575, 1.10534, 1.08974, 1.09429, 1.09168, 1.}

P₁₈ : {1.10797, 1.08563, 1.11137, 1.11245, 1.11455, 0., 1.11035, 1.11223, 1.10694, 1.10532, 1.11658, 1.11186, 1.11684, 1.11045, 1.11869, 1.11132, 1.14045, 1.12189, 1.12009, 1.1105, 1.12844, 1.12381, 1.123, 1.11276, 1.12442, 1.11292, 1.12172, 1.12457, 1.12285, 1.11287, 1.12624, 1.10941, 1.11113, 1.1143, 1.09041, 1.10502, 1.09249, 1.10665, 1.11752, 1.12869, 1.11374, 1.11205, 1.08155, 1.0831, 1.09209, 1.08771, 1.0804, 1.09496, 1.0955, 1.09874, 1.09515, 1.10837, 1.06364, 1.1176, 1.10797, 1.09284, 1.09722, 1.09491, 1.}

P₁₉ : {1.11032, 1.08915, 1.11353, 1.11457, 1.11646, 0., 1.11246, 1.11425, 1.10929, 1.10773, 1.11838, 1.11388, 1.11859, 1.11254, 1.12035, 1.11335, 1.14095, 1.12337, 1.12168, 1.11263, 1.12962, 1.1252, 1.12442, 1.11472, 1.12578, 1.11487, 1.12321, 1.1259, 1.12429, 1.11484, 1.12752, 1.11173, 1.11335, 1.1162, 1.09351, 1.10739, 1.09546, 1.10901, 1.11922, 1.12982, 1.11565, 1.11408, 1.08487, 1.08653, 1.09507, 1.09091, 1.08395, 1.09781, 1.09828, 1.10143, 1.09798, 1.11061, 1.06734, 1.11934, 1.11041, 1.09579, 1.09998, 1.09795, 1.}

P₂₀ : {1.11251, 1.09246, 1.11555, 1.11655, 1.11827, 0., 1.11444, 1.11615, 1.1115, 1.10999, 1.12006, 1.11577, 1.12025, 1.11452, 1.12191, 1.11526, 1.14142, 1.12477, 1.12319, 1.11463, 1.13072, 1.12651, 1.12576, 1.11657, 1.12706, 1.11671, 1.12462, 1.12716, 1.12564, 1.11669, 1.12872, 1.11389, 1.11542, 1.11799, 1.09645, 1.10962, 1.09827, 1.11122, 1.12083, 1.13089, 1.11745, 1.11598, 1.08805, 1.08979, 1.09789, 1.09394, 1.08732, 1.10051, 1.10091, 1.10396, 1.10066, 1.1127, 1.07094, 1.12097, 1.11267, 1.09859, 1.10259, 1.1008, 1.}

P₂₁ : {1.11455, 1.09558, 1.11744, 1.11839, 1.11996, 0., 1.1163, 1.11794, 1.11357, 1.11211, 1.12165, 1.11756, 1.12181, 1.11639, 1.12338, 1.11706, 1.14187, 1.12609, 1.1246, 1.11651, 1.13176, 1.12775, 1.12703, 1.11831, 1.12827, 1.11844, 1.12594, 1.12836, 1.12691, 1.11844, 1.12985, 1.1159, 1.11734, 1.11967, 1.09923, 1.11173, 1.10094, 1.11329, 1.12235, 1.1319, 1.11915, 1.11778, 1.09108, 1.09288, 1.10057, 1.09682, 1.09053, 1.10307, 1.10342, 1.10636, 1.1032, 1.11467, 1.07442, 1.12251, 1.11478, 1.10123, 1.10506, 1.10348, 1.}

P₂₂ : {1.11647, 1.09852, 1.1192, 1.12012, 1.12155, 0., 1.11807, 1.11963, 1.11551, 1.11412, 1.12315, 1.11926, 1.12328, 1.11816, 1.12477, 1.11877, 1.14229, 1.12733, 1.12594, 1.11829, 1.13273, 1.12892, 1.12822, 1.11996, 1.12941, 1.12008, 1.1272, 1.12948, 1.12812, 1.12009, 1.13092, 1.11778, 1.11914, 1.12126, 1.10186, 1.11372, 1.10346, 1.11524, 1.12378, 1.13285, 1.12075, 1.11948, 1.09398, 1.09581, 1.10311, 1.09954, 1.09358, 1.10549, 1.10579, 1.10862, 1.1056, 1.11653, 1.07778, 1.12395, 1.11675, 1.10375, 1.10739, 1.10601, 1.}

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P₈₂ : {1.4953, 1.49286, 1.49568, 1.49583, 1.49599, 0., 1.49548, 1.49571, 1.49515, 1.49493, 1.49621, 1.49564, 1.49622, 1.4955, 1.49643, 1.49556, 1.4989, 1.49678, 1.4966, 1.49552, 1.49757, 1.49702, 1.49691, 1.49573, 1.49708, 1.49575, 1.49676, 1.49708, 1.49679, 1.49577, 1.4973, 1.49551, 1.49571, 1.49593, 1.49318, 1.49483, 1.49338, 1.4951, 1.49628, 1.49756, 1.49584, 1.49568, 1.49181, 1.49225, 1.4933, 1.49278, 1.49201, 1.49367, 1.49365, 1.4941, 1.49366, 1.49526, 1.4884, 1.4963, 1.49543, 1.49342, 1.49394, 1.49389, 0.}

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P₁₅₄ : {1.4999, 1.49984, 1.4999, 1.49991, 1.49991, 0., 1.4999, 1.49991, 1.49989, 1.49989, 1.49992, 1.49991, 1.49992, 1.4999, 1.49992, 1.4999, 1.49998, 1.49993, 1.49993, 1.4999, 1.49995, 1.49994, 1.49993, 1.49991, 1.49994, 1.49991, 1.49993, 1.49994, 1.49981, 1.49991, 1.49994, 1.4999, 1.49991, 1.49991, 1.49985, 1.49989, 1.49986, 1.49989, 1.49992, 1.49994, 1.49991, 1.49991, 1.49982, 1.49983, 1.49985, 1.49984, 1.49983, 1.49986, 1.49986, 1.49987, 1.49986, 1.4999, 1.49975, 1.49992, 1.4999, 1.49986, 1.49987, 1.49987, 0.}

P₁₅₅ : {1.4999, 1.49985, 1.49991, 1.49991, 1.49992, 0., 1.49991, 1.49991, 1.4999, 1.4999, 1.49992, 1.49991, 1.49993, 1.49991, 1.49993, 1.49991, 1.49998, 1.49993, 1.49993, 1.49991, 1.49995, 1.49994, 1.49994, 1.49991, 1.49994, 1.49991, 1.49993, 1.49994, 1.49981, 1.49991, 1.49994, 1.49991, 1.49991, 1.49992, 1.49986, 1.49989, 1.49986, 1.4999, 1.49992, 1.49995, 1.49991, 1.49991, 1.49983, 1.49984, 1.49986, 1.49985, 1.49984, 1.49987, 1.49987, 1.49988, 1.49987, 1.4999, 1.49976, 1.49992, 1.49991, 1.49986, 1.49987, 1.49987, 0.}

P₁₅₆ : {1.49991, 1.49986, 1.49991, 1.49992, 1.49992, 0., 1.49991, 1.49992, 1.49991, 1.4999, 1.49993, 1.49991, 1.49993, 1.49991, 1.49993, 1.49991, 1.49998, 1.49994, 1.49993, 1.49991, 1.49995, 1.49994, 1.49994, 1.49992, 1.49994, 1.49992, 1.49994, 1.49994, 1.49982, 1.49992, 1.49995, 1.49991, 1.49992, 1.49992, 1.49987, 1.4999, 1.49987, 1.4999, 1.49993, 1.49995, 1.49992, 1.49992, 1.49984, 1.49985, 1.49987, 1.49986, 1.49984, 1.49988, 1.49988, 1.49988, 1.49988, 1.49991, 1.49977, 1.49993, 1.49991, 1.49987, 1.49988, 1.49988, 0.}

P₁₅₇ : {1.49991, 1.49987, 1.49992, 1.49992, 1.49992, 0., 1.49992, 1.49992, 1.49991, 1.49991, 1.49993, 1.49992, 1.49993, 1.49992, 1.49993, 1.49992, 1.49998, 1.49994, 1.49994, 1.49992, 1.49995, 1.49994, 1.49994, 1.49995, 1.49992, 1.49994, 1.49995, 1.49982, 1.49992, 1.49995, 1.49992, 1.49992, 1.49992, 1.49987, 1.4999, 1.49988, 1.49991, 1.49993, 1.49995, 1.49992, 1.49992, 1.49985, 1.49986, 1.49988, 1.49987, 1.49985, 1.49988, 1.49988, 1.49989, 1.49988, 1.49988, 1.49991, 1.49978, 1.49993, 1.49992, 1.49988, 1.49989, 1.49989, 0.}

P₁₅₈ : {1.49992, 1.49987, 1.49992, 1.49993, 1.49993, 0., 1.49992, 1.49992, 1.49991, 1.49991, 1.49993, 1.49992, 1.49994, 1.49992, 1.49994, 1.49992, 1.49998, 1.49994, 1.49994, 1.49992, 1.49996, 1.49995, 1.49995, 1.49992, 1.49995, 1.49992, 1.49994, 1.49995, 1.49982, 1.49993, 1.49995, 1.49992, 1.49992, 1.49993, 1.49988, 1.49991, 1.49988, 1.49991, 1.49993, 1.49995, 1.49992, 1.49992, 1.49986, 1.49986, 1.49988, 1.49987, 1.49986, 1.49989, 1.49989, 1.4999, 1.49989, 1.49992, 1.49979, 1.49993, 1.49992, 1.49988, 1.49989, 1.49989, 0.}

P₁₅₉ : {1.49992, 1.49988, 1.49993, 1.49993, 1.49993, 0., 1.49992, 1.49993, 1.49992, 1.49992, 1.49994, 1.49993, 1.49994, 1.49992, 1.49994, 1.49993, 1.49998, 1.49995, 1.49994, 1.49993, 1.49996, 1.49995, 1.49995, 1.49993, 1.49995, 1.49993, 1.49995, 1.49995, 1.49982, 1.49993, 1.49995, 1.49992, 1.49993, 1.49993, 1.49989, 1.49991, 1.49989, 1.49992, 1.49994, 1.49996, 1.49993, 1.49993, 1.49986, 1.49987, 1.49989, 1.49988, 1.49987, 1.49989, 1.49989, 1.4999, 1.49989, 1.49992, 1.4998, 1.49994, 1.49992, 1.49989, 1.4999, 1.4999, 0.}

P₁₆₀ : {1.49993, 1.49989, 1.49993, 1.49993, 1.49994, 0., 1.49993, 1.49993, 1.49992, 1.49992, 1.49994, 1.49993, 1.49994, 1.49993, 1.49998, 1.49995, 1.49995, 1.49993, 1.49996, 1.49995, 1.49995, 1.49993, 1.49995, 1.49993, 1.49995, 1.49995, 1.49983, 1.49993,

1.49996, 1.49993, 1.49993, 1.49994, 1.49989, 1.49992, 1.49989, 1.49992, 1.49994, 1.49996, 1.49993, 1.49993, 1.49987, 1.49988, 1.49989, 1.49989, 1.49987, 1.4999, 1.4999, 1.49991, 1.4999, 1.49992, 1.49981, 1.49994, 1.49993, 1.4999, 1.4999, 1.4999, 0.}

P₁₆₁ : { 1.49993, 1.49989, 1.49993, 1.49994, 1.49994, 0., 1.49993, 1.49993, 1.49993, 1.49992, 1.49994, 1.49993, 1.49995, 1.49993, 1.49995, 1.49993, 1.49998, 1.49995, 1.49995, 1.49993, 1.49996, 1.49996, 1.49995, 1.49994, 1.49996, 1.49994, 1.49995, 1.49996, 1.49983, 1.49994, 1.49996, 1.49993, 1.49994, 1.49994, 1.4999, 1.49992, 1.4999, 1.49993, 1.49994, 1.49996, 1.49994, 1.49993, 1.49988, 1.49988, 1.4999, 1.49989, 1.49988, 1.4999, 1.4999, 1.49991, 1.4999, 1.49993, 1.49982, 1.49994, 1.49993, 1.4999, 1.49991, 1.49991, 0.}

P₁₆₂ : { 1.49993, 1.4999, 1.49994, 1.49994, 1.49994, 0., 1.49994, 1.49994, 1.49993, 1.49993, 1.49995, 1.49994, 1.49995, 1.49994, 1.49995, 1.49994, 1.49998, 1.49995, 1.49995, 1.49994, 1.49997, 1.49996, 1.49996, 1.49994, 1.49996, 1.49994, 1.49995, 1.49996, 1.49983, 1.49994, 1.49996, 1.49994, 1.49994, 1.49994, 1.4999, 1.49993, 1.49991, 1.49993, 1.49995, 1.49996, 1.49994, 1.49994, 1.49988, 1.49989, 1.4999, 1.4999, 1.49989, 1.49991, 1.49991, 1.49992, 1.49992, 1.49991, 1.49993, 1.49983, 1.49995, 1.49993, 1.49991, 1.49991, 1.49991, 0.}

P₁₆₃ : { 1.49994, 1.4999, 1.49994, 1.49994, 1.49994, 0., 1.49994, 1.49994, 1.49993, 1.49993, 1.49995, 1.49994, 1.49995, 1.49994, 1.49995, 1.49994, 1.49999, 1.49996, 1.49995, 1.49994, 1.49997, 1.49996, 1.49996, 1.49994, 1.49996, 1.49994, 1.49996, 1.49983, 1.49994, 1.49996, 1.49994, 1.49994, 1.49994, 1.49991, 1.49993, 1.49991, 1.49993, 1.49995, 1.49996, 1.49994, 1.49994, 1.49989, 1.49989, 1.49991, 1.4999, 1.49989, 1.49991, 1.49991, 1.49992, 1.49992, 1.49991, 1.49994, 1.49984, 1.49995, 1.49994, 1.49991, 1.49992, 1.49992, 0.}

P₁₆₄ : { 1.49994, 1.49991, 1.49994, 1.49995, 1.49995, 0., 1.49994, 1.49994, 1.49994, 1.49993, 1.49995, 1.49994, 1.49996, 1.49994, 1.49995, 1.49994, 1.49999, 1.49996, 1.49996, 1.49994, 1.49997, 1.49996, 1.49996, 1.49994, 1.49996, 1.49994, 1.49996, 1.49984, 1.49995, 1.49997, 1.49994, 1.49994, 1.49995, 1.49991, 1.49993, 1.49991, 1.49994, 1.49995, 1.49997, 1.49994, 1.49994, 1.49989, 1.4999, 1.49991, 1.49991, 1.4999, 1.49992, 1.49992, 1.49992, 1.49992, 1.49992, 1.49994, 1.49985, 1.49995, 1.49994, 1.49992, 1.49992, 1.49992, 0.}

P₁₆₅ : { 1.49994, 1.49991, 1.49994, 1.49995, 1.49995, 0., 1.49994, 1.49995, 1.49994, 1.49994, 1.49995, 1.49995, 1.49996, 1.49995, 1.49996, 1.49995, 1.49999, 1.49996, 1.49996, 1.49995, 1.49997, 1.49996, 1.49996, 1.49995, 1.49996, 1.49995, 1.49996, 1.49996, 1.49984, 1.49995, 1.49997, 1.49995, 1.49995, 1.49995, 1.49992, 1.49994, 1.49992, 1.49994, 1.49995, 1.49997, 1.49995, 1.49995, 1.4999, 1.49991, 1.49992, 1.49991, 1.4999, 1.49992, 1.49992, 1.49992, 1.49993, 1.49992, 1.49994, 1.49986, 1.49995, 1.49994, 1.49992, 1.49993, 1.49993, 0.}

P₁₆₆ : { 1.49995, 1.49992, 1.49995, 1.49995, 1.49995, 0., 1.49995, 1.49995, 1.49994, 1.49994, 1.49996, 1.49995, 1.49996, 1.49995, 1.49996, 1.49995, 1.49999, 1.49996, 1.49996, 1.49995, 1.49997, 1.49997, 1.49996, 1.49995, 1.49997, 1.49995, 1.49996, 1.49997, 1.49984, 1.49995, 1.49997, 1.49995, 1.49995, 1.49995, 1.49992, 1.49994, 1.49992, 1.49994, 1.49996, 1.49997, 1.49995, 1.49995, 1.4999, 1.49991, 1.49992, 1.49992, 1.49991, 1.49993, 1.49993, 1.49993, 1.49993, 1.49994, 1.49986, 1.49996, 1.49995, 1.49992, 1.49993, 1.49993, 0.}

P₁₆₇ : { 1.49995, 1.49992, 1.49995, 1.49995, 1.49995, 0., 1.49995, 1.49995, 1.49995, 1.49994, 1.49996, 1.49995, 1.49996, 1.49995, 1.49996, 1.49995, 1.49999, 1.49996, 1.49996, 1.49995, 0.}

Οι επιδράσεις στο επίπεδο τιμών των εμπορευμάτων της ελληνικής οικονομίας μετά από την υποτίμηση του νομίσματος κατά 15% είναι οι εξής⁵³ ανά επανάληψη:

P₁ : {1.02163, 1.00088, 1.02104, 1.02384, 1.03327, 0., 1.02108, 1.02291, 1.01856, 1.01928, 1.03776, 1.03756, 1.03872, 1.02967, 1.04711, 1.03722, 1.11004, 1.05678, 1.04977, 1.02238, 1.0514, 1.04604, 1.05733, 1.03725, 1.04951, 1.04009, 1.05853, 1.06444, 1.05478, 1.03737, 1.04798, 1.01433, 1.02494, 1.02759, 1.02006, 1.02692, 1.01822, 1.02414, 1.0306, 1.06755, 1.03574, 1.03331, 1.01411, 1.00867, 1.01032, 1.01051, 1.00224, 1.01579, 1.01598, 1.0118, 1.01409, 1.02925, 1.00316, 1.04993, 1.03477, 1.00945, 1.01565, 1.02231, 0.}

P₂ : {1.04627, 1.01097, 1.0515, 1.04818, 1.05571, 0., 1.04582, 1.05016, 1.03834, 1.03812, 1.0596, 1.05746, 1.06247, 1.04969, 1.06889, 1.05751, 1.12584, 1.07778, 1.07172, 1.04292, 1.07792, 1.07213, 1.07919, 1.05848, 1.07506, 1.06059, 1.07945, 1.08494, 1.07692, 1.05819, 1.0755, 1.0378, 1.04863, 1.0528, 1.03141, 1.04857, 1.03425, 1.04351, 1.06358, 1.09267, 1.06329, 1.05644, 1.02897, 1.0233, 1.02354, 1.0239, 1.00837, 1.03164, 1.03125, 1.0262, 1.02954, 1.05063, 1.01889, 1.07403, 1.0617, 1.02251, 1.03094, 1.04052, 0.}

P₃ : {1.06468, 1.0245, 1.07201, 1.06647, 1.07314, 0., 1.0647, 1.06826, 1.057, 1.05535, 1.07508, 1.07132, 1.07766, 1.06438, 1.08221, 1.07111, 1.13023, 1.09, 1.08517, 1.06072, 1.09367, 1.08765, 1.09142, 1.07305, 1.09003, 1.07452, 1.09121, 1.09598, 1.0899, 1.07249, 1.09134, 1.05759, 1.06661, 1.06999, 1.04317, 1.06535, 1.04829, 1.0597, 1.08096, 1.10404, 1.07796, 1.07219, 1.04277, 1.03846, 1.03732, 1.0376, 1.01729, 1.04513, 1.04509, 1.04076, 1.04367, 1.06659, 1.03644, 1.08722, 1.07748, 1.03547, 1.04514, 1.05601, 0.}

