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# Examining Multimorbidities Using Association Rule Learning

Kaylee Dudley

Honors Thesis


EXAMINING MULTIMORBIDITIES USING ASSOCIATION RULE LEARNING


by
Kaylee Dudley


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Statistics Department
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Advisor: Brian Hartman

Honors Coordinator: Del Scott

ABSTRACT


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LEARNING



Kaylee Dudley

Statistics Department

Bachelor of Science



All insurance companies, regardless of the kind of insurance they offer, do their best to predict the future by comparing current to historical information. Any statistically significant correlation, regardless of expectations and hidden factors, can help to actuarially model future behavior.

Using deidentified data from over 6 million health insurance policies over one year, we looked for any significant groupings of medical issues. The medical issues are defined based on the commercial "Episode Treatment Groups" (ETGs) classification, and our claims contain 347 different ETGs.

We performed different kinds of analysis, including Bayesian posterior cluster analysis, k-means cluster analysis, and association rule learning. We compared our findings to medical expectations.

# ACKNOWLEDGMENTS