P₄ : {1.07856, 1.03869, 1.08584, 1.08025, 1.08557, 0., 1.07807, 1.0808, 1.07182, 1.06928, 1.08674, 1.08217, 1.08862, 1.07605, 1.09197, 1.08162, 1.13294, 1.0989, 1.09499, 1.07473, 1.10414, 1.0981, 1.10005, 1.08408, 1.10015, 1.08516, 1.09982, 1.1039, 1.09912, 1.08343, 1.10179, 1.07307, 1.08019, 1.08256, 1.05446, 1.07771, 1.06016, 1.07325, 1.09154, 1.1112, 1.08793, 1.0836, 1.05526, 1.05206, 1.05017, 1.0504, 1.0274, 1.05694, 1.05733, 1.05409, 1.05616, 1.07881, 1.05197, 1.09643, 1.08828, 1.04744, 1.05775, 1.06884, 0.}

P₅ : {1.08924, 1.05213, 1.09574, 1.0909, 1.09483, 0., 1.08799, 1.09029, 1.08335, 1.08041, 1.0958, 1.09093, 1.09706, 1.08562, 1.09967, 1.0902, 1.13508, 1.10582, 1.10263, 1.0856, 1.11166, 1.10578, 1.10675, 1.09281, 1.10757, 1.09366, 1.10658, 1.11008, 1.10622, 1.09215, 1.10933, 1.08515, 1.09068, 1.09217, 1.06474, 1.08734, 1.07034, 1.08416, 1.09926, 1.11656, 1.09584, 1.09253, 1.06636, 1.06388, 1.06172, 1.06191, 1.03779, 1.06735, 1.06806, 1.06584, 1.0671, 1.08848, 1.06505, 1.10359, 1.09653, 1.05829, 1.06875, 1.07951, 0.}

P₆ : {1.09768, 1.06425, 1.10328, 1.09932, 1.10214, 0., 1.09582, 1.09791, 1.09249, 1.08946, 1.10304, 1.09819, 1.10387, 1.09364, 1.10597, 1.09741, 1.13687, 1.11144, 1.10879, 1.09424, 1.11735, 1.11179, 1.11221, 1.09998, 1.11336, 1.10065, 1.11208, 1.11512, 1.11194, 1.09934, 1.11512, 1.09467, 1.09898, 1.09979, 1.07396, 1.09521, 1.07921, 1.09296, 1.10549, 1.12086, 1.10244, 1.09982, 1.07614, 1.07411, 1.07192, 1.07207, 1.04795, 1.07653, 1.07746, 1.07605, 1.07666, 1.09636, 1.07604, 1.10942, 1.10322, 1.06805, 1.07829, 1.08842, 0.}

⁵³ Ο δείκτης στη τιμή P μας δείχνει τον αριθμό της επανάληψης και οι τιμές μέσα στο άγκιστρο την τιμή που θα έχουν τα εμπορεύματα ανά κλάδο

P₇ : {1.10451, 1.07491, 1.1093, 1.10613, 1.10815, 0., 1.10231, 1.10425, 1.09993, 1.09698, 1.10899, 1.10433, 1.10951, 1.10047, 1.11127, 1.10358, 1.1384, 1.11613, 1.11389, 1.10131, 1.12184, 1.11667, 1.11678, 1.10601, 1.11804, 1.10657, 1.11668, 1.11934, 1.11669, 1.10541, 1.11975, 1.10233, 1.10572, 1.10605, 1.08217, 1.10184, 1.08702, 1.1002, 1.11076, 1.12445, 1.10806, 1.10593, 1.08472, 1.08298, 1.08086, 1.08098, 1.0576, 1.08465, 1.08569, 1.08488, 1.08502, 1.10295, 1.08535, 1.11431, 1.10883, 1.0768, 1.08657, 1.09591, 0.}

P₈ : {1.11018, 1.08419, 1.11429, 1.11174, 1.11321, 0., 1.10784, 1.10965, 1.10613, 1.10334, 1.11398, 1.10961, 1.11431, 1.10633, 1.11581, 1.10891, 1.13973, 1.12013, 1.11821, 1.10724, 1.12549, 1.12074, 1.12068, 1.11117, 1.12195, 1.11164, 1.1206, 1.12294, 1.12071, 1.11061, 1.12356, 1.10859, 1.11129, 1.11133, 1.08949, 1.10752, 1.09393, 1.10627, 1.11529, 1.12749, 1.11291, 1.11115, 1.09223, 1.0907, 1.0887, 1.08879, 1.0666, 1.09182, 1.09293, 1.09253, 1.09235, 1.10854, 1.09329, 1.11849, 1.11362, 1.08462, 1.0938, 1.10229, 0.}

P₉ : {1.11497, 1.09222, 1.11852, 1.11645, 1.11754, 0., 1.11263, 1.1143, 1.11137, 1.10879, 1.11823, 1.1142, 1.11843, 1.11141, 1.11973, 1.11356, 1.14089, 1.12358, 1.12191, 1.11229, 1.12853, 1.12421, 1.12405, 1.11563, 1.12528, 1.11603, 1.12398, 1.12606, 1.12415, 1.11512, 1.12677, 1.1138, 1.11599, 1.11584, 1.09601, 1.11243, 1.10005, 1.11144, 1.11923, 1.13011, 1.11712, 1.11564, 1.09882, 1.09745, 1.09558, 1.09565, 1.0749, 1.09818, 1.09929, 1.09917, 1.09879, 1.11336, 1.1001, 1.12211, 1.11776, 1.09161, 1.10012, 1.10779, 0.}

P₁₀ : {1.11908, 1.09918, 1.12216, 1.12045, 1.12128, 0., 1.11682, 1.11835, 1.11588, 1.11351, 1.1219, 1.11821, 1.12201, 1.11584, 1.12314, 1.11763, 1.1419, 1.12659, 1.12512, 1.11664, 1.13111, 1.12719, 1.12699, 1.11952, 1.12814, 1.11987, 1.12693, 1.12877, 1.12712, 1.11906, 1.12951, 1.11819, 1.12, 1.11975, 1.10182, 1.11671, 1.10548, 1.1159, 1.12268, 1.13239, 1.12081, 1.11955, 1.10461, 1.10336, 1.10164, 1.10169, 1.0825, 1.10382, 1.10491, 1.10497, 1.10447, 1.11753, 1.10599, 1.12526, 1.12138, 1.09785, 1.10568, 1.11257, 0.}

P₁₁ : {1.12263, 1.1052, 1.12532, 1.12389, 1.12454, 0., 1.12049, 1.12189, 1.11978, 1.11762, 1.12509, 1.12174, 1.12515, 1.11971, 1.12614, 1.12122, 1.1428, 1.12921, 1.12793, 1.12043, 1.13332, 1.12978, 1.12956, 1.12294, 1.13063, 1.12323, 1.12952, 1.13115, 1.12971, 1.12252, 1.13187, 1.12195, 1.12346, 1.12316, 1.10699, 1.12045, 1.1103, 1.11978, 1.12571, 1.13437, 1.12405, 1.12296, 1.10969, 1.10856, 1.10698, 1.10702, 1.08941, 1.10883, 1.10987, 1.11005, 1.10948, 1.12119, 1.1111, 1.12802, 1.12455, 1.10343, 1.11058, 1.11675, 0.}

P₁₂ : {1.12572, 1.11044, 1.12809, 1.12687, 1.12739, 0., 1.12374, 1.12501, 1.12319, 1.12123, 1.12788, 1.12485, 1.1279, 1.12311, 1.12878, 1.12438, 1.14359, 1.13152, 1.13038, 1.12374, 1.13523, 1.13205, 1.13182, 1.12594, 1.1328, 1.1262, 1.13179, 1.13324, 1.13198, 1.12556, 1.13393, 1.12519, 1.12647, 1.12615, 1.1116, 1.12374, 1.1146, 1.12317, 1.12839, 1.13611, 1.12691, 1.12596, 1.11417, 1.11314, 1.1117, 1.11174, 1.09568, 1.11328, 1.11426, 1.11451, 1.11392, 1.12439, 1.11556, 1.13045, 1.12735, 1.10841, 1.1149, 1.12043, 0.}

P₁₃ : {1.12844, 1.115, 1.13052, 1.12948, 1.1299, 0., 1.12661, 1.12775, 1.12618, 1.12441, 1.13033, 1.1276, 1.13034, 1.1261, 1.13111, 1.12719, 1.14429, 1.13356, 1.13255, 1.12666, 1.1369, 1.13404, 1.13382, 1.12858, 1.13471, 1.12881, 1.13379, 1.13508, 1.13398, 1.12825, 1.13573, 1.12801, 1.12911, 1.12878, 1.11572, 1.12664, 1.11841, 1.12615, 1.13076, 1.13765, 1.12944, 1.12861, 1.11813, 1.11719, 1.11588, 1.11591, 1.10133, 1.11724, 1.11816, 1.11844, 1.11785, 1.12722, 1.11946, 1.1326, 1.12983, 1.11286, 1.11874, 1.12367, 0.}

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P₆₂ : {1.14992, 1.14987, 1.14992, 1.14992, 1.14992, 0., 1.14991, 1.14991, 1.14991, 1.1499, 1.14992, 1.14991, 1.14992, 1.14991, 1.14993, 1.14991, 1.14998, 1.14994, 1.14993, 1.14991, 1.14995, 1.14994, 1.14994, 1.14992, 1.14994, 1.14992, 1.14994, 1.14994, 1.14994, 1.14992, 1.14995, 1.14992, 1.14992, 1.14992, 1.14987, 1.14991, 1.14988, 1.14991, 1.14993, 1.14995, 1.14992, 1.14992, 1.14988, 1.14987, 1.14987, 1.14987, 1.14981, 1.14987, 1.14988, 1.14988, 1.14988, 1.14991, 1.14988, 1.14993, 1.14992, 1.14985, 1.14988, 1.1499, 0.}

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P₆₄ : {1.14993, 1.1499, 1.14994, 1.14994, 1.14994, 0., 1.14993, 1.14993, 1.14993, 1.14992, 1.14994, 1.14993, 1.14994, 1.14993, 1.14994, 1.14993, 1.14998, 1.14995, 1.14995, 1.14993, 1.14996, 1.14995, 1.14995, 1.14993, 1.14995, 1.14993, 1.14995, 1.14995, 1.14995, 1.14993, 1.14996, 1.14993, 1.14994, 1.14993, 1.14989, 1.14993, 1.1499, 1.14993, 1.14994, 1.14996, 1.14994, 1.14993, 1.1499, 1.1499, 1.14989, 1.14989, 1.14985, 1.1499, 1.1499, 1.1499, 1.1499, 1.14993, 1.14991, 1.14995, 1.14994, 1.14988, 1.1499, 1.14992, 0.}

P₆₅ : {1.14994, 1.14991, 1.14995, 1.14994, 1.14994, 0., 1.14994, 1.14994, 1.14993, 1.14993, 1.14995, 1.14994, 1.14995, 1.14993, 1.14995, 1.14994, 1.14998, 1.14995, 1.14995, 1.14994, 1.14996, 1.14996, 1.14996, 1.14994, 1.14996, 1.14994, 1.14996, 1.14996, 1.14996, 1.14994, 1.14996, 1.14994, 1.14994, 1.1499, 1.14994, 1.14991, 1.14993, 1.14995, 1.14997, 1.14994, 1.14994, 1.14991, 1.14991, 1.14991, 1.14991, 1.14986, 1.14991, 1.14991, 1.14991, 1.14991, 1.14994, 1.14992, 1.14995, 1.14994, 1.1499, 1.14991, 1.14993, 0.}

P₆₆ : {1.14995, 1.14992, 1.14995, 1.14995, 1.14995, 0., 1.14994, 1.14995, 1.14994, 1.14994, 1.14995, 1.14994, 1.14995, 1.14994, 1.14995, 1.14994, 1.14999, 1.14996, 1.14996, 1.14994, 1.14997, 1.14996, 1.14996, 1.14995, 1.14996, 1.14995, 1.14996, 1.14996, 1.14996, 1.14995, 1.14997, 1.14995, 1.14995, 1.14995, 1.14991, 1.14994, 1.14992, 1.14994, 1.14995, 1.14997, 1.14995, 1.14995, 1.14992, 1.14992, 1.14992, 1.14992, 1.14988, 1.14992, 1.14992, 1.14992, 1.14992, 1.14994, 1.14993, 1.14996, 1.14995, 1.14991, 1.14992, 1.14994, 0.}

P₆₇ : {1.14995, 1.14993, 1.14996, 1.14996, 1.14996, 0., 1.14995, 1.14995, 1.14995, 1.14994, 1.14996, 1.14995, 1.14996, 1.14995, 1.14996, 1.14995, 1.14999, 1.14996, 1.14996, 1.14995, 1.14997, 1.14997, 1.14996, 1.14995, 1.14997, 1.14995, 1.14996, 1.14997, 1.14996, 1.14995, 1.14997, 1.14995, 1.14995, 1.14995, 1.14992, 1.14995, 1.14993, 1.14995, 1.14996, 1.14997, 1.14995, 1.14995, 1.14993, 1.14993, 1.14992, 1.14992, 1.14989, 1.14993, 1.14993, 1.14993, 1.14993, 1.14995, 1.14993, 1.14996, 1.14996, 1.14992, 1.14993, 1.14994, 0.}

P₆₈ : {1.14996, 1.14993, 1.14996, 1.14996, 1.14996, 0., 1.14995, 1.14996, 1.14995, 1.14995, 1.14996, 1.14996, 1.14996, 1.14995, 1.14996, 1.14996, 1.14999, 1.14997, 1.14997, 1.14995, 1.14997, 1.14997, 1.14997, 1.14996, 1.14997, 1.14996, 1.14997, 1.14997, 1.14997, 1.14996, 1.14996, 1.14996, 1.14993, 1.14995, 1.14994, 1.14995, 1.14996, 1.14998, 1.14996, 1.14996, 1.14994, 1.14994, 1.14993, 1.14993, 1.1499, 1.14994, 1.14994, 1.14994, 1.14994, 1.14994, 1.14996, 1.14994, 1.14997, 1.14996, 1.14993, 1.14994, 1.14995, 0.}

P₆₉ : {1.14996, 1.14994, 1.14997, 1.14996, 1.14996, 0., 1.14996, 1.14996, 1.14996, 1.14996, 1.14997, 1.14996, 1.14997, 1.14996, 1.14997, 1.14996, 1.14999, 1.14997, 1.14997, 1.14996, 1.14998, 1.14997, 1.14997, 1.14996, 1.14997, 1.14996, 1.14997, 1.14997, 1.14997, 1.14996, 1.14998, 1.14996, 1.14996, 1.14996, 1.14994, 1.14996, 1.14994, 1.14996, 1.14997, 1.14998, 1.14996, 1.14996, 1.14994, 1.14994, 1.14994, 1.14994, 1.14991, 1.14994, 1.14994, 1.14994, 1.14994, 1.14994, 1.14996, 1.14995, 1.14997, 1.14996, 1.14993, 1.14994, 1.14995, 0.}

B.2.β Αποτελέσματα 2^{ου} μοντέλου για υποτίμηση 50%

Οι επιδράσεις στο επίπεδο τιμών των εμπορευμάτων στην ελληνική οικονομία μετά από υποτίμησης του νομίσματος κατά 50% είναι οι εξής⁵⁴:

P₁ : {1.07211, 1.00294, 1.07014, 1.07948, 1.1109, 0., 1.07027, 1.07635, 1.06186, 1.06425, 1.12587, 1.1252, 1.12908, 1.09888, 1.15705, 1.12406, 1.36681, 1.18928, 1.1659, 1.07461, 1.17134, 1.15347, 1.19111, 1.12415, 1.16503, 1.13363, 1.19511, 1.21482, 1.1826, 1.12457, 1.15992, 1.04778, 1.08313, 1.09198, 1.06685, 1.08972, 1.06075, 1.08046, 1.102, 1.22517, 1.11914, 1.11105, 1.04703, 1.02891, 1.03439, 1.03504, 1.00746, 1.05264, 1.05327, 1.03932, 1.04697, 1.0975, 1.01055, 1.16643, 1.1159, 1.03149, 1.05216, 1.07437, 0.}

P₂ : {1.15422, 1.03656, 1.17167, 1.16059, 1.18569, 0., 1.15275, 1.1672, 1.1278, 1.12706, 1.19866, 1.19153, 1.20824, 1.16564, 1.22964, 1.19169, 1.41946, 1.25927, 1.23907, 1.14307, 1.25972, 1.24045, 1.26397, 1.19495, 1.25018, 1.20195, 1.26484, 1.28314, 1.25639, 1.19396, 1.25166, 1.126, 1.16212, 1.17599, 1.1047, 1.16188, 1.11417, 1.14502, 1.21194, 1.30892, 1.21098, 1.18814, 1.09656, 1.07766, 1.07848, 1.07968, 1.0279, 1.10547, 1.10418, 1.08733, 1.09847, 1.16875, 1.06297, 1.24678, 1.20567, 1.07502, 1.10313, 1.13507, 0.}

P₃ : {1.2156, 1.08167, 1.24004, 1.22157, 1.24378, 0., 1.21568, 1.22753, 1.19001, 1.18451, 1.25026, 1.23772, 1.25886, 1.2146, 1.27402, 1.23703, 1.43411, 1.30001, 1.28388, 1.20241, 1.31222, 1.29217, 1.30474, 1.2435, 1.30011, 1.2484, 1.30402, 1.31993, 1.29967, 1.24164, 1.30448, 1.19195, 1.22203, 1.23331, 1.1439, 1.21784, 1.16096, 1.199, 1.26986, 1.3468, 1.25986, 1.24063, 1.14258, 1.1282, 1.1244, 1.12534, 1.05763, 1.15042, 1.15028, 1.13586, 1.14556, 1.22198, 1.12147, 1.29072, 1.25828, 1.11824, 1.15047, 1.1867, 0.}

P₄ : {1.26186, 1.12898, 1.28614, 1.26751, 1.28524, 0., 1.26023, 1.26935, 1.23939, 1.23093, 1.28915, 1.27388, 1.29539, 1.2535, 1.30657, 1.27206, 1.44312, 1.32965, 1.31664, 1.24908, 1.34714, 1.32698, 1.33351, 1.28026, 1.33382, 1.28388, 1.33273, 1.34633, 1.33039, 1.27809, 1.33929, 1.24358, 1.2673, 1.27521, 1.18153, 1.25904, 1.20053, 1.24418, 1.30512, 1.37067, 1.2931, 1.27868, 1.18419, 1.17352, 1.16723, 1.168, 1.09132, 1.18979, 1.19109, 1.1803, 1.18718, 1.2627, 1.17322, 1.32145, 1.29426, 1.15814, 1.1925, 1.22945, 0.}

P₅ : {1.29747, 1.17378, 1.31914, 1.30301, 1.3161, 0., 1.29328, 1.30096, 1.27782, 1.26803, 1.31934, 1.3031, 1.32355, 1.28541, 1.33223, 1.30067, 1.45025, 1.35274, 1.3421, 1.28532, 1.37219, 1.3526, 1.35584, 1.30938, 1.35858, 1.31219, 1.35526, 1.36694, 1.35406, 1.30718, 1.36444, 1.28382, 1.30226, 1.30722, 1.21581, 1.29112, 1.23446, 1.28053, 1.33086, 1.38852, 1.31946, 1.30842, 1.2212, 1.21293, 1.20573, 1.20637, 1.12595, 1.22449, 1.22687, 1.21946, 1.22365, 1.29493, 1.21683, 1.34531, 1.32177, 1.19431, 1.22915, 1.26504, 0.}

P₆ : {1.32558, 1.21417, 1.34427, 1.33108, 1.34047, 0., 1.31941, 1.32636, 1.30831, 1.29821, 1.34348, 1.3273, 1.34622, 1.31215, 1.35325, 1.32471, 1.45622, 1.37146, 1.36262, 1.31413, 1.39116, 1.37262, 1.37402, 1.33327, 1.37785, 1.33552, 1.37359, 1.38372, 1.37315, 1.33114, 1.38373, 1.31558, 1.32994, 1.33264, 1.24652, 1.31737, 1.26405, 1.30986, 1.35165, 1.40288, 1.34146, 1.33273, 1.2538, 1.24704, 1.23972, 1.24024, 1.15982, 1.25511, 1.25819, 1.25348, 1.25553, 1.32122, 1.25348, 1.36475, 1.34407, 1.22685, 1.26095, 1.29473, 0.}

⁵⁴ Ο δείκτης στη τιμή P μας δείχνει τον αριθμό της επανάληψης και οι τιμές μέσα στο άγκιστρο την τιμή που θα έχουν τα εμπορεύματα ανά κλάδο

P₇ : {1.34837, 1.24971, 1.36435, 1.35376, 1.3605, 0., 1.34104, 1.34751, 1.33311, 1.32327, 1.3633, 1.34778, 1.36505, 1.33489, 1.37091, 1.34526, 1.46133, 1.38711, 1.37963, 1.33771, 1.40613, 1.38889, 1.38926, 1.35336, 1.39348, 1.35522, 1.38892, 1.39779, 1.38898, 1.35136, 1.39916, 1.34109, 1.35239, 1.35352, 1.27392, 1.33948, 1.29008, 1.33399, 1.36919, 1.41483, 1.36019, 1.35312, 1.28239, 1.27661, 1.26954, 1.26993, 1.19198, 1.28216, 1.28564, 1.28292, 1.28341, 1.34316, 1.2845, 1.38104, 1.36276, 1.25599, 1.28858, 1.3197, 0.}

P₈ : {1.36728, 1.28063, 1.38098, 1.37246, 1.37738, 0., 1.35948, 1.3655, 1.35376, 1.34446, 1.37993, 1.36538, 1.38102, 1.35444, 1.38602, 1.36304, 1.46575, 1.40044, 1.39402, 1.35747, 1.41831, 1.40247, 1.40227, 1.37056, 1.40652, 1.37212, 1.40199, 1.4098, 1.40236, 1.36871, 1.41187, 1.36196, 1.37098, 1.37109, 1.29831, 1.35841, 1.3131, 1.35423, 1.38429, 1.42498, 1.37635, 1.37049, 1.30744, 1.30235, 1.29567, 1.29597, 1.222, 1.30608, 1.30975, 1.30842, 1.30784, 1.36181, 1.31096, 1.39497, 1.37872, 1.28206, 1.31266, 1.34097, 0.}

P₉ : {1.38325, 1.30741, 1.39507, 1.38815, 1.39181, 0., 1.37544, 1.38101, 1.37125, 1.36262, 1.3941, 1.38067, 1.39476, 1.37138, 1.39908, 1.37853, 1.46962, 1.41194, 1.40637, 1.3743, 1.42845, 1.41402, 1.41351, 1.38544, 1.4176, 1.38677, 1.41328, 1.42019, 1.41383, 1.38375, 1.42257, 1.37932, 1.38664, 1.38613, 1.32004, 1.37478, 1.33349, 1.37147, 1.39743, 1.43371, 1.3904, 1.38546, 1.32941, 1.32483, 1.3186, 1.31883, 1.24968, 1.32727, 1.33098, 1.33058, 1.32931, 1.37785, 1.33368, 1.40702, 1.39254, 1.30536, 1.33374, 1.35929, 0.}

P₁₀ : {1.39693, 1.33059, 1.4072, 1.40149, 1.40428, 0., 1.38939, 1.3945, 1.38626, 1.37835, 1.40633, 1.39404, 1.40671, 1.38613, 1.41048, 1.39211, 1.47301, 1.42195, 1.41708, 1.38882, 1.43704, 1.42396, 1.42329, 1.39841, 1.42713, 1.39956, 1.42311, 1.42924, 1.42374, 1.39688, 1.4317, 1.39398, 1.40001, 1.39915, 1.33939, 1.38903, 1.3516, 1.38633, 1.40893, 1.44128, 1.40269, 1.39848, 1.34868, 1.34453, 1.33879, 1.33896, 1.27501, 1.34607, 1.34969, 1.34991, 1.34824, 1.39178, 1.35331, 1.41752, 1.4046, 1.32617, 1.35226, 1.37522, 0.}

P₁₁ : {1.40876, 1.35067, 1.41774, 1.41297, 1.41513, 0., 1.40165, 1.40631, 1.39927, 1.39207, 1.41696, 1.40579, 1.41716, 1.39903, 1.42046, 1.40406, 1.476, 1.43071, 1.42642, 1.40144, 1.4444, 1.4326, 1.43186, 1.40978, 1.43542, 1.41078, 1.43172, 1.43716, 1.43238, 1.4084, 1.43958, 1.40651, 1.41155, 1.41052, 1.35663, 1.40151, 1.36768, 1.39925, 1.41905, 1.4479, 1.4135, 1.40987, 1.36564, 1.36186, 1.35659, 1.35673, 1.29805, 1.36276, 1.36624, 1.36683, 1.36495, 1.40395, 1.37035, 1.42673, 1.41518, 1.34476, 1.36859, 1.38916, 0.}

P₁₂ : {1.41908, 1.36812, 1.42696, 1.42291, 1.42463, 0., 1.41247, 1.41669, 1.41062, 1.4041, 1.42626, 1.41615, 1.42635, 1.41035, 1.42925, 1.41462, 1.47863, 1.43841, 1.43461, 1.41248, 1.45077, 1.44016, 1.43941, 1.41979, 1.44266, 1.42066, 1.43929, 1.44413, 1.43995, 1.41854, 1.44644, 1.41732, 1.42158, 1.42049, 1.37201, 1.41247, 1.38198, 1.41055, 1.42797, 1.4537, 1.42303, 1.41988, 1.38058, 1.37714, 1.37234, 1.37245, 1.31892, 1.3776, 1.38088, 1.3817, 1.37974, 1.41464, 1.3852, 1.43484, 1.42451, 1.36136, 1.38301, 1.40142, 0.}

P₁₃ : {1.42812, 1.38333, 1.43507, 1.4316, 1.43299, 0., 1.42204, 1.42585, 1.42058, 1.4147, 1.43444, 1.42532, 1.43445, 1.42032, 1.43702, 1.42395, 1.48097, 1.4452, 1.44183, 1.42219, 1.45633, 1.44679, 1.44607, 1.42862, 1.44903, 1.42938, 1.44597, 1.45028, 1.44661, 1.4275, 1.45244, 1.42671, 1.43036, 1.42927, 1.38573, 1.42214, 1.39471, 1.42049, 1.43586, 1.45882, 1.43146, 1.42871, 1.39377, 1.39064, 1.38628, 1.38638, 1.33777, 1.39081, 1.39387, 1.39479, 1.39285, 1.42406, 1.3982, 1.442, 1.43276, 1.37619, 1.39579, 1.41225, 0.}

P₁₄ : {1.43608, 1.39662, 1.44223, 1.43922, 1.44036, 0., 1.43052, 1.43396, 1.42936, 1.42406, 1.44165, 1.43345, 1.44162, 1.42912, 1.4439, 1.43223, 1.48304, 1.4512, 1.44821, 1.43075, 1.4612, 1.45265, 1.45196, 1.43643, 1.45464, 1.4371, 1.45189, 1.45572, 1.45248, 1.43543, 1.45771, 1.43493, 1.43808, 1.43702, 1.39797, 1.43069, 1.40605, 1.42924, 1.44285, 1.46334, 1.43893, 1.43651, 1.40544, 1.4026, 1.39865, 1.39873, 1.35476, 1.40257, 1.4054, 1.40636, 1.40448, 1.43239, 1.40961, 1.44834, 1.44008, 1.38943, 1.40712, 1.42183, 0.}

P₁₅ : {1.4431, 1.40827, 1.44855, 1.44593, 1.44688, 0., 1.43805, 1.44114, 1.43711, 1.43235, 1.44803, 1.44067, 1.44798, 1.4369, 1.44999, 1.43958, 1.48488, 1.45652, 1.45386, 1.43832, 1.46549, 1.45783, 1.45719, 1.44335, 1.45961, 1.44395, 1.45713, 1.46055, 1.45768, 1.44247, 1.46236, 1.44216, 1.44489, 1.44389, 1.40889, 1.43825, 1.41616, 1.43699, 1.44906, 1.46734, 1.44556, 1.44343, 1.41578, 1.4132, 1.40964, 1.40971, 1.37003, 1.41305, 1.41564, 1.4166, 1.41483, 1.43976, 1.41966, 1.45396, 1.44657, 1.40125, 1.41719, 1.43032, 0.}

P₁₆ : {1.44932, 1.41852, 1.45416, 1.45186, 1.45267, 0., 1.44475, 1.44752, 1.44397, 1.4397, 1.45369, 1.44709, 1.45362, 1.44379, 1.45541, 1.44611, 1.48651, 1.46125, 1.45888, 1.44504, 1.46928, 1.46242, 1.46183, 1.4495, 1.46401, 1.45003, 1.46178, 1.46483, 1.46229, 1.44871, 1.46648, 1.44853, 1.45091, 1.44999, 1.41865, 1.44497, 1.42516, 1.44386, 1.45457, 1.47089, 1.45145, 1.44957, 1.42495, 1.42262, 1.41941, 1.41947, 1.38374, 1.42239, 1.42476, 1.42569, 1.42403, 1.44631, 1.42853, 1.45895, 1.45234, 1.41181, 1.42614, 1.43787, 0.}

P₁₇ : {1.45483, 1.42755, 1.45913, 1.45711, 1.4578, 0., 1.45071, 1.45319, 1.45006, 1.44624, 1.45871, 1.45279, 1.45864, 1.44991, 1.46023, 1.45193, 1.48797, 1.46544, 1.46333, 1.451, 1.47263, 1.4665, 1.46595, 1.45496, 1.46791, 1.45543, 1.46591, 1.46863, 1.46638, 1.45426, 1.47013, 1.45416, 1.45625, 1.45541, 1.42735, 1.45093, 1.43319, 1.44995, 1.45948, 1.47404, 1.45669, 1.45503, 1.43309, 1.43099, 1.42811, 1.42816, 1.39604, 1.43072, 1.43287, 1.43375, 1.43222, 1.45212, 1.43637, 1.46339, 1.45748, 1.42124, 1.4341, 1.44458, 0.}

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P67 : {1.49984, 1.49975, 1.49986, 1.49985, 1.49985, 0., 1.49983, 1.49984, 1.49983, 1.49981, 1.49986, 1.49984, 1.49986, 1.49983, 1.49986, 1.49983, 1.49996, 1.49988, 1.49987, 1.49983, 1.49991, 1.49988, 1.49988, 1.49984, 1.49989, 1.49984, 1.49988, 1.49989, 1.49988, 1.49984, 1.4999, 1.49984, 1.49985, 1.49984, 1.49975, 1.49983, 1.49977, 1.49983, 1.49986, 1.49991, 1.49985, 1.49984, 1.49977, 1.49976, 1.49975, 1.49975, 1.49963, 1.49976, 1.49977, 1.49977, 1.49976, 1.49983, 1.49978, 1.49987, 1.49985, 1.49972, 1.49977, 1.49981, 0.}

P68 : {1.49986, 1.49978, 1.49987, 1.49987, 1.49987, 0., 1.49985, 1.49985, 1.49984, 1.49983, 1.49987, 1.49985, 1.49987, 1.49984, 1.49988, 1.49985, 1.49996, 1.49989, 1.49989, 1.49985, 1.49992, 1.4999, 1.49989, 1.49986, 1.4999, 1.49986, 1.49989, 1.4999, 1.4999, 1.49986, 1.49991, 1.49986, 1.49986, 1.49986, 1.49977, 1.49985, 1.49979, 1.49984, 1.49987, 1.49992, 1.49987, 1.49986, 1.49979, 1.49979, 1.49978, 1.49978, 1.49967, 1.49978, 1.49979, 1.49979, 1.49979, 1.49979, 1.49985, 1.4998, 1.49989, 1.49987, 1.49975, 1.49979, 1.49983, 0.}

P69 : {1.49987, 1.4998, 1.49989, 1.49988, 1.49988, 0., 1.49986, 1.49987, 1.49986, 1.49985, 1.49989, 1.49987, 1.49989, 1.49986, 1.49989, 1.49987, 1.49997, 1.4999, 1.4999, 1.49986, 1.49992, 1.49991, 1.49991, 1.49987, 1.49991, 1.49988, 1.49991, 1.49991, 1.49991, 1.49987, 1.49992, 1.49987, 1.49988, 1.49988, 1.4998, 1.49986, 1.49981, 1.49986, 1.49989, 1.49993,

1.49988, 1.49988, 1.49981, 1.49981, 1.4998, 1.4998, 1.49971, 1.49981, 1.49981, 1.49982, 1.49981, 1.49987, 1.49982, 1.4999, 1.49988, 1.49978, 1.49982, 1.49985, 0.}

P70 : {1.49989, 1.49982, 1.4999, 1.49989, 1.4999, 0., 1.49988, 1.49988, 1.49988, 1.49987, 1.4999, 1.49988, 1.4999, 1.49988, 1.4999, 1.49988, 1.49997, 1.49991, 1.49991, 1.49988, 1.49993, 1.49992, 1.49992, 1.49989, 1.49992, 1.49989, 1.49992, 1.49992, 1.49992, 1.49989, 1.49993, 1.49989, 1.49989, 1.49989, 1.49982, 1.49988, 1.49983, 1.49988, 1.4999, 1.49994, 1.49989, 1.49989, 1.49983, 1.49983, 1.49982, 1.49982, 1.49974, 1.49983, 1.49983, 1.49984, 1.49983, 1.49988, 1.49984, 1.49991, 1.49989, 1.4998, 1.49984, 1.49986, 0.}

P71 : {1.4999, 1.49984, 1.49991, 1.49991, 1.49991, 0., 1.49989, 1.4999, 1.49989, 1.49988, 1.49991, 1.4999, 1.49991, 1.49989, 1.49991, 1.49989, 1.49997, 1.49992, 1.49992, 1.49989, 1.49994, 1.49993, 1.49992, 1.4999, 1.49993, 1.4999, 1.49992, 1.49993, 1.49993, 1.4999, 1.49993, 1.4999, 1.4999, 1.4999, 1.4999, 1.49984, 1.49989, 1.49985, 1.49989, 1.49991, 1.49994, 1.4999, 1.4999, 1.49985, 1.49985, 1.49984, 1.49984, 1.49977, 1.49985, 1.49985, 1.49985, 1.49985, 1.49989, 1.49986, 1.49992, 1.49991, 1.49982, 1.49985, 1.49988, 0.}

P72 : {1.49991, 1.49986, 1.49992, 1.49992, 1.49992, 0., 1.4999, 1.49991, 1.4999, 1.49989, 1.49992, 1.49991, 1.49992, 1.4999, 1.49992, 1.4999, 1.49998, 1.49993, 1.49993, 1.4999, 1.49995, 1.49993, 1.49993, 1.49991, 1.49994, 1.49991, 1.49993, 1.49994, 1.49993, 1.49991, 1.49994, 1.49991, 1.49991, 1.49991, 1.49986, 1.4999, 1.49987, 1.4999, 1.49992, 1.49995, 1.49991, 1.49991, 1.49987, 1.49986, 1.49986, 1.49986, 1.49979, 1.49986, 1.49987, 1.49987, 1.49987, 1.49987, 1.49991, 1.49988, 1.49993, 1.49992, 1.49984, 1.49987, 1.49989, 0.}

P73 : {1.49992, 1.49987, 1.49993, 1.49992, 1.49993, 0., 1.49991, 1.49992, 1.49991, 1.49991, 1.49993, 1.49992, 1.49993, 1.49991, 1.49993, 1.49991, 1.49998, 1.49994, 1.49994, 1.49991, 1.49995, 1.49994, 1.49994, 1.49992, 1.49994, 1.49992, 1.49994, 1.49994, 1.49994, 1.49992, 1.49995, 1.49992, 1.49992, 1.49992, 1.49987, 1.49991, 1.49988, 1.49991, 1.49993, 1.49995, 1.49992, 1.49992, 1.49988, 1.49988, 1.49987, 1.49987, 1.49981, 1.49988, 1.49988, 1.49988, 1.49988, 1.49992, 1.49989, 1.49994, 1.49992, 1.49986, 1.49988, 1.4999, 0.}

P74 : {1.49993, 1.49989, 1.49994, 1.49993, 1.49993, 0., 1.49992, 1.49993, 1.49992, 1.49992, 1.49993, 1.49993, 1.49993, 1.49992, 1.49994, 1.49992, 1.49998, 1.49995, 1.49994, 1.49992, 1.49996, 1.49995, 1.49995, 1.49993, 1.49995, 1.49993, 1.49995, 1.49995, 1.49995, 1.49993, 1.49995, 1.49993, 1.49993, 1.49988, 1.49992, 1.49989, 1.49992, 1.49994, 1.49996, 1.49993, 1.49993, 1.49989, 1.49989, 1.49989, 1.49989, 1.49989, 1.49983, 1.49989, 1.49989, 1.4999, 1.49989, 1.49992, 1.4999, 1.49994, 1.49993, 1.49987, 1.4999, 1.49991, 0.}

P75 : {1.49994, 1.4999, 1.49994, 1.49994, 1.49994, 0., 1.49993, 1.49993, 1.49993, 1.49992, 1.49994, 1.49993, 1.49994, 1.49993, 1.49994, 1.49993, 1.49998, 1.49995, 1.49995, 1.49993, 1.49996, 1.49995, 1.49995, 1.49994, 1.49995, 1.49994, 1.49995, 1.49996, 1.49995, 1.49994, 1.49996, 1.49994, 1.49994, 1.49994, 1.4999, 1.49993, 1.49991, 1.49993, 1.49994, 1.49996, 1.49994, 1.49994, 1.49991, 1.4999, 1.4999, 1.4999, 1.49985, 1.4999, 1.49991, 1.49991, 1.4999, 1.49993, 1.49991, 1.49995, 1.49994, 1.49989, 1.49991, 1.49992, 0.}

P76 : {1.49994, 1.49991, 1.49995, 1.49995, 1.49995, 0., 1.49994, 1.49994, 1.49994, 1.49993, 1.49995, 1.49994, 1.49995, 1.49994, 1.49995, 1.49994, 1.49998, 1.49996, 1.49995, 1.49994, 1.49997, 1.49996, 1.49996, 1.49994, 1.49996, 1.49994, 1.49996, 1.49996, 1.49996, 1.49996, 1.49994, 1.49995, 1.49994, 1.49991, 1.49994, 1.49992, 1.49994, 1.49995, 1.49997, 0.}

1.49995, 1.49994, 1.49992, 1.49991, 1.49991, 1.49991, 1.49987, 1.49991, 1.49992, 1.49992, 1.49991, 1.49994, 1.49992, 1.49995, 1.49995, 1.4999, 1.49992, 1.49993, 0.}

P77 : {1.49995, 1.49992, 1.49995, 1.49995, 1.49995, 0., 1.49994, 1.49995, 1.49994, 1.49994, 1.49995, 1.49995, 1.49995, 1.49994, 1.49996, 1.49995, 1.49999, 1.49996, 1.49996, 1.49994, 1.49997, 1.49996, 1.49996, 1.49995, 1.49996, 1.49995, 1.49996, 1.49996, 1.49996, 1.49995, 1.49997, 1.49995, 1.49995, 1.49995, 1.49992, 1.49994, 1.49992, 1.49994, 1.49995, 1.49997, 1.49995, 1.49995, 1.49992, 1.49992, 1.49992, 1.49992, 1.49988, 1.49992, 1.49992, 1.49993, 1.49992, 1.49995, 1.49993, 1.49996, 1.49995, 1.49991, 1.49993, 1.49994, 0.}

P78 : {1.49995, 1.49993, 1.49996, 1.49996, 1.49996, 0., 1.49995, 1.49995, 1.49995, 1.49995, 1.49996, 1.49995, 1.49996, 1.49995, 1.49996, 1.49995, 1.49999, 1.49997, 1.49996, 1.49995, 1.49997, 1.49997, 1.49997, 1.49995, 1.49997, 1.49996, 1.49997, 1.49997, 1.49997, 1.49995, 1.49997, 1.49995, 1.49996, 1.49996, 1.49993, 1.49995, 1.49993, 1.49995, 1.49996, 1.49997, 1.49996, 1.49995, 1.49993, 1.49993, 1.49993, 1.49993, 1.49989, 1.49993, 1.49993, 1.49993, 1.49993, 1.49995, 1.49994, 1.49996, 1.49996, 1.49992, 1.49993, 1.49994, 0.}

P79 : {1.49996, 1.49994, 1.49996, 1.49996, 1.49996, 0., 1.49996, 1.49996, 1.49996, 1.49995, 1.49996, 1.49996, 1.49996, 1.49996, 1.49996, 1.49996, 1.49999, 1.49997, 1.49997, 1.49996, 1.49998, 1.49997, 1.49997, 1.49996, 1.49997, 1.49996, 1.49997, 1.49997, 1.49997, 1.49996, 1.49997, 1.49996, 1.49996, 1.49993, 1.49996, 1.49994, 1.49996, 1.49996, 1.49998, 1.49996, 1.49996, 1.49994, 1.49994, 1.49994, 1.49994, 1.49991, 1.49994, 1.49994, 1.49994, 1.49994, 1.49996, 1.49994, 1.49997, 1.49996, 1.49993, 1.49994, 1.49995, 0.}

P80 : {1.49996, 1.49994, 1.49997, 1.49997, 1.49997, 0., 1.49996, 1.49996, 1.49996, 1.49996, 1.49997, 1.49996, 1.49997, 1.49996, 1.49997, 1.49996, 1.49999, 1.49997, 1.49997, 1.49996, 1.49998, 1.49997, 1.49997, 1.49996, 1.49997, 1.49996, 1.49997, 1.49997, 1.49997, 1.49996, 1.49998, 1.49996, 1.49997, 1.49996, 1.49994, 1.49996, 1.49995, 1.49996, 1.49997, 1.49998, 1.49997, 1.49996, 1.49995, 1.49994, 1.49994, 1.49994, 1.49994, 1.49992, 1.49994, 1.49995, 1.49995, 1.49995, 1.49995, 1.49995, 1.49997, 1.49997, 1.49994, 1.49995, 1.49996, 0.}

P81 : {1.49997, 1.49995, 1.49997, 1.49997, 1.49997, 0., 1.49996, 1.49997, 1.49996, 1.49996, 1.49997, 1.49997, 1.49997, 1.49996, 1.49997, 1.49997, 1.49999, 1.49998, 1.49997, 1.49996, 1.49998, 1.49998, 1.49998, 1.49997, 1.49998, 1.49997, 1.49998, 1.49998, 1.49998, 1.49997, 1.49998, 1.49997, 1.49997, 1.49995, 1.49996, 1.49995, 1.49996, 1.49997, 1.49998, 1.49997, 1.49997, 1.49995, 1.49995, 1.49995, 1.49995, 1.49995, 1.49992, 1.49995, 1.49995, 1.49995, 1.49995, 1.49995, 1.49997, 1.49997, 1.49994, 1.49995, 1.49996, 0.}

P82 : {1.49997, 1.49995, 1.49997, 1.49997, 1.49997, 0., 1.49997, 1.49997, 1.49997, 1.49997, 1.49997, 1.49997, 1.49997, 1.49997, 1.49997, 1.49999, 1.49998, 1.49998, 1.49997, 1.49998, 1.49998, 1.49997, 1.49998, 1.49997, 1.49998, 1.49998, 1.49998, 1.49997, 1.49998, 1.49997, 1.49997, 1.49995, 1.49997, 1.49996, 1.49997, 1.49997, 1.49998, 1.49997, 1.49997, 1.49996, 1.49996, 1.49995, 1.49995, 1.49993, 1.49996, 1.49996, 1.49996, 1.49996, 1.49996, 1.49997, 1.49996, 1.49998, 1.49997, 1.49995, 1.49996, 0.}

P83 : {1.49997, 1.49996, 1.49998, 1.49998, 1.49998, 0., 1.49997, 1.49997, 1.49997, 1.49997, 1.49998, 1.49997, 1.49998, 1.49997, 1.49998, 1.49997, 1.49999, 1.49998, 1.49998, 1.49997, 1.49998, 1.49998, 1.49997, 1.49998, 1.49997, 1.49998, 1.49998, 1.49998, 1.49997, 1.49998, 1.49997, 1.49996, 1.49997, 1.49996, 1.49997, 1.49998, 1.49999,

B.3Αποτελέσματα 3ου μοντέλου

B.3.α Αποτελέσματα 3^{ου} μοντέλου για υποτίμηση 15%

Οι επιδράσεις στο πληθωρισμό της Ελλάδας μετά από υποτίμησης του νομίσματος κατά 15% είναι οι εξής⁵⁵:

P₁ : {1.00918, 1.00045, 1.00819, 1.01103, 1.01708, 0., 1.01095, 1.01292, 1.01239, 1.012, 1.02722, 1.02172, 1.02638, 1.0245, 1.03605, 1.02212, 1.10003, 1.0423, 1.03334, 1.01471, 1.04584, 1.03422, 1.03662, 1.02152, 1.03585, 1.022, 1.03632, 1.04478, 1.0355, 1.02068, 1.03966, 1.00721, 1.01079, 1.01726, 1.00681, 1.01047, 1.00635, 1.01171, 1.01952, 1.04201, 1.01731, 1.01636, 1.00431, 1.00249, 1.00663, 1.00419, 1.00136, 1.0078, 1.00927, 1.00799, 1.00781, 1.01367, 1.00046, 1.01992, 1.00871, 1.00696, 1.00814, 1.00564, 1.}

P₂ : {1.01487, 1.00328, 1.01504, 1.01731, 1.02232, 0., 1.01785, 1.02213, 1.01884, 1.01736, 1.03382, 1.0262, 1.03404, 1.03402, 1.04388, 1.02779, 1.10696, 1.04937, 1.04023, 1.02203, 1.06227, 1.04648, 1.04321, 1.02632, 1.04639, 1.02641, 1.0417, 1.0508, 1.04267, 1.02662, 1.05523, 1.0138, 1.01459, 1.02646, 1.00847, 1.01482, 1.00886, 1.01625, 1.03196, 1.05011, 1.02493, 1.02191, 1.00569, 1.00432, 1.01045, 1.00663, 1.00295, 1.01155, 1.01302, 1.01175, 1.01192, 1.01643, 1.00156, 1.02396, 1.01216, 1.01179, 1.0114, 1.00737, 1.}

P₃ : {1.01646, 1.00442, 1.01626, 1.01918, 1.02444, 0., 1.01979, 1.02424, 1.02183, 1.0197, 1.03629, 1.02772, 1.03624, 1.03751, 1.04616, 1.02954, 1.10786, 1.05145, 1.04236, 1.02515, 1.06815, 1.05075, 1.0454, 1.02803, 1.05001, 1.02799, 1.04327, 1.05265, 1.04515, 1.02875, 1.06041, 1.01565, 1.01552, 1.02948, 1.00937, 1.01633, 1.00983, 1.01803, 1.03365, 1.05169, 1.02626, 1.02347, 1.0061, 1.00506, 1.01222, 1.00767, 1.00375, 1.0129, 1.01447, 1.01331, 1.01348, 1.01736, 1.00202, 1.02489, 1.01287, 1.01385, 1.01273, 1.0081, 1.}

P₄ : {1.01692, 1.0048, 1.01655, 1.01971, 1.02491, 0., 1.02022, 1.02477, 1.02281, 1.02046, 1.03712, 1.02825, 1.03694, 1.03874, 1.04689, 1.03011, 1.10809, 1.05213, 1.04306, 1.02614, 1.07017, 1.05225, 1.04616, 1.02861, 1.05128, 1.02853, 1.04381, 1.05329, 1.04601, 1.02951, 1.06218, 1.01616, 1.0158, 1.03054, 1.00969, 1.01669, 1.01011, 1.01869, 1.03409, 1.05213, 1.02665, 1.02388, 1.00623, 1.00531, 1.01288, 1.00805, 1.004, 1.01336, 1.01499, 1.01384, 1.01403, 1.01764, 1.00217, 1.02519, 1.01309, 1.01459, 1.0132, 1.00833, 1.}

P₅ : {1.01705, 1.00492, 1.01663, 1.01986, 1.02505, 0., 1.02035, 1.02493, 1.02311, 1.02069, 1.03738, 1.02842, 1.03716, 1.03914, 1.04711, 1.03029, 1.10816, 1.05234, 1.04327, 1.02642, 1.07084, 1.05275, 1.04642, 1.0288, 1.05171, 1.0287, 1.04397, 1.0535, 1.04629, 1.02976, 1.06277, 1.0163, 1.01588, 1.03087, 1.00979, 1.0168, 1.01019, 1.0189, 1.03422, 1.05226, 1.02678, 1.02402, 1.00627, 1.00539, 1.01311, 1.00819, 1.00409, 1.01352, 1.01516, 1.01402, 1.01422, 1.01774, 1.00222, 1.02528, 1.01315, 1.01483, 1.01336, 1.00841, 1.}

P₆ : {1.01709, 1.00496, 1.01666, 1.01991, 1.02509, 0., 1.02039, 1.02497, 1.0232, 1.02077, 1.03746, 1.02847, 1.03723, 1.03927, 1.04718, 1.03035, 1.10818, 1.0524, 1.04334, 1.02651, 1.07106, 1.05291, 1.0465, 1.02886, 1.05185, 1.02876, 1.04402, 1.05357, 1.04639, 1.02984,

⁵⁵ Ο δείκτης στη τιμή P μας δείχνει τον αριθμό της επανάληψης και οι τιμές μέσα στο άγκιστρο την τιμή που θα έχουν τα εμπορεύματα ανά κλάδο

1.06296, 1.01634, 1.01591, 1.03098, 1.00982, 1.01684, 1.01022, 1.01896, 1.03427, 1.0523, 1.02682, 1.02406, 1.00628, 1.00542, 1.01319, 1.00823, 1.00412, 1.01356, 1.01521, 1.01408, 1.01428, 1.01777, 1.00224, 1.02531, 1.01317, 1.01491, 1.01342, 1.00844, 1.}

P₇ : {1.01711, 1.00497, 1.01666, 1.01993, 1.02511, 0., 1.0204, 1.02499, 1.02323, 1.02079, 1.03749, 1.02849, 1.03725, 1.03931, 1.0472, 1.03036, 1.10819, 1.05243, 1.04336, 1.02654, 1.07113, 1.05297, 1.04653, 1.02888, 1.05189, 1.02878, 1.04404, 1.05359, 1.04642, 1.02987, 1.06302, 1.01636, 1.01592, 1.03102, 1.00983, 1.01685, 1.01023, 1.01898, 1.03428, 1.05231, 1.02683, 1.02407, 1.00628, 1.00543, 1.01322, 1.00824, 1.00413, 1.01358, 1.01523, 1.0141, 1.0143, 1.01777, 1.00225, 1.02532, 1.01318, 1.01494, 1.01344, 1.00845, 1.}

P₈ : {1.01711, 1.00497, 1.01667, 1.01993, 1.02511, 0., 1.02041, 1.02499, 1.02324, 1.0208, 1.0375, 1.02849, 1.03725, 1.03933, 1.04721, 1.03037, 1.10819, 1.05243, 1.04337, 1.02655, 1.07115, 1.05299, 1.04654, 1.02888, 1.05191, 1.02878, 1.04405, 1.05359, 1.04643, 1.02988, 1.06304, 1.01636, 1.01592, 1.03103, 1.00983, 1.01685, 1.01023, 1.01899, 1.03428, 1.05232, 1.02684, 1.02407, 1.00628, 1.00543, 1.01323, 1.00825, 1.00413, 1.01358, 1.01524, 1.01411, 1.01431, 1.01778, 1.00225, 1.02532, 1.01318, 1.01495, 1.01344, 1.00845, 1.}

P₉ : {1.01711, 1.00497, 1.01667, 1.01994, 1.02511, 0., 1.02041, 1.025, 1.02324, 1.0208, 1.0375, 1.02849, 1.03726, 1.03933, 1.04721, 1.03037, 1.10819, 1.05243, 1.04337, 1.02655, 1.07116, 1.05299, 1.04654, 1.02889, 1.05191, 1.02878, 1.04405, 1.0536, 1.04643, 1.02988, 1.06305, 1.01636, 1.01592, 1.03103, 1.00984, 1.01685, 1.01023, 1.01899, 1.03429, 1.05232, 1.02684, 1.02407, 1.00628, 1.00543, 1.01323, 1.00825, 1.00413, 1.01359, 1.01524, 1.01411, 1.01431, 1.01778, 1.00225, 1.02532, 1.01318, 1.01495, 1.01344, 1.00845, 1.}

P₁₀ : {1.01711, 1.00498, 1.01667, 1.01994, 1.02511, 0., 1.02041, 1.025, 1.02324, 1.0208, 1.0375, 1.02849, 1.03726, 1.03933, 1.04721, 1.03037, 1.10819, 1.05243, 1.04337, 1.02655, 1.07116, 1.05299, 1.04654, 1.02889, 1.05191, 1.02878, 1.04405, 1.0536, 1.04643, 1.02988, 1.06305, 1.01636, 1.01592, 1.03103, 1.00984, 1.01685, 1.01023, 1.01899, 1.03429, 1.05232, 1.02684, 1.02408, 1.00628, 1.00543, 1.01323, 1.00825, 1.00413, 1.01359, 1.01524, 1.01411, 1.01431, 1.01778, 1.00225, 1.02532, 1.01318, 1.01495, 1.01344, 1.00845, 1.}

P₁₁ : {1.01711, 1.00498, 1.01667, 1.01994, 1.02511, 0., 1.02041, 1.025, 1.02324, 1.0208, 1.0375, 1.02849, 1.03726, 1.03933, 1.04721, 1.03037, 1.10819, 1.05244, 1.04337, 1.02655, 1.07116, 1.05299, 1.04654, 1.02889, 1.05191, 1.02878, 1.04405, 1.0536, 1.04643, 1.02988, 1.06305, 1.01636, 1.01592, 1.03103, 1.00984, 1.01685, 1.01023, 1.01899, 1.03429, 1.05232, 1.02684, 1.02408, 1.00628, 1.00543, 1.01323, 1.00825, 1.00413, 1.01359, 1.01524, 1.01411, 1.01431, 1.01778, 1.00225, 1.02532, 1.01318, 1.01495, 1.01344, 1.00845, 1.}

P₁₂ : {1.01711, 1.00498, 1.01667, 1.01994, 1.02511, 0., 1.02041, 1.025, 1.02324, 1.0208, 1.0375, 1.02849, 1.03726, 1.03933, 1.04721, 1.03037, 1.10819, 1.05244, 1.04337, 1.02655, 1.07116, 1.05299, 1.04654, 1.02889, 1.05191, 1.02878, 1.04405, 1.0536, 1.04643, 1.02988, 1.06305, 1.01636, 1.01592, 1.03103, 1.00984, 1.01685, 1.01023, 1.01899, 1.03429, 1.05232, 1.02684, 1.02408, 1.00628, 1.00543, 1.01323, 1.00825, 1.00413, 1.01359, 1.01524, 1.01411, 1.01431, 1.01778, 1.00225, 1.02532, 1.01318, 1.01495, 1.01344, 1.00845, 1.}

P₁₃ : {1.01711, 1.00498, 1.01667, 1.01994, 1.02511, 0., 1.02041, 1.025, 1.02324, 1.0208, 1.0375, 1.02849, 1.03726, 1.03933, 1.04721, 1.03037, 1.10819, 1.05244, 1.04337, 1.02655, 1.07116, 1.05299, 1.04654, 1.02889, 1.05191, 1.02878, 1.04405, 1.0536, 1.04643, 1.02988, 1.06305, 1.01636, 1.01592, 1.03103, 1.00984, 1.01685, 1.01023, 1.01899, 1.03429, 1.05232,

1.02684, 1.02408, 1.00628, 1.00543, 1.01323, 1.00825, 1.00413, 1.01359, 1.01524, 1.01411, 1.01431, 1.01778, 1.00225, 1.02532, 1.01318, 1.01495, 1.01344, 1.00845, 1.}

Β.3.β Αποτελέσματα 3^{ου} μοντέλου για υποτίμηση 50%

P₁ : {1.03061, 1.0015, 1.02729, 1.03676, 1.05692, 0., 1.03651, 1.04307, 1.04129, 1.03999, 1.09074, 1.07241, 1.08793, 1.08165, 1.12015, 1.07374, 1.33344, 1.14101, 1.11112, 1.04902, 1.15279, 1.11407, 1.12205, 1.07173, 1.1195, 1.07333, 1.12107, 1.14928, 1.11845, 1.06892, 1.13222, 1.02405, 1.03596, 1.05754, 1.02271, 1.0349, 1.02117, 1.03903, 1.06507, 1.14002, 1.05769, 1.05455, 1.01438, 1.00829, 1.02209, 1.01397, 1.00455, 1.026, 1.03089, 1.02663, 1.02605, 1.04557, 1.00152, 1.06639, 1.02903, 1.0232, 1.02713, 1.0188, 1.}

P₂ : {1.04958, 1.01093, 1.05015, 1.05771, 1.07439, 0., 1.05951, 1.07378, 1.0628, 1.05786, 1.11275, 1.08735, 1.11347, 1.11338, 1.14626, 1.09265, 1.35653, 1.16457, 1.13411, 1.07343, 1.20757, 1.15494, 1.14402, 1.08773, 1.15463, 1.08803, 1.13901, 1.16932, 1.14236, 1.08872, 1.1841, 1.046, 1.04863, 1.08821, 1.02823, 1.0494, 1.02955, 1.05416, 1.10653, 1.16704, 1.08309, 1.07302, 1.01897, 1.01442, 1.03483, 1.02211, 1.00985, 1.0385, 1.0434, 1.03917, 1.03973, 1.05478, 1.00519, 1.07987, 1.04055, 1.0393, 1.038, 1.02457, 1.}

P₃ : {1.05486, 1.01473, 1.0542, 1.06392, 1.08145, 0., 1.06597, 1.08081, 1.07277, 1.06566, 1.12095, 1.09239, 1.12078, 1.12504, 1.15387, 1.09847, 1.35953, 1.1715, 1.1412, 1.08385, 1.22717, 1.16918, 1.15133, 1.09343, 1.1667, 1.09331, 1.14424, 1.17551, 1.15061, 1.09585, 1.20137, 1.05216, 1.05173, 1.09827, 1.03124, 1.05442, 1.03275, 1.06009, 1.11218, 1.1723, 1.08753, 1.07823, 1.02032, 1.01688, 1.04072, 1.02557, 1.01248, 1.043, 1.04824, 1.04436, 1.04494, 1.05786, 1.00672, 1.08297, 1.04292, 1.04617, 1.04242, 1.02698, 1.}

P₄ : {1.05639, 1.01601, 1.05517, 1.06568, 1.08303, 0., 1.06741, 1.08256, 1.07604, 1.06819, 1.12372, 1.09416, 1.12311, 1.12912, 1.15629, 1.10036, 1.36031, 1.17376, 1.14352, 1.08712, 1.23389, 1.17415, 1.15388, 1.09537, 1.17094, 1.09511, 1.14602, 1.17765, 1.15346, 1.09838, 1.20725, 1.05385, 1.05266, 1.10178, 1.03229, 1.05564, 1.03369, 1.0623, 1.11363, 1.17375, 1.08884, 1.07962, 1.02075, 1.0177, 1.04293, 1.02684, 1.01335, 1.04455, 1.04996, 1.04614, 1.04678, 1.05881, 1.00724, 1.08397, 1.04362, 1.04862, 1.04401, 1.02777, 1.}

P₅ : {1.05684, 1.01641, 1.05544, 1.06622, 1.0835, 0., 1.06783, 1.08308, 1.07703, 1.06897, 1.12459, 1.09472, 1.12385, 1.13047, 1.15704, 1.10096, 1.36054, 1.17446, 1.14424, 1.08808, 1.23613, 1.17583, 1.15473, 1.09599, 1.17236, 1.09568, 1.14658, 1.17833, 1.15441, 1.09921, 1.20922, 1.05434, 1.05295, 1.10291, 1.03263, 1.056, 1.03398, 1.06299, 1.11408, 1.17419, 1.08927, 1.08005, 1.02089, 1.01798, 1.04371, 1.02729, 1.01364, 1.04505, 1.05053, 1.04674, 1.0474, 1.05912, 1.00741, 1.08427, 1.04384, 1.04944, 1.04455, 1.02804, 1.}

P₆ : {1.05698, 1.01653, 1.05552, 1.06638, 1.08364, 0., 1.06797, 1.08325, 1.07733, 1.06922, 1.12487, 1.0949, 1.12408, 1.1309, 1.15727, 1.10115, 1.36061, 1.17468, 1.14446, 1.08837, 1.23686, 1.17638, 1.155, 1.09619, 1.17282, 1.09586, 1.14675, 1.17855, 1.15473, 1.09948, 1.20986, 1.05448, 1.05304, 1.10327, 1.03274, 1.05612, 1.03407, 1.0632, 1.11422, 1.17434, 1.}

1.0894, 1.08019, 1.02093, 1.01807, 1.04397, 1.02744, 1.01373, 1.04521, 1.05072, 1.04694, 1.0476, 1.05922, 1.00747, 1.08436, 1.04391, 1.04971, 1.04473, 1.02813, 1.}

P₇ : {1.05702, 1.01657, 1.05555, 1.06643, 1.08369, 0., 1.06801, 1.0833, 1.07743, 1.0693, 1.12496, 1.09495, 1.12415, 1.13104, 1.15735, 1.10122, 1.36063, 1.17475, 1.14453, 1.08846, 1.2371, 1.17656, 1.1551, 1.09626, 1.17297, 1.09592, 1.1468, 1.17862, 1.15483, 1.09957, 1.21007, 1.05453, 1.05306, 1.10339, 1.03277, 1.05616, 1.0341, 1.06327, 1.11427, 1.17438, 1.08944, 1.08023, 1.02094, 1.0181, 1.04406, 1.02748, 1.01376, 1.04527, 1.05078, 1.047, 1.04767, 1.05925, 1.00749, 1.08439, 1.04393, 1.0498, 1.04478, 1.02815, 1.}

P₈ : {1.05703, 1.01658, 1.05556, 1.06644, 1.0837, 0., 1.06803, 1.08331, 1.07746, 1.06932, 1.12499, 1.09497, 1.12418, 1.13108, 1.15737, 1.10123, 1.36064, 1.17477, 1.14456, 1.08849, 1.23718, 1.17662, 1.15512, 1.09628, 1.17302, 1.09594, 1.14682, 1.17865, 1.15486, 1.09959, 1.21014, 1.05454, 1.05307, 1.10342, 1.03278, 1.05617, 1.03411, 1.06329, 1.11428, 1.17439, 1.08946, 1.08024, 1.02095, 1.01811, 1.04408, 1.0275, 1.01377, 1.04528, 1.0508, 1.04702, 1.04769, 1.05926, 1.00749, 1.0844, 1.04394, 1.04983, 1.0448, 1.02816, 1.}

P₉ : {1.05704, 1.01658, 1.05556, 1.06645, 1.08371, 0., 1.06803, 1.08332, 1.07747, 1.06933, 1.125, 1.09498, 1.12418, 1.1311, 1.15738, 1.10124, 1.36064, 1.17478, 1.14457, 1.0885, 1.2372, 1.17664, 1.15513, 1.09629, 1.17303, 1.09595, 1.14682, 1.17865, 1.15487, 1.0996, 1.21016, 1.05454, 1.05308, 1.10343, 1.03279, 1.05617, 1.03411, 1.06329, 1.11429, 1.1744, 1.08946, 1.08025, 1.02095, 1.01811, 1.04409, 1.0275, 1.01378, 1.04529, 1.0508, 1.04703, 1.0477, 1.05926, 1.00749, 1.08441, 1.04394, 1.04984, 1.04481, 1.02816, 1.}

P₁₀ : {1.05704, 1.01658, 1.05556, 1.06645, 1.08371, 0., 1.06803, 1.08332, 1.07747, 1.06934, 1.125, 1.09498, 1.12419, 1.1311, 1.15738, 1.10124, 1.36064, 1.17478, 1.14457, 1.0885, 1.23721, 1.17664, 1.15514, 1.09629, 1.17304, 1.09595, 1.14683, 1.17866, 1.15488, 1.09961, 1.21017, 1.05455, 1.05308, 1.10344, 1.03279, 1.05617, 1.03412, 1.0633, 1.11429, 1.1744, 1.08946, 1.08025, 1.02095, 1.01811, 1.0441, 1.0275, 1.01378, 1.04529, 1.0508, 1.04703, 1.0477, 1.05926, 1.0075, 1.08441, 1.04394, 1.04984, 1.04481, 1.02817, 1.}

P₁₁ : {1.05704, 1.01658, 1.05556, 1.06645, 1.08371, 0., 1.06803, 1.08332, 1.07747, 1.06934, 1.125, 1.09498, 1.12419, 1.1311, 1.15738, 1.10124, 1.36064, 1.17478, 1.14457, 1.0885, 1.23721, 1.17664, 1.15514, 1.09629, 1.17304, 1.09595, 1.14683, 1.17866, 1.15488, 1.09961, 1.21017, 1.05455, 1.05308, 1.10344, 1.03279, 1.05617, 1.03412, 1.0633, 1.11429, 1.1744, 1.08946, 1.08025, 1.02095, 1.01811, 1.0441, 1.02751, 1.01378, 1.04529, 1.0508, 1.04703, 1.0477, 1.05926, 1.0075, 1.08441, 1.04394, 1.04984, 1.04481, 1.02817, 1.}

P₁₂ : {1.05704, 1.01658, 1.05556, 1.06645, 1.08371, 0., 1.06803, 1.08332, 1.07747, 1.06934, 1.125, 1.09498, 1.12419, 1.1311, 1.15738, 1.10124, 1.36064, 1.17478, 1.14457, 1.0885, 1.23721, 1.17665, 1.15514, 1.09629, 1.17304, 1.09595, 1.14683, 1.17866, 1.15488, 1.09961, 1.21017, 1.05455, 1.05308, 1.10344, 1.03279, 1.05617, 1.03412, 1.0633, 1.11429, 1.1744, 1.08946, 1.08025, 1.02095, 1.01811, 1.0441, 1.02751, 1.01378, 1.04529, 1.0508, 1.04703, 1.0477, 1.05926, 1.0075, 1.08441, 1.04394, 1.04984, 1.04481, 1.02817, 1.}

P₁₃ : {1.05704, 1.01658, 1.05556, 1.06645, 1.08371, 0., 1.06803, 1.08332, 1.07747, 1.06934, 1.125, 1.09498, 1.12419, 1.1311, 1.15738, 1.10124, 1.36064, 1.17478, 1.14457, 1.0885, 1.23721, 1.17665, 1.15514, 1.09629, 1.17304, 1.09595, 1.14683, 1.17866, 1.15488, 1.09961, 1.21017, 1.05455, 1.05308, 1.10344, 1.03279, 1.05617, 1.03412, 1.0633, 1.11429, 1.1744,

1.08946, 1.08025, 1.02095, 1.01811, 1.0441, 1.02751, 1.01378, 1.04529, 1.0508, 1.04703, 1.0477, 1.05926, 1.0075, 1.08441, 1.04394, 1.04984, 1.04481, 1.02817, 1.}

Παράρτημα Γ

Γ.1 Μήτρας αθροίσματος εγχώριας παραγωγής M1 και προστιθέμενης αξίας K

{

1^η γραμμή {0.751849,0.0479968,0.00178314,0,0,0,0,0.242143,0.154528,0.0454443,0.00231927,1.44139×10⁻⁶,0.000110278,0.00487196,3.81138×10⁻⁶,4.70491×10⁻⁶,0.00136019,0.0143041,0.0000153493,1.70581×10⁻⁶,0.0000584937,0.000709849,0,5.5561 4×10⁻⁷,0,0.0000249068,9.31595×10⁻⁷,0.0000860373,0.00712094,0,1.78166×10⁻⁷,0,2. 52851×10⁻¹⁰,0,0.00362042,0.0000405241,0.0170201,0.000994978,0.00125698,0,0.00225488,0.000032537,0,0.0000475993,0,0.0012346,0.00677324,0,0,3.21796×10⁻⁷,0,0.0000430505,0.000102371,0,0.00110853,0.000145587,0.000654146,0},

2^η γραμμή {0,0.821102,0,0.00225409,0.000656274,0,0.000763113,0.000593696,0.000864871,0.0000640987,0.000111645,0.000493719,0.000158074,0.0582043,0.000322324,0.000519594,7.87492×10⁻⁷,0.00109403,0.000171659,0.000143867,0.000215232,0.000241797,0.0000802846,0.000053278,0.0000283087,0.0000297935,0.0000808958,0.0000279743,0.000117457,0.000860579,0.000676657,1.03104×10⁻⁶,0,1.12583×10⁻⁶,5.53174×10⁻⁸,0.0000698941,1.21173×10⁻⁶,0.000493253,0.0000198301,0,0,0.000048366,8.15998×10⁻⁷,0,0,0,0.0000282258,0.000137414,0,0,0.0000829951,0,0.0199044,1.05582×10⁻⁸,0,0.00013624,4.42678×10⁻⁶,5.98175×10⁻⁶,0}

3^η γραμμή {0,0,0.767053,0,0,0,0,0.000720648,0,0.0000100064,0,4.52091×10⁻⁹,0.00002471,0.0000119979,5.44569×10⁻⁹,0,2.56219×10⁻⁶,0.0000673299,1.78768×10⁻⁷,1.31063×10⁻⁷,7.81953×10⁻⁶,4.64736×10⁻⁶,0,1.48637×10⁻⁷,0,6.21022×10⁻⁶,2.49219×10⁻⁷,0.0000169048,0.00187533,0,0,0,6.69084×10⁻¹²,0,0.0000134382,8.20118×10⁻⁶,0.0032877,3.66879×10⁻⁶,0.000246974,0,0.0000378947,6.29955×10⁻⁶,0,9.35018×10⁻⁶,0,0.0000203341,0.0000560838,0,0,8.34342×10⁻⁹,0,0,3.73481×10⁻⁶,0,0.0000531242,0.0000280399,0.0000398698,0}

4^η γραμμή {0,0,0,0.625559,0,0,0,0,0.000115405,0,5.95099×10⁻⁷,0,0,4.95312×10⁻⁷,1.85205×10⁻⁶,0,4.05305×10⁻⁶,5.07463×10⁻⁶,0.0000591297,0.000963926,0.0041171,0.000223227,0.0000312448,0,0,0,0,5.68028×10⁻⁷,0,0.000285223,0.114764,0,1.53731×10⁻⁶,0,6.88541×10⁻⁶,0,0,4.4903×10⁻⁶,0,0,0.0000101299,0,0,0,0,0.000467287,0.00457597,0,0,1.09201×10⁻⁹,0,0,0,0,0,3.01696×10⁻⁷,0,0},

56,0.000285066,0.00217665,0.00799857,0.0040293,0.0000614411,0.000205583,0,0.000163
923,7.38216 $\times 10^{-6}$,0,7.78287 $\times 10^{-6}$,0,0.00029282,0.000458982,5.6382 $\times 10^{-6}$,3.2 4442 $\times 10^{-7}$,0.000142638,0,0.0000132301,0.0000433325,1.50435 $\times 10^{-7}$,0.0000512824,
0.000253759,0.000106469,0},

12^η γραμμή {2.87704 $\times 10^{-8}$,0,7.84762 $\times 10^{-6}$,0,0,0,0,0,6.38761 $\times 10^{-7}$,8.12125 $\times 10^{-7}$,0.00
0168037,0.535575,0,5.15204 $\times 10^{-6}$,0,0.0000443113,1.98755 $\times 10^{-8}$,1.56701 $\times 10^{-7}$,0,0,3.
70574 $\times 10^{-6}$,0,6.3585 $\times 10^{-7}$,4.78142 $\times 10^{-6}$,0,8.97945 $\times 10^{-6}$,3.77789 $\times 10^{-6}$,0,0.000017083
3,6.10281 $\times 10^{-9}$,5.2825 $\times 10^{-6}$,0.0000511212,0.00246023,9.94092 $\times 10^{-7}$,0.000041558,0.
000284578,0.000135483,0.000481097,0.0000112658,0.00023819,0.000456581,0.000067122
8,1.7936 $\times 10^{-6}$,0.000059246,9.07021 $\times 10^{-6}$,3.75389 $\times 10^{-6}$,0.0000314744,0.0000
916048,0.0000154144,0.0000546205,0.000328205,0.000798915,0.0000873772,0.000357086
,0.00920161,0.0000713177,0.000498173,0.000109237,0},

13^η γραμμή {0.0000342006,0.0000129054,0,0,0,0,0,9.23982 $\times 10^{-7}$,0,9.08857 $\times 10^{-6}$,0
.00125951,0.491543,8.93126 $\times 10^{-6}$,4.37838 $\times 10^{-6}$,0.000246768,5.39064 $\times 10^{-9}$,0.00003
20378,7.0738 $\times 10^{-7}$,8.49718 $\times 10^{-9}$,3.86402 $\times 10^{-8}$,2.39834 $\times 10^{-7}$,5.17571 $\times 10^{-6}$,0,2.29148 $\times 10^{-9}$,
2.81922 $\times 10^{-10}$,0.0000287628,0.00010943,1.81708 $\times 10^{-6}$,0.0000289845,2.16076 $\times 10^{-10}$,
3.74865 $\times 10^{-6}$,0,8.96396 $\times 10^{-10}$,6.19348 $\times 10^{-6}$,0.0000226363,2.25803 $\times 10^{-6}$,5.68 894 $\times 10^{-9}$,
5.86456 $\times 10^{-6}$,0.0000265471,0,0.0000126937,9.25197 $\times 10^{-8}$,0,1.00924 $\times 10^{-6}$, 0,6.62406 $\times 10^{-6}$,
0.0000372595,7.44464 $\times 10^{-7}$,5.23115 $\times 10^{-6}$,0.0000870414,0,5.84328 $\times 10^{-7}$,0.0000556314,
2.26207 $\times 10^{-8}$,0.0000105775,0.0000743,0.0000322867,0},

14^η γραμμή {0,0,0.00248155,0,0,0,0.000109042,0.000596532,0.00392726,0.0049610
7,0.00146067,0.000399023,0.000634785,0.421806,0.00112919,0.00018221,0.0000497631,0.
0071397,0.00160061,0.00103865,0.000133858,0.00122214,0.00152745,0.0000446012,0.001
3352,0.0000937716,0.00178802,0.000436711,0.000393449,0.0932504,0.0000311344,0.0001
92276,0,0.00207063,7.16181 $\times 10^{-7}$,0.000392637,0.0000861559
,0.0104482,0.000114418,0.000117595,0.0000259308,0.000580082,0.0000285095,1.19668 $\times 10^{-7}$,
0.0000263604,9.09752 $\times 10^{-7}$,0.000181524,0.000846289,0.0000141118,7.1 8502 $\times 10^{-6}$,
0.000766942,0,0,8.1958 $\times 10^{-6}$,8.19256 $\times 10^{-8}$,1.21815 $\times 10^{-6}$,0.000538888,0. 00615371,0},

15^η γραμμή {0.0000410855,0.0000152371,0.00124633,0.00143871,0.000418878,0,0
.000487195,0.000574473,0.0023136,0.0119735,0.000629576,0.000500345,0.00256074,0.00
393917,0.432969,0.0568789,0.00211002,0.00408442,0.00242856,0.00104095,0.000566929,
0.000347771,0.000274675,0.000207915,0.000605595,0.000286402,0.000327047,0.0000546
818,0.000159089,0.000309767,0.00075867,0.0000270251,3.9786 $\times 10^{-6}$,
0.0000516296,0.00131802,0.00534799,0.00249746,0.00658527,0.000519839,
0.000397108,0.000803366,0.00197692,0.000786632,8.56795 $\times 10^{-6}$,0.00227136,0.001
32063,0.000355419,0.00109,0.0110538,0.000264072,0.00256773,0.000227878,4.2509 $\times 10^{-9}$,
0.0000244649,1.49079 $\times 10^{-7}$,0.00073469,0.00032891,0.000197135,0},

16^η γραμμή {6.72117×10⁻⁶,2.49353×10⁻⁶,0,0.00215161,0.000626436,0,0.000728417,0.000566703,0.00109271,0.00354036,0.000658693,0.000667213,0.000926315,0.000888521,0.000918441,0.492105,0.0000706363,0.00360384,0.000693545,0.00127515,0.000444864,0.000421317,0.000204223,0.000139055,0.000142116,0.000116845,0.000253167,0.0000524046,0.000345029,0.000222479,0.000974351,0.000172724,0.0000329817,0.00148036,0.0000591119,0.000873863,0.000358683,0.00236454,0.000866332,0.00195743,0.00311848,0.000361084,0.000136845,0.00391106,0.00324335,0.00313536,0.000116199,0.00884982,0.0293384,0.0273154,0.0152344,0.00332614,0.00317977,0.000755023,1.79745×10⁻⁶,0.0265892,0.00884746,0.00025294,0},

17^η γραμμή {0.0288899,0.0109879,0.0490683,0.0315049,0.0134243,0,0.0365384,0,0.595658,0.00619858,0.00422026,0.00319093,0.00123645,0.022144,0.0154719,0.00781165,0.00778559,0.198087,0.00459604,0.0061631,0.0182219,0.0166041,0.009492,0.00653756,0.00297634,0.00493255,0.0033769,0.00387186,0.0020865,0.00711841,0.00373695,0.0228749,0.0400483,0.0200958,0.0201881,0.000630885,0.0116553,0.00513783,0.00708867,0.0971068,0.0410395,0.0508519,0.0238443,0.00508311,0.00333739,0.00244668,0.00353057,0.000832525,0.00946631,0.00183996,0.00262091,0.00727824,0.00418974,0.000461776,0.0135122,0.019139,0.00844415,0.00295777,0.000597655,0},

18^η γραμμή {0.00685911,0.00259251,0.000133852,0.00751826,0.00218893,0,0.00720348,0.00513921,0.0025672,0.000304365,0.0141879,0.000576038,0.00457722,0.00707307,0.0112392,0.00563598,0.00414541,0.395831,0.0476702,0.00271626,0.00314078,0.0075651,0.00364144,0.00578601,0.0101339,0.00112503,0.029431,0.0458012,0.0020835,0.00419638,0.0016271,0.0000133644,0.000395287,0.000406432,0.00131398,0.00758909,0.00127721,0.00380071,0.000357881,0.000640223,0.0000857394,0.000572468,0.0000220377,0.000246939,0.000530078,0.0000394688,0.000495989,0.00147619,0,0.00145003,0.00156109,0.00158641,0.000185639,0.0213597,0.00316701,0.00214141,0.00255592,0.00131023,0},

19^η γραμμή {0.00113413,0.000427609,0.0000145139,0.00502974,0.0014644,0,0.00170472,0.00431378,0.00523842,0.00444553,0.00368695,0.00141295,0.0111612,0.00628148,0.00726657,0.00396037,0.0000446557,0.00483955,0.427159,0.00123383,0.000714705,0.00428601,0.00612446,0.0104343,0.00906726,0.00524282,0.00559897,0.00153177,0.000656107,0.00851983,0.00170636,0.000120568,0.000164862,0.0124715,0.000807635,0.00697246,0.00503933,0.00160131,0.00258203,0.000632572,0.00149084,0.00089262,0.0000281828,2.5814×10⁻⁷,0.0000284482,0.00007723,0.0003495,0.00296348,0.000378104,0.000144762,0.00041325,0,0.0000450757,0.000123589,0.0000132447,0.0000190692,0.000248815,0.00565518,0},

20^η γραμμή {4.69899×10⁻¹²,0,0,0,0,0,0.0034217,0.00427103,0.00068421,0.000340268,0.000544086,0.000979956,0.00081829,0.000132416,0.0000548232,0.00594219,0.00363288,0.511112,0.000897269,0.000963626,0.00522027,0.00216607,0.0107669,0.00034537,0.0229201,0.00228793,0.00238307,0.00202598,1.0109×10⁻⁶,0.0000752427,0.0000227736,0.0930066,3.65939×10⁻⁶,0.000441873,6.96843×10⁻⁶,0.00224006,0.0004815,0.00023952,0.000301187,0.000417793,4.54034×10⁻⁶,0,9.50664×10⁻⁶,3.61777×10⁻⁶

$10,0.000184428,0.00108063,0,0.0000501662,0.0000864132,0,0.000020284,0.0$
 $0206332,7.73626\times 10^{-6},0.0000224488,0.00112322,0.000162635,0\}$,

21^η γραμμή {0,0,0,0,0,0,0,0.00241998,0.00305653,0.0360606,0.000241834,0.00041
49,0.00196018,0.00112404,0.000872704,0.0000304618,0.00354499,0.0167822,0.00365495,
0.448564,0.170224,0.0579855,0.0214213,0.13015,0.0196921,0.0114136,0.03274,0.0660339,
0.00850832,0.217991,0.000157497,0.0000487553,0.0162976,0.00487219,0.00126271,6.100
 $19\times 10^{-6},2.80245\times 10^{-8},0.000400679,0.000135483,0,0.00083578$ 6,4.72174 $\times 10^{-$
 $7,0,5.12903\times 10^{-6},0,0.000506686,0.00263146,0,4.83479\times 10^{-8},2.7615\times 10^{-$
 $6,0,0.0000174033,8.2358\times 10^{-6},0.0000717337,7.24763\times 10^{-7},0.000740334,0,0\}$,

22^η γραμμή {0.000275527,0.00840853,0,0.00208464,0.000606938,0,0.000705745,0.0
00549064,0.00858915,0.0104144,0.0108251,0.00227982,0.00638297,0.00377272,0.0044690
4,0.00533869,0.000103582,0.0108324,0.0103621,0.00304528,0.0039552,0.373802,0.008674
8,0.00907322,0.0141987,0.00284644,0.00191381,0.00236369,0.0136269,0.00632955,0.0033
701,0.000850304,0.00181241,0.0610846,0.000224609,0.000517738,0.000142383,0.0032863
4,0.000735916,0.00300853,0.0000921327,0.000452338,0.00005166,3.95443 $\times 10^{-$
 $7,0.000114798,0.0000131254,0.000267448,0.00098621,0.0$
0113179,0.0000477343,0.00362875,0.000968073,0.0157162,0.000105644,0.0114195,0.0009
45797,0.000601249,0.000480073,0},

23^η γραμμή {0.000920221,0.00034724,0,0.00428098,0.0151258,0,0.00459097,0.0054
008,0.000377621,0.000506621,0.000756872,0.000387695,0.000401879,0.00187813,0.00071
0518,0.00154499,0.0000520177,0.000621944,0.00102273,0.00269935,0.000971087,0.00123
307,0.459576,0.0000319025,0.000662608,0.000337315,0.000192727,0.00108971,0.0025580
9,0.000406793,0.00143976,0.00160221,0.00700188,0.00096938,0.0000578886,0.000103139
,8.66252 $\times 10^{-6},0.000307972,0.000318268,0.00018366$
2,0.00102688,0.000409112,0.0000823492,8.98447 $\times 10^{-7},8.97134\times 10^{-6},2.9617\times 10^{-11},0$
.000120543,0.000697318,0.0000246104,8.04161 $\times 10^{-6},0.00027828,0.00829484,7.514$ 87 $\times 10^{-$
 $6,5.1975\times 10^{-6},0.00207953,0.000353763,0.0000512822,0.0000668162,0\}$,

24^η γραμμή {0,0,0,0,0,0,0,0.0000188635,0.0000288454,0.0000382102,0.000022066
5,0.0000228746,0.0000314026,0.0000389734,0.0000648778,2.96129 $\times 10^{-6},0.000029$
3077,0.0000431963,0.000146136,0.0000514542,0.0000313214,5.66632 $\times 10^{-6},0.5288$
82,3.45209 $\times 10^{-6},2.91111\times 10^{-6},2.26386\times 10^{-6},8.30989\times 10^{-6},0.0000169426,0.0000209$
129,0.0000355113,4.19672 $\times 10^{-7},5.19016\times 10^{-8},3.04875\times 10^{-6},1.6105\times 10^{-8},1.419\times 10^{-6}$
,2.92637 $\times 10^{-7},0.0000246776,0.0000310972,0.0000130521,0.0000384746,0.0000267$
527,7.07268 $\times 10^{-6},7.73019\times 10^{-8},6.88916\times 10^{-7},0.000118898,1.19136\times 10^{-6},0.0001618$
38,0.000650607,0.0000406196,6.06672 $\times 10^{-6},0.0000511108,0.000032619,1.22041\times 10^{-$
 $6,8.3772\times 10^{-9},0.0000337612,9.2542\times 10^{-6},0.0000109658,0\}$,

25^η γραμμή {5.50062 $\times 10^{-10},0,0,0.00225272,0.000655874,0,0.000762648,0.00059333$
4,0.000470183,0.000718888,0.00103606,0.000549943,0.000570118,0.000801171,0.0009746

4,0.00154847,0.0000738016,0.000782898,0.00153119,0.00369494,0.00129943,0.00132317,
0.00696046,0.000836166,0.393463,0.00122621,0.000653619,0.00201598,0.00186751,0.000
699879,0.0210129,0.00253235,0.0111734,0.0184678,1.38727×10⁻
6,0.000122807,0.000100195,0.000874957,0.00166282,0.000607475,0.00619523,0.0
0163398,0.000254466,2.77615×10⁻⁶,0.0000330105,7.59263×10⁻⁸,0.0000553088,0.00
0491166,0.00177299,0.0000903983,0.000254684,0,0.0000708677,0.000106038,3.32491×10⁻
7,0.000042381,0.00279945,0.0000560979,0},

26^η γραμμή {8.7391×10⁻⁹,0,0,0,0,0,0,4.69488×10⁻⁸,0,2.48317×10⁻⁶,0,0,1.96319×10⁻
6,0,0.0000421325,0,2.43588×10⁻⁶,6.24523×10⁻⁶,2.63082×10⁻⁶,6.07595×10⁻⁷,0.000042
3772,0.000564307,0.0246186,0.00104088,0.566877,0.000149955,0.000034044,1.33699×10⁻
6,0.000148809,0.0000313507,0.0000183935,0.0000105934,0.000797435,0,0.0
00121657,0.00153243,0.000030551,0.0000626361,0.0000187598,0.0000292441,0.00008830
35,0.00378426,0.0000418701,1.14602×10⁻⁶,2.49891×10⁻⁸,0.0000483098,0.00
0131291,0.00069881,0.0000509617,0.000873552,0,3.49006×10⁻⁹,4.31833×10⁻⁶,1.479
91×10⁻⁷,9.73073×10⁻⁷,0.000792441,8.70804×10⁻⁶,0},

27^η γραμμή {0,0,0,0,0,0,0,2.01127×10⁻⁹,0,2.44727×10⁻⁶,0,1.12237×10⁻⁹,1.3792×10⁻
7,1.07496×10⁻⁷,0.0000739839,0, 1.08226×10⁻⁶, 0.0000105941,1.31186×10⁻⁶,5.80443 ×10⁻
7,0.0000170117,0.00035391,3.28987×10⁻⁷,0.0000478816,0.000136231,0.469202,
0.0000265375,0.00108126,7.98745×10⁻⁶,0.0000530039,0.0000171502,0.0000108413
,0.0000861478,1.09759×10⁻⁷,0.0000122172,9.37097×10⁻⁷,0.0000393795,0.00001359
37,0.0000311466,0.00155927,0.000145384,0.0000236984,2.60293×10⁻⁷,1.55974×10⁻
6,2.65193×10⁻¹⁰,0.0000199033,0.000023933,0.0000327364,0.00117325,0.00018024,0
.00108151,2.44759×10⁻⁶,0.0100837,4.12932×10⁻⁷,0.0000155731,0.000222299,3.1349 5×10⁻
6,0},

28^η γραμμή {0,1.69421×10⁻⁶,0,0.0000301944,0.000135001,0,0.0000323807,0.000053
3836,0.0000804898,0.0000468235,0.0000404066,0.0000700337,0.0000506772,0.000106116
,0.0000604957,0.000195982,4.8358×10⁻⁸,0.0000720172,0.000139607,0.0004
39286,0.0000106721,0.0000910283,0.0000573867,0.0000566015,0.000458147,9.06809×10⁻
6,0.0000569227,0.380712,0.0000230567,0.0000948528,0.000163566,2.16325 ×10⁻
8,0.000280821,2.16353×10⁻⁶,0.00164203,4.11624×10⁻⁶,2.87886×10⁻⁷,5.13253×1 0⁻
8,0.000241276,1.79384×10⁻⁶,0.000202964,0.0000889289,6.83762×10⁻⁶,7.55865×1 0⁻
8,5.6996×10⁻⁷,8.57761×10⁻¹³,0.0000303911,0.000317419,2.00886×10⁻⁷,2.21422×1 0⁻
7,0.0000404241,0.00122929,6.09596×10⁻⁶,7.86984×10⁻⁶,0.00115362,0.00039346,0.
0000349303,5.73171×10⁻⁷,0},

29^η γραμμή {0,0,0.00435244,0.000673847,0.00301281,0,0.00072264,0.00119136,0,0,
0,0,0,0,1.2834×10⁻⁸,0.000171721,8.08677×10⁻⁸,0,0,4.10363×10⁻⁷,0.0000199327,0.0
000179371,0,0,0.00278357,0,0.00207261,0.44858,3.80972×10⁻⁸,0.000142796,0,0,0.0
000808132,0.000716859,2.26374×10⁻⁶,0.0000166553,2.92628×10⁻⁶,0.000397285,0.0
13133,0.00763283,0.000899503,0.0000655415,2.18762×10⁻⁷,0.00049854,0,0.000012

33762,0.0687046,0.00140676,0.000510931,0.0147546,0.0108989,0.0167598,0.0024788,0.00678151,0.0000632726,0.0464912,0.0174381,0.000283117,0},

35^η γραμμή {0.00771073,0.00618668,0.00667225,0.0120356,0.0415916,0,0.0122575,0.0194254,0.0154257,0.0100863,0.0112609,0.0122896,0.0121209,0.0173394,0.012915,0.00975646,0.00563621,0.0159184,0.013232,0.0150725,0.00496921,0.00726848,0.00668504,0.0112855,0.0100597,0.0109694,0.0138678,0.012408,0.00470478,0.0121709,0.0128386,0.00271146,0.00364717,0.0112307,0.703213,0.0163986,0.0105593,0.00983879,0.0393023,0.00356951,0.00352929,0.00595914,0.00163032,0.000467601,0.000631973,0.00188153,0.00101857,0.037776,0.00683226,0.00249249,0.0067696,0.0151183,0.00150393,0.00728083,0.00354726,0.00385586,0.00245885,0.00135911,0},

36^η γραμμή {0.0423082,0.033954,0.036619,0.0185273,0.0157375,0,0.0163988,0.0258853,0.0780975,0.0513823,0.0587595,0.0615373,0.0625329,0.0849865,0.066118,0.0397874,0.0309221,0.0816724,0.0618066,0.0481657,0.0251446,0.0337047,0.0324937,0.0557897,0.0530622,0.0564733,0.0705082,0.0670968,0.0248042,0.0593432,0.0461798,0.0142858,0.0183487,0.0533343,0.0103418,0.670437,0.0119838,0.050308,0.0218825,0.01536,0.0193696,0.00966771,0.00785113,0.00255441,0.00320043,0.00282294,0.00214091,0.0137251,0.0197839,0.0121875,0.0119796,0.0166769,0.00824602,0.0393349,0.0193312,0.0153424,0.011351,0.0530882,0},

37^η γραμμή {0.0310276,0.0249009,0.0268553,0.0135757,0.0115117,0,0.0119441,0.0165415,0.0572744,0.0376822,0.0430925,0.0451296,0.0458598,0.0623266,0.048489,0.029365,0.0226773,0.0598961,0.0453271,0.0353233,0.0184403,0.024718,0.0238299,0.0409145,0.0389143,0.0414158,0.0517086,0.0492068,0.018191,0.0435205,0.033761,0.0104768,0.0134564,0.0391169,0.00758439,0.0116143,0.72173,0.0368944,0.016048,0.011269,0.0142051,0.00709234,0.0057578,0.00187333,0.00234727,0.00207026,0.00159843,0.0102884,0.0146479,0.00911132,0.0090508,0.0154703,0.00604769,0.0288524,0.0141769,0.0112581,0.00832634,0.00402555,0},

38^η γραμμή {3.63092×10⁻⁸,0.000017905,0,0.0000341829,0.000784529,0,0.000105959,0.0000979182,0.000460622,0.000855669,0.000762568,0.00144801,0.000929893,0.000546548,0.000631738,0.000694995,0.0000919469,0.00110208,0.000792247,0.000642855,0.000516011,0.0011319,0.000983814,0.00254571,0.000750841,0.00242486,0.000531773,0.00046396,0.00194603,0.000594079,0.000570151,0.000107258,0.0000760857,0.000030357,1.11978×10⁻⁶,0.000298447,0.000185189,0.578159,0.000592626,0.0117357,0.0357455,0.0268472,0.0000426731,0.000356008,0.0232783,0.0268522,0.000132578,0.00281076,0.00363401,0.00851474,0.00946663,0.00173852,0.0000124426,0.000594948,3.9422×10⁻⁶,0.0150412,0.00552648,0.0596722,0},

39^η γραμμή {0.00253777,0.00100604,0.00361218,0.00471576,0.0885141,0,0.0718499,0.0302074,0.00177492,0.00279081,0.00301366,0.00476115,0.00287412,0.0029391,0.0024432,0.00304458,0.000284993,0.00689915,0.00253118,0.00212628,0.00245708,0.00368521,0.00318232,0.00884657,0.00228594,0.00944738,0.00252326,0.00146963,0.00357019,0.001

83697,0.0082735,0.00169074,1.01716×10⁻⁶,0.00344055,0.004
21491,0.048472,0.0220032,0.0000130611,0.524235,0.00350115,0.000280017,0.0221083,0.0
000746812,0.00310278,0.000375311,0.00123801,0.00170778,0.00813617,0.00111964,0.008
32422,0.00213426,0.00344095,0.000555195,0.000890408,0.0000331778,0.00649479,0.0024
3193,0.0115237,0},

40^η γραμμή {3.77477×10⁻⁷,0,0.00441523,0,0,0,0,8.41026×10⁻⁶,0.0000107048,0,0.0
000148018,0,0.0000679104,0,0.0000388807,2.61984×10⁻⁷,2.05954×10⁻⁶,0,0,0.00004
88418,0,8.37168×10⁻⁶,0.0000630251,0,0.000118324,0.0000497974,0,0.00151496,8.0
4426×10⁻⁸,0.0000778054,7.35289×10⁻⁶,1.17581×10⁻⁷,0.0000322744,0.000120332,0.0
0273912,0.00151072,7.42794×10⁻⁶,0.0112469,0.453998,0,0.00481056,0.0000773461
,2.31927×10⁻⁹,0.000907485,0.0000133815,0.000104069,0.00044966,0.000124136,0.
00445174,0.00091174,0.00070702,5.65344×10⁻⁶,0.000087158,1.67641×10⁻⁶,2.2348 ×10<sup>-
6</sup>,0.000535377,2.36126×10⁻⁶,0},

41^η γραμμή {2.55628×10⁻⁷,0,0,0,0,0,0,0.00042833,0.000792785,0.00070091,0.0013
3965,0.000854705,0.000542337,0.000580658,0.00114671,0.0000846666,0.00101418,0.0007
28189,0.000590876,0.000503043,0.00104038,0.000909196,0.00237698,0.00069013,0.00229
846,0.000518093,0.000426446,0.00106805,0.000546091,0.000553532,0.000385488,3.48329
×10⁻⁶,0.000152358,0.0000317518,0.00188722,0.00107064,0.0
00183843,0.000183221,0.00104437,0.593424,0.0110547,0.00121654,0.000832723,0.000179
466,0.000794366,0.000182152,0.00147101,0.00197779,0.00109524,0.00493691,0.0108786,
4.35887×10⁻⁶,8.24106×10⁻⁶,5.92929×10⁻⁷,0.00403281,0.00122482,0.00 0187742,0},

42^η γραμμή {2.52984×10⁻⁶,8.63885×10⁻⁷,0.00123003,0,0,0,0,0.00035657,0.00043360
5,6.7253×10⁻⁶,0.0000816181,0.000112095,0.0000147365,0.000274827,0.000325269,
0.000191898,0.00031402,0.000197788,0.0000888097,0.0000928812,0.0000423693,0.00015
26,0.000134632,0.0000548525,0.0000302794,0.0000942393,0.000105404,0.0000482699,0.0
0502402,0.0000752784,0.0000759254,5.27103×10⁻⁶,1.39974×10⁻⁷,0.0 0509276,1.70315×10<sup>-
6</sup>,0.00176817,0.00164326,0.00132923,0.0241698,0.0730753,0.
011699,0.604587,0.00227595,0.000158439,0.00291432,9.21942×10⁻⁶,0.0000957091
,0.00129082,0.00226409,0.00073546,0.000345544,0,1.493×10⁻⁹,0.0019676,5.10165 ×10<sup>-
7</sup>,6.28489×10⁻⁷,0.000572102,0.0000273573,0},

43^η γραμμή {0.0000252598,7.83799×10⁻⁶,0.00196291,0.000126379,0.00272468,0,0.0
0146093,0.00385207,0.00252339,0.00149417,0.00446469,0.0069452,0.00567704,0.0054335
6,0.00454232,0.0184426,0.000296077,0.0042495,0.00480743,0.00443075,0.00185888,0.005
52992,0.00474523,0.0104603,0.00372185,0.00742367,0.00673539,0.00175817,0.00292933,
0.00505473,0.0038084,0.00776156,0.00173266,0.00448037,0.00829482,0.0327905,0.02407
82,0.0102221,0.00638907,0.00818352,0.0141495,0.0207683,0.888134,0.0276694,0.0403877
,0.037282,0.00174538,0.0268526,0.0576091,0.0145112,0.0397816,0.0119564,0.000440748,
0.00266249,0.0000261998,0.0155333,0.0129575,0.00146262,0},

44^η γραμμή {0.0229269,0.0224798,0.0180203,0.0167046,0.0164257,0,0.0262058,0,0
184203,0.0159038,0.0144962,0.0165871,0.0154531,0.0161636,0.0171594,0.0166253,0.0222
876,0.0166855,0.0163904,0.0161907,0.0161922,0.0170883,0.0185509,0.0141445,0.0169279
,0.0161388,0.0174393,0.0160867,0.00943409,0.0151204,0.0124811,0.0175925,0.0214283,0.
00731498,0.0102649,0.0286018,0.0409924,0.0367343,0.0118233,0.01763,0.00227542,0.019
7258,0.0163419,0.0156006,0.810464,0.0246545,0.0327704,0.0156727,0.0165571,0.0126526
,0.0212621,0.0342407,0.0247062,0.0036092,0.00687767,0.00221526,0.0367892,0.0203564,
0.0156952,0},

45^η γραμμή {0.000475101,0.000179168,0.00147721,0.0000517043,0.0144715,0,0.00
170258,0.00197104,0.00144198,0.00299654,0.00432351,0.00225555,0.00188502,0.0026453
8,0.0028437,0.00290282,0.00107422,0.00225541,0.0030393,0.00236376,0.00158396,0.0020
2474,0.00197081,0.000951447,0.00197328,0.00147436,0.0012314,0.000716733,0.00351161
,0.00225475,0.00110626,0.0000179819,0.0000358554,0.00168667,0.000294012,0.0021877,
0.00165624,0.000283147,0.00990375,0.0150793,0.0034458,0.00219287,0.000108591,0.001
9902,0.470928,0.00192931,0.00018048,0.00242087,0.000129971,0.000498395,0.000682642
,0.000496586,0.000158766,0.0000360563,1.70036×10⁻⁶,
0.000809005,0.000722559,0.0000347976,0},

46^η γραμμή {0.0000800743,0.0000300871,0,0,0,0,0,9.57464×10⁻⁶,9.46769×10⁻⁶,0,0
.0000130912,0,0.0000600622,0,5.44438×10⁻⁹,2.31707×10⁻⁷,1.84429×10⁻⁶,0,0,0.0000
432145,0,7.44088×10⁻⁶,0.0000557415,0,0.000104788,0.0000440424,0,0.0000507921
,7.11461×10⁻⁸,0.0000616057,0.0000206976,3.30979×10⁻⁷,0.00088591,0.0042126,0,0
0247956,0.00241906,0.000303912,0.0000406806,0.000709463,0.00130635,0.00010045,0.00
0635402,0.000162952,0.147681,0.710635,0.000495444,0.00017005,5.41025×10⁻⁶,
4.2175×10⁻⁶,0.00388409,0,0,3.73391×10⁻⁶,2.73987×10⁻⁸,0.0145826,0.000260801
,0.0001138,0},

47^η γραμμή {4.3616×10⁻⁷,0,0.000479261,0.00538428,0.00271689,0,0.0297727,0.025
2978,0.00496731,0.0189648,0.0192045,0.0333522,0.0194577,0.0259818,0.0305279,0.03456
65,0.0109561,0.00602762,0.0189702,0.0152296,0.00415081,0.0221539,0.0205363,0.009435
4,0.0121938,0.0102276,0.00975131,0.0045971,0.00428797,0.0247207,0.00447207,0.004014
74,0.00455654,0.0138992,0.0958611,0.00426394,0.0609491,0.0117227,0.00900795,0.00284
236,0.0168066,0.0193739,0.0145762,0.00967716,0.0474435,0.0362283,0.884735,0.0759663
,0.0500332,0.0149019,0.0483169,0.0112615,0.000919019,0.010711,0.0162453,0.193084,0,0
352996,0.021886,0},

48^η γραμμή {0.000560759,0.000211599,0,0.0011675,9.31427×10⁻⁶,0,0.001963,0.005
67362,0.0000147719,0,0,0,0,0,2.10963×10⁻⁷,0,0,0,0,0,0,0,0,0,0.000865157,0,
0.000443684,0.00416824,0.030981,0.00111605,0,2.74379×10⁻⁶,0.0000178341,0.000
510791,0.015057,0.0114245,0.0487396,0.0209522,0.0000706239,0.0105949,0.00337474,0,0
00800883,0.0000646197,0.603875,0.00167715,0.0025477,0.00532674,0,0.000202514,0.000
144685,0.0116341,0.00353133,0.0168102,0.0000355183,0},

$10,0.,0.00930731,0.000116302,0.0350855,0.00155958,0.00202136,0.,0.00$
 $459067,0.000106452,0.,0.0000741183,0.,0.00202604,0.0137151,0.,0.,5.80278\times 10^{-7},$
 $0.,0.000298997,0.000256611,0.,0.00150443,0.000279941,0.00258787,0.},$

2^η γραμμή { $0.,0.650241,0.,0.00487389,0.00127853, 0.,0.00146864,0.00105251,0.001$
 $29595,0.000102989,0.000154868,0.000853638,0.000232068,0.0704875,0.000421297,0.0008$
 $74147,8.66304\times 10^{-7},0.00146849,0.000256271,0.000218961,0.000241358,0.0$
 $00325325,0.000125712,0.0000922104,0.0000390943,0.0000542917,0.000130362,0.0000402$
 $558,0.000180963,0.00155538,0.000818432,2.04873\times 10^{-6},0.,1.79982\times 10^{-6},1.6 2854\times 10^{-$
 $7,0.000179683,3.4776\times 10^{-6},0.0010168,0.0000310826,0.,0.,0.0000984675,2. 66971\times 10^{-$
 $6,0.,0.,0.,0.00004632,0.000278247,0.,0.,0.000149661,0.,0.138241,2.64661 \times 10^{-$
 $8,0.,0.000184898,8.51198\times 10^{-6},0.0000236644,0.},$

3^η γραμμή { $0.,0.,0.401179,0.,0.,0.,0.,0.00107984,0.,0.0000138802,0.,6.63715\times 10^{-9}$
 $,0.0000299247,0.000015682,9.16164\times 10^{-9},0.,3.43917\times 10^{-6},0.000100517,2.72079\times 1 0^{-$
 $7,1.46973\times 10^{-7},0.0000105208,7.27696\times 10^{-6},0.,2.05267\times 10^{-7},0.,0.0000100077,3.58 634\times 10^{-$
 $7,0.0000260447,0.0033894,0.,0.,0.,1.06965\times 10^{-11},0.,0.0000345467,0.000023$
 $5371,0.00677731,5.75066\times 10^{-6},0.000397162,0.,0.0000771493,0.0000206103,0.,0.00$
 $00145595,0.,0.0000333693,0.000113564,0.,0.,1.50453\times 10^{-8},0.,0.,9.36198\times 10^{-6},0.,0.$
 $0000720975,0.0000539161,0.000157729,0.},$

4^η γραμμή { $0.,0.,0.,0.190371,0.,0.,0.,0.,0.000172928,0.,8.25487\times 10^{-7},0.,0.,5.99841\times 1 0^{-$
 $7,2.42074\times 10^{-6},0.,4.45868\times 10^{-6},6.81156\times 10^{-6},0.0000882749,0.00146706,0.0046168$
 $6,0.000300341,0.0000489237,0.,0.,0.,0.,8.75143\times 10^{-7},0.,0.000344983,0.228042,0.,$
 $2.45765\times 10^{-6},0.,0.0000177009,0.,0.,7.03834\times 10^{-6},0.,0.,0.0000206232,0.,0.,0.,0.00$
 $0766843,0.00926584,0.,0.,1.96916\times 10^{-9},0.,0.,0.,0.,0.,5.80112\times 10^{-7},0.,0.},$

5^η γραμμή { $0.,0.,0.,0.,0.175286,0.,0.,0.,0.000012635,0.0000117445,0.000101326,0.0$
 $000866618,0.0000231545,0.0000185819,0.000017831,0.0000167182,0.00323809,0.0000541$
 $482,0.0000268991,0.0000301128,0.000110252,0.0000522667,0.000222643,0.0000358941,0.$
 $000110811,0.00013224,0.0000111847,0.000270054,0.000563235,0.0000395279,0.,0.000091$
 $3376,0.,0.,1.09451\times 10^{-6},0.0000594271,4.35679\times 10^{-8},0.,2.3444 2\times 10^{-6},0.,0 .,6.4206\times 10^{-$
 $6,0.,0.,0.,0.,3.14362\times 10^{-6},0.0000238048,0.,0.,0.,0.,0.,0.,0.,0.,0.,0.,0.},$

6^η γραμμή { $0.,$
 $0.,$

7^η γραμμή { $0.,0.,0.,0.,0.,0.,0.298273,0.0000143308,7.01487\times 10^{-7},0.,6.16693\times 10^{-7},0.,$
 $2.19047\times 10^{-6},0.0000196659,0.0000251573,0.,1.19545\times 10^{-7},0.000869407,0.0003680$
 $62,0.000562186,0.0209913,0.00135639,0.000166222,0.,0.,0.,3.29676\times 10^{-6},0.,3.9803 7\times 10^{-$
 $6,1.5883\times 10^{-7},0.00032644,0.,0.,7.89342\times 10^{-7},0.,0.0000494951,0.,0.,0.0000236$
 $915,0.,0.,0.0000660175,0.,0.,0.,0.,0.0000292012,0.000203491,0.,0.,0.,0.,0.,0.,0.,0.,0.,0.,0.},$

8^η γραμμή {0.000670838,0.000210112,0.,0.,0.,0.,0.,0.25906,0.000338263,0.,0.000028475,5.81467×10⁻⁷,0.0000480456,0.000208083,0.00114385,5.10903×10⁻⁶,1.15128×10⁻⁶,0.00706284,0.00170612,0.159364,0.000314729,0.000268845,0.00146292,0.,0.0000320654,3.5287×10⁻⁸,0.0000247019,0.0000198314,1.80517×10⁻⁸,7.27554×10⁻⁶,0.00128242,7.92716×10⁻⁶,0.,0.0335855,7.16814×10⁻⁸,0.000619024,3.24862×10⁻⁶,0.00116276,0.000200654,0.,0.,0.000753229,3.05295×10⁻⁶,0.,0.,0.,0.000264501,0.00182807,0.,0.,9.91447×10⁻¹⁰,0.,9.15818×10⁻⁷,0.,0.,0.,8.70391×10⁻⁶,0.0000270615,0.},

9^η γραμμή {0.0459563,0.014394,0.0134348,0.,0.,0.,0.,0.113854,0.0000217412,0.0017776,0.0000351261,0.021654,0.0000894971,0.00360358,0.000207478,2.91825×10⁻⁶,0.00384714,0.00496519,0.00010992,5.63203×10⁻⁶,9.23798×10⁻⁶,0.000289432,3.84602×10⁻⁶,4.03×10⁻⁸,7.5919×10⁻⁶,0.0000183509,7.04103×10⁻⁸,0.000814806,0.000672889,2.97822×10⁻⁶,2.6945×10⁻⁶,0.,3.20062×10⁻⁶,2.67176×10⁻⁷,0.00263307,0.00058078,0.19123,0.000420675,0.0124252,0.,0.002907,0.000590186,0.,0.00103061,0.0000434796,0.00128134,0.00776896,0.,1.94151×10⁻⁶,0.0011305,0.00405618,0.00164304,0.0214988,0.00372158,0.00441638,0.00210102,0.00526132,0.},

10^η γραμμή {0.,0.,0.,0.,0.,0.,0.,0.,0.129576,0.,0.,0.,0.,4.02086×10⁻⁸,0.,0.,0.,0.,0.,0.,0.,0.,0.,0.,5.32381×10⁻⁷,0.,0.,0.,0.,1.94596×10⁻¹¹,0.,3.37602×10⁻⁶,1.71425×10⁻⁸,2.20027×10⁻⁹,5.46195×10⁻⁷,8.11841×10⁻⁶,0.,1.82078×10⁻⁶,5.75636×10⁻⁸,0.,2.98583×10⁻⁷,0.,6.88399×10⁻⁷,4.73508×10⁻⁶,0.,0.,1.92933×10⁻⁷,0.,0.000145803,0.0000410879,0.,0.,1.47638×10⁻⁷,0.,0.},

11^η γραμμή {0.000512996,0.000160492,0.023188,0.,0.,0.,8.34574×10⁻⁸,0.000119564,0.000747824,0.00833039,0.238898,0.111401,0.0183126,0.000336107,0.00234429,0.00026645,7.14468×10⁻⁶,0.00196558,0.00356793,0.000669763,0.000329632,0.00617999,0.00023716,0.0000687896,0.000100366,0.000157847,0.000180727,0.0000928827,0.000167149,0.0206831,0.0000492009,2.17465×10⁻⁶,1.78958×10⁻⁶,0.0000269945,0.000839231,0.00559569,0.0229556,0.00830607,0.0000963062,0.0003306,0.,0.000333729,0.0000241523,0.,0.0000121189,0.,0.000480534,0.000929391,9.72313×10⁻⁶,4.79086×10⁻⁷,0.000257213,0.,0.0000918865,0.000108621,6.00624×10⁻⁷,0.0000695979,0.000487938,0.000421202,0.},

12^η γραμμή {6.77659×10⁻⁸,0.,0.0000201733,0.,0.,0.,0.,9.57139×10⁻⁷,1.30486×10⁻⁶,0.000233091,0.197011,0.,6.23932×10⁻⁶,0.,0.0000745479,2.18646×10⁻⁸,2.10335×10⁻⁷,0.,0.,4.15557×10⁻⁶,0.,9.95629×10⁻⁷,8.2754×10⁻⁶,0.,0.0000163629,6.08801×10⁻⁶,0.,0.0000263197,1.103×10⁻⁸,6.3893×10⁻⁶,0.000101581,0.00568694,1.58923×10⁻⁶,0.000122346,0.000731588,0.00038883,0.00099174,0.0000176586,0.000383035,0.000942867,0.000136654,5.86815×10⁻⁶,0.000206627,0.0000141235,9.41258×10⁻⁶,0.0000516511,0.00018549,0.0000265824,0.0000806552,0.000591834,0.00170947,0.000606857,0.0008951,0.0367382,0.0000967887,0.000957906,0.000432154,0.},

13^η γραμμή {0.0000805565,0.0000252311,0.,0.,0.,0.,0.,0.,0.,0.,1.38452×10⁻⁶,0.,0.0000126071,0.00217768,0.253536,0.0000108161,5.7228×10⁻⁶,0.000415155,5.93013×10⁻⁹,0.000430036,1.05605×10⁻⁶, 1.29324×10⁻⁸, 4.33306×10⁻⁸,3.22684×10⁻⁷,8.10425×10⁻⁶,0.,3.16453×10⁻⁹,5.13737×10⁻¹⁰,0.0000463507,0.000157474,2.79951×10⁻⁶,0.0000523855,2.61348×10⁻¹⁰,7.44877×10⁻⁶,0.,1.43305×10⁻⁹,0.0000182336,0.000058193,6.48046×10⁻⁶,1.17273×10⁻⁸,9.19243×10⁻⁶,0.0000426905,0.,0.0000258429,3.02698×10⁻⁷,0.,1.571 52×10⁻⁶,0.,0.0000108704,0.0000754465,1.28383×10⁻⁶,7.72457×10⁻⁶,0.000156957,0., 4.05831×10⁻⁶,0.00013945,9.03153×10⁻⁸,0.0000143552,0.000142867,0.00012773,0.},

14^η γραμμή {0.,0.,0.00637915,0.,0.,0.,0.000209855,0.00105754,0.00588472,0.00797106,0.00202615,0.000689909,0.000931928,0.299786,0.00147591,0.000306543,0.0000547433,0.00958345,0.00238956,0.00158078,0.000150107,0.00164433,0.00239172,0.0000771932,0.00184391,0.000170877,0.00288136,0.00062844,0.000606175,0.168537,0.0000376577,0.000382062,0.,0.00331026,2.10843×10⁻⁶,0.00100939,0.000247264,0.021538,0.000179345,0.000189106,0.0000535486,0.00118098,0.0000932747,4.17355×10⁻⁷,0.0000410467,2.28113×10⁻⁶,0.00029789,0.00171364,0.0000243359,0.000106098,0.00138299,0.,0.,0.0000205443,3.27095×10⁻⁷,1.65321×10⁻⁶,0.00103619,0.0243448,0.},

15^η γραμμή {0.0000967731,0.0000297897,0.00320385,0.00311084,0.000816045,0.,0.000937624,0.00101843,0.00346676,0.0192381,0.000873309,0.000865094,0.00375941,0.00477048,0.258857,0.0956912,0.00232119,0.00548242,0.0036256,0.00158429,0.000635747,0.000467907,0.000430092,0.000359847,0.000836328,0.0005219,0.00052703,0.0000786887,0.000245103,0.000559861,0.000917629,0.0000537003,9.19674×10⁻⁶,0.000082539,0.00388024,0.0137485,0.0071676,0.013575,0.000814823,0.000638592,0.001659,0.00402479,0.00257364,0.0000298816,0.00353681,0.00331138,0.000583262,0.00220712,0.0190624,0.000389942,0.00463026,0.000487601,2.95236×10⁻⁸,0.0000613257,5.95207×10⁻⁷,0.000997083,0.00063244,0.000779886,0.},

16^η γραμμή {0.0000158311,4.87505×10⁻⁶,0.,0.00465229,0.0012204,0.,0.00140187,0.00100466,0.00163734,0.00568837,0.0009137,0.00115361,0.00135992,0.00107603,0.00120046,0.145534,0.0000777055,0.00483735,0.00103539,0.00194073,0.000498865,0.000566861,0.000319778,0.000240669,0.000196262,0.000212922,0.000407975,0.0000754118,0.000531576,0.0004021,0.0011785,0.000343213,0.000076239,0.00236661,0.000174025,0.00224651,0.00102941,0.0048743,0.00135794,0.00314776,0.00643986,0.000735126,0.000447718,0.0136402,0.00505032,0.00786165,0.000190688,0.0179199,0.0505943,0.0403353,0.0274715,0.00711706,0.0220843,0.0018926,7.17647×10⁻⁶,0.0360855,0.0170122,0.00100066,0.},

17^η γραμμή {0.0680475,0.0214821,0.126136,0.0681211,0.0261527,0.,0.0703195,0.105599,0.00928814,0.00678079,0.00442627,0.00213782,0.0325096,0.018737,0.0102103,0.0130982,0.117832,0.00616915,0.0092009,0.0277331,0.0186197,0.012771,0.0102367,0.00515126,0.00681185,0.0061536,0.00623944,0.00300253,0.0109671,0.00675403,0.0276677,0.0795783,0.0464526,0.0322742,0.00185732,0.0299633,0.0147454,0.0146127,0.15221,0.0659959,

0.105012,0.0485443,0.0166305,0.0116395,0.00380981,0.00885262,0.00136622,0.0191683,0.00317303,0.00387017,0.0131245,0.00896494,0.00320716,0.0338709,0.0764141,0.01146,0.00568731,0.00236439,0.},

18^η γραμμή {0.016156,0.00506856,0.000344084,0.0162563,0.00426439,0.,0.0138634,0.00911084,0.00384677,0.000489029,0.0196806,0.000995967,0.0067198,0.00856574,0.0146902,0.00948179,0.00456028,0.189038,0.071167,0.00413406,0.00352202,0.0101784,0.00570186,0.0100141,0.0139948,0.00205009,0.0474276,0.0659093,0.00320999,0.00758438,0.00196801,0.0000265559,0.000913727,0.000649752,0.00386835,0.0195099,0.00366555,0.00783484,0.000560961,0.00102955,0.000177057,0.00116548,0.0000721013,0.000861228,0.000825401,0.0000989647,0.000813943,0.00298913,0.,0.00214118,0.00281504,0.00339451,0.00128932,0.0535419,0.0126446,0.00290621,0.00491463,0.0051834,0.},

19^η γραμμή {0.00267134,0.00083601,0.00003731,0.0108755,0.00285289,0.,0.00328079,0.00764751,0.0078494,0.00714273,0.00511432,0.00244299,0.0163858,0.0076071,0.00949784,0.0066628,0.0000491248,0.00649601,0.144804,0.00187786,0.000801461,0.00576661,0.00958983,0.0180591,0.0125219,0.0095538,0.00902264,0.00220426,0.00101084,0.0153984,0.00206387,0.000239575,0.000381087,0.0199379,0.00237767,0.0179247,0.0144627,0.00330096,0.00404722,0.00101724,0.00307868,0.00181727,0.0000922061,9.0029×10⁻⁷,0.0000442976,0.000193648,0.000573548,0.00600072,0.000652044,0.000213763,0.000745192,0.,0.000313062,0.000309797,0.0000528803,0.0000258798,0.000478431,0.0223725,0.},

20^η γραμμή {1.1068×10⁻¹¹,0.,0.,0.,0.,0.,0.,0.,0.00512717,0.00686236,0.000949095,0.000588321,0.000798773,0.00118676,0.00106955,0.000222773,0.0000603099,0.00797606,0.00542354,0.255928,0.00100619,0.00129651,0.00817402,0.0037489,0.0148691,0.000629355,0.0369353,0.0032924,0.00367153,0.00366169,1.2227×10⁻⁶,0.000149511,0.0000526425,0.148687,0.0000107732,0.00113596,0.0000199991,0.00461769,0.000754729,0.000385174,0.00062197,0.000850578,0.0000148547,0.,0.0000148031,9.07127×10⁻¹⁰,0.000302656,0.00218815,0.,0.0000740779,0.000155824,0.,0.000140878,0.00517209,0.0000308877,0.0000304664,0.00215977,0.000643403,0.},

21^η γραμμή {0.,0.,0.,0.,0.,0.,0.,0.,0.00362617,0.004911,0.0500211,0.00041813,0.000609114,0.00237385,0.00146918,0.00146821,0.0000335104,0.00475835,0.0250543,0.00556271,0.381627,0.229027,0.0907951,0.0370747,0.179738,0.0358842,0.0183928,0.0471138,0.101736,0.0153776,0.263665,0.000312957,0.000112701,0.0260546,0.0143437,0.00324614,0.000175073,5.77702×10⁻⁸,0.000628045,0.000217871,0.,0.00170156,1.54482×10⁻⁶,0.,7.98658×10⁻⁶,0.,0.000831499,0.00532842,0.,7.13928×10⁻⁸,4.97967×10⁻⁶,0.,0.00012087,0.0000206445,0.000286403,9.83611×10⁻⁷,0.00142354,0.,0.},

22^η γραμμή {0.000648977,0.0164393,0.,0.00450748,0.00118242,0.,0.00135823,0.000973387,0.0128702,0.0167331,0.0150159,0.0039418,0.00937083,0.0045689,0.00584129,0.00898163,0.000113949,0.0145401,0.0154696,0.00463482,0.00443531,0.157483,0.0135832,0.0157034,0.0196084,0.00518696,0.00308407,0.00340141,0.0209945,0.0114398,0.00407621,

0.0016896,0.00418948,0.0976545,0.000661246,0.00133099,0.000408633,0.0067745,0.00115351,0.00483804,0.00019026,0.000920908,0.000169017,1.37915×10⁻⁶,0.000178755,0.0000329107,0.000438897,0.00199697,0.00195178,0.000704868,0.00654353,0.00207142,0.109153,0.000264818,0.0455933,0.00128359,0.00115611,0.00189922,0.},

23^η γραμμή {0.00216749,0.000678881,0.,0.0092565,0.0294677,0.,0.00883549,0.0095746,0.000565838,0.000813999,0.00104989,0.000670323,0.000589997,0.00227448,0.000928689,0.00259924,0.0000572236,0.000834821,0.00152684,0.00410833,0.00108896,0.00165904,0.153791,0.0000552148,0.000915062,0.000614678,0.000310577,0.00156813,0.00394117,0.000735223,0.00174141,0.00318367,0.0161852,0.00154972,0.000170424,0.000265147,0.000248611,0.000634857,0.000498869,0.000295347,0.00212057,0.000832905,0.000269423,3.13343×10⁻⁶,0.0000139696,7.42621×10⁻¹¹,0.000197818,0.00141199,0.0000424408,0.0000118746,0.000501809,0.0177488,0.0000521928,0.0000130285,0.00830272,0.000480108,0.0000986073,0.000264332,0.},

24^η γραμμή {0.,0.,0.,0.,0.,0.,0.,0.,0.0000282656,0.0000463465,0.0000530028,0.0000381528,0.0000335822,0.0000380297,0.0000509406,0.000109148,3.25766×10⁻⁶,0.000039339,0.0000644878,0.000222414,0.0000577001,0.0000421413,8.87246×10⁻⁶,0.184617,4.76734×10⁻⁶,5.30481×10⁻⁶,3.64817×10⁻⁶,0.0000119582,0.0000261029,0.0000377973,0.0000429517,8.33912×10⁻⁷,1.19973×10⁻⁷,4.87397×10⁻⁶,4.74128×10⁻⁸,3.64792×10⁻⁶,8.39855×10⁻⁷,0.0000508708,0.0000487435,0.0000209892,0.0000794523,0.0000544653,0.0000231398,2.69598×10⁻⁷,1.07273×10⁻⁶,0.000298126,1.95509×10⁻⁶,0.000327704,0.00112198,0.0000599809,0.0000109398,0.000109364,0.000226548,3.05916×10⁻⁶,3.34467×10⁻⁸,0.0000458189,0.0000177943,0.0000433818,0.},

25^η γραμμή {1.29562×10⁻⁹,0.,0.,0.00487092,0.00127775,0.,0.00146774,0.00105187,0.000704536,0.00115505,0.00143717,0.00095085,0.000836988,0.000970247,0.00127391,0.00260509,0.0000811875,0.00105087,0.00228591,0.00562358,0.00145716,0.00178026,0.0108989,0.00144719,0.162372,0.00223448,0.0010533,0.00290106,0.00287722,0.00126494,0.0254156,0.00503192,0.0258278,0.029524,4.0841×10⁻⁶,0.000315709,0.000287555,0.00180365,0.00260639,0.000976885,0.0127935,0.0033266,0.00083254,9.68212×10⁻⁶,0.0000514016,1.90379×10⁻⁷,0.0000907648,0.000994559,0.00305754,0.000133486,0.000459258,0.,0.000492194,0.000265802,1.3275×10⁻⁶,0.0000575173,0.0053829,0.000221929,0.},

26^η γραμμή {2.05841×10⁻⁸,0.,0.,0.,0.,0.,0.,0.,7.03495×10⁻⁸,0.,3.44451×10⁻⁶,0.,0.,2.37749×10⁻⁶,0.,0.0000708822,0.,3.26962×10⁻⁶,9.32351×10⁻⁶,4.00403×10⁻⁶,6.81349×10⁻⁷,0.0000570163,0.000883606,0.0426084,0.00143745,0.210734,0.000241649,0.0000489904,2.05985×10⁻⁶,0.000268952,0.0000379193,0.0000365489,0.0000244872,0.00127484,0.,0.000312755,0.00439801,0.0000629784,0.0000981793,0.0000301677,0.0000603908,0.000179776,0.012381,0.000146026,1.7845×10⁻⁶,6.2658×10⁻⁸,0.0000792789,0

.00026585,0.0012051,0.0000752525,0.00157523,0.,2.42394×10⁻⁸,0.0000108247,5.90
866×10⁻⁷,1.3206×10⁻⁶,0.00152374,0.00003445,0.},

27^η γραμμή {0.,0.,0.,0.,0.,0.,0.,0.,0.,3.01374×10⁻⁹,0.,3.3947×10⁻⁶,0.,1.64775×10⁻⁹,1.6702 7×10⁻⁷,1.40504×10⁻⁷, 0.000124468,0.,1.4527×10⁻⁶,0.000015816,1.9966×10⁻⁶,6.50901 ×10⁻⁷,0.0000228884,0.000554161,5.6939×10⁻⁷,0.0000661245,0.000248249,0.144629,
0.0000381882,0.00166586,0.0000144362,0.0000641095,0.0000340784,0.0000250602,0.000
137722,3.23131×10⁻⁷,0.0000314078,2.68943×10⁻⁶,0.0000811774,0.00002130
74,0.000050087,0.00322,0.000295986,0.0000775344,9.07798×10⁻⁷,2.42871×10⁻⁶,6.6
4948×10⁻¹⁰,0.0000326624,0.0000484616,0.0000564543,0.00173247,0.000325018,0.0
0231415,0.0000169991,0.0252767,1.64867×10⁻⁶,0.0000211351,0.000427445,0.0000
124022,0.},

28^η γραμμή {0.,3.31231×10⁻⁶,0.,0.0000652875,0.000263003,0.,0.0000623179,0.0000
946391,0.000120608,0.0000752323,0.0000560495,0.000121088,0.0000743991,0.000128511
,0.0000790713,0.000329715,5.31975×10⁻⁸,0.0000966669,0.000208419,0.000
668578,0.0000119675,0.000122474,0.0000898575,0.0000979626,0.000632701,0.000016524
5,0.0000917298,0.108826,0.0000355228,0.000171433,0.000197837,4.2985×10⁻⁷,
8,0.000649131,3.45878×10⁻⁶,0.00483413,0.000010582,8.2622×10⁻⁷,1.05803×10⁻⁷,0
.000378189,2.88469×10⁻⁶,0.000419134,0.000181049,0.0000223707,2.63616×10⁻⁷,8.8
7503×10⁻⁷,2.15076×10⁻¹²,0.0000498735,0.000642739,3.46429×10⁻⁷,3.26963×10⁻⁷,0.0
000728947,0.00263035,0.000042338,0.0000197272,0.0046059,0.000533983,0.0000671654,
2.26753×10⁻⁶,0.},

29^η γραμμή {0.,0.,0.0111885,0.00145702,0.00586945,0.,0.00139075,0.00211206,0.,0
,0.,0.,0.,0.,2.15914×10⁻⁸,0.000188906,1.08547×10⁻⁷,0.,0.,4.60175×10⁻⁷,0.0000268
183,0.0000280864,0.,0.,0.00507241,0.,0.00298254,0.150445,6.88556×10⁻⁸,0.000172
715,0.,0.,0.000129194,0.00211043,5.81959×10⁻⁶,0.0000478001,6.03229×10⁻⁶,0.0006
22726,0.0211193,0.0157623,0.00183128,0.000214433,7.62955×10⁻⁷,0.000776292,0.,
0.0000199794,0.0013834,7.73125×10⁻⁷,0.,3.30314×10⁻⁶,0.,0.,0.0000220636,1.20862 ×10⁻⁸,
8,8.45088×10⁻⁶,0.000106927,0.0000192297,0.},

30^η γραμμή {2.0842×10⁻⁷,0.0000157688,0.,0.000703239,0.000184475,0.,0.00021190
6,0.000151863,0.00024388,0.000150898,0.000617879,0.00451743,0.00076633,0.00039785,
0.00027301,0.0012579, 1.04782×10⁻⁶,0.00023853,0.000328091,0.000180983,
0.000368411,0.000828276,0.000216239,0.000156891,0.0000556352,0.000150145,0.000272
416,0.000150789,0.000434302,0.131405,0.0121296,0.000104442,0.0000118411,0.0004968,
0.0000504732,0.00176248,0.00140923,0.00385849,0.00048052,0.000417338,0.000626241,0
.00242732,0.00183017,0.00518032,0.0000313748,0.00105952,0.0000837025,0.000379068,0
.000213601,0.00212394,0.00116926,0.000249753,0.00124697,0.00122111,9.99809×10⁻⁶,
6,0.00199088,0.00277776,0.00179042,0.},

32789,0.102909,0.113623,0.0965544,0.0382151,0.107255,0.0558555,0.0283867,0.0424141,
0.0852642,0.0304463,0.152764,0.034393,0.103706,0.0342998,0.0247005,0.0399995,0.0196
823,0.0256866,0.00890878,0.00498349,0.00707829,0.00351334,0.0277919,0.0341175,0.017
9966,0.0216022,0.0356841,0.0572707,0.0986,0.0771814,0.0208219,0.0218261,0.0210023,0.
},

37^η γραμμή {0.0730825,0.0486831,0.069035,0.029354,0.0224267,0.,0.0229869,0.02
93249,0.0858216,0.0605448,0.0597753,0.0780289,0.0673266,0.0754798,0.0633779,0.04938
83,0.0249468,0.0803971,0.067669,0.0537609,0.0206787,0.0332568,0.0373135,0.0708123,0.
0537406,0.0754706,0.0833275,0.0708101,0.0280263,0.0786574,0.0408347,0.0208179,0.031
1052,0.0625353,0.0223284,0.0298578,0.201378,0.0760547,0.0251544,0.0181218,0.0293344
,0.0144392,0.0188379,0.00653343,0.003655,0.005191,0.00262311,0.020833,0.0252605,0.01
34542,0.0163208,0.0331025,0.0420028,0.0723236,0.0566026,0.0152789,0.0160102,0.01592
55,0.},

38^η γραμμή {8.5523×10⁻⁸,0.0000350056,0.,0.0000739115,0.00152839,0.,0.00020392
2,0.000173591,0.00069021,0.00137482,0.00105779,0.00250361,0.00136517,0.000661889,0.
00082572,0.00116923,0.000101149,0.00147929,0.00118275,0.000978405,0.000578648,0.00
152291,0.00154048,0.00440597,0.00103691,0.00441874,0.000856943,0.000667653,0.00299
818,0.00107372,0.00068961,0.000213126,0.000175876,0.0000485309,3.29665×10⁻
6,0.000767243,0.000531485,0.130411,0.000928914,0.0188723,0
.0738167,0.0546578,0.000139614,0.00124162,0.0362474,0.0673297,0.000217568,0.005691
49,0.00626688,0.0125733,0.0170707,0.00371997,0.0000864173,0.00149135,0.0000157396,
0.0204132,0.0106265,0.23607,0.},

39^η γραμμή {0.00597749,0.00196688,0.00928557,0.0101966,0.17244,0.,0.138278,0.
053552,0.00265959,0.00448406,0.00418037,0.008232,0.00421949,0.00355936,0.00267205,
0.0051221,0.000313514,0.00926057,0.0037788,0.00323613,0.00275534,0.00495826,0.0049
8295,0.0153111,0.00315688,0.0172156,0.00406618,0.00211484,0.00550047,0.00332007,0.0
10007,0.00335959,2.35121×10⁻⁶,0.00550033,0.0124087,0.1246
11,0.0631483,0.0000269242,0.25426,0.00563021,0.000578253,0.0450099,0.000244336,0.01
08213,0.000584409,0.0031042,0.00280256,0.0164749,0.00193083,0.012292,0.0038486,0.00
736274,0.00385597,0.00223197,0.000132465,0.0088144,0.0046762,0.0455892,0.},

40^η γραμμή {8.89111×10⁻⁷,0.,0.0113499,0.,0.,0.,0.,0.0000126022,0.0000171996,0.
,0.0000255923,0.,0.000082242,0.,0.0000654116,2.88204×10⁻⁷,2.76448×10⁻⁶,0.,0.,0.0
000547706,0.,0.0000131086,0.00010908,0.,0.000215618,0.0000802476,0.,0.00233404,1.453
89×10⁻⁷,0.0000941074,0.0000146106,2.71796×10⁻⁷,0.0000515963,0.0003542
57,0.00704167,0.0043357,0.0000153121,0.017629,0.121971,0.,0.00979374,0.000253054,8.0
8871×10⁻⁹,0.00141307,0.0000335529,0.000170782,0.000910513,0.00021407
4,0.00657366,0.00164409,0.00151284,0.0000392646,0.000218478,6.69321×10⁻⁶,3.0
3295×10⁻⁶,0.00102944,9.3414×10⁻⁶,0.},

41^η γραμμή {6.02107×10⁻⁷,0.,0.,0.,0.,0.,0.,0.,0.000641822,0.00127379,0.000972261,0.00231624,0.00125479,0.00065679,0.000758954,0.00192919,0.0000931399,0.00136131,0.00108712,0.000899295,0.000564106,0.00139977,0.00142364,0.00411394,0.00095307,0.0041884,0.000834898,0.000613668,0.0016455,0.000986986,0.000669509,0.000765988,8.0518×10⁻⁶,0.000243572,0.0000934772,0.00485163,0.00307269,0.000378976,0.00028719,0.00167945,0.160395,0.022506,0.00398018,0.00290421,0.000279453,0.00199181,0.000298921,0.00297863,0.00341071,0.00161729,0.00890247,0.0232774,0.0000302735,0.0000206577,2.36732×10⁻⁶,0.00547312,0.00235514,0.00074 273,0.},

42^η γραμμή {5.95878×10⁻⁶,1.68896×10⁻⁶,0.00316195,0.,0.,0.,0.,0.000632131,0.000649727,0.0000108057,0.000113216,0.000193811,0.0000216347,0.000332826,0.000425146,0.000322843,0.000345447,0.000265487,0.000132584,0.000141362,0.0000475123,0.000205315,0.00021081,0.0000949355,0.0000418159,0.000171729,0.000169857,0.0000694618,0.00774035,0.000136055,0.0000918335,0.0000104738,3.23558×10⁻⁷,0.00814167,5.01409×10⁻⁶,0.00454558,0.00471609,0.00274009,0.0378851,0.117513,0.0241592,0.194985,0.00744626,0.000552572,0.00453798,0.0000231169,0.000157064,0.00261377,0.00390445,0.00108602,0.000623102,0.,1.03693×10⁻⁸,0.00493215,2 .03688×10⁻⁶,8.52952×10⁻⁷,0.00110006,0.000108229,0.},

43^η γραμμή {0.0000594972,0.0000153239,0.00504592,0.00027326,0.00530813,0.,0.00281161,0.00682899,0.00378112,0.00240072,0.00619315,0.0120082,0.00833446,0.00658023,0.00593707,0.0310272,0.000325708,0.00570401,0.00717702,0.00674346,0.00208452,0.00744022,0.00743019,0.0181041,0.00513988,0.0135279,0.010854,0.00253006,0.00451313,0.00913574,0.00460635,0.0154227,0.00400513,0.00716265,0.0244199,0.0842971,0.0691035,0.0210719,0.0100146,0.01316,0.0292196,0.0422819,0.634007,0.0964999,0.062889,0.0934815,0.00286427,0.0543736,0.0993474,0.0214279,0.0717361,0.0255835,0.0030611,0.00667402,0.000104605,0.0210809,0.0249151,0.00578627,0.},

44^η γραμμή {0.0540022,0.0439497,0.0463235,0.0361193,0.0319999,0.,0.050434,0.0326557,0.0238308,0.0232914,0.0230086,0.0267183,0.0237298,0.0207807,0.0217303,0.0374959,0.0183553,0.0220004,0.0241711,0.024644,0.0191626,0.0249593,0.0221478,0.0292978,0.0222877,0.031779,0.0259235,0.0135759,0.0232955,0.0225578,0.0212786,0.0425793,0.016909,0.0164102,0.0842035,0.105383,0.105426,0.0243728,0.0276343,0.00365911,0.0407351,0.0332703,0.0510408,0.338973,0.0383902,0.082169,0.0257197,0.0335263,0.0218196,0.0313967,0.0617444,0.0528648,0.0250668,0.0172401,0.00884461,0.0499284,0.039142,0.0620918,0.},

45^η γραμμή {0.00111906,0.000350288,0.00379735,0.000111797,0.0281928,0.,0.00327667,0.00349428,0.0021607,0.0048146,0.00599731,0.00389983,0.00276739,0.00320365,0.00371689,0.0048836,0.00118173,0.00302738,0.00453737,0.00359757,0.00177624,0.00272418,0.00308594,0.00164671,0.0027251,0.00268668,0.00198437,0.0010314,0.00541023,0.00407514,0.00133805,0.0000357309,0.0000828817,0.00269644,0.000865568,0.0056241,0.00475333,0.000583684,0.0155237,0.0242492,0.0071158,0.00446444,0.000355276,0.00694104,0.},

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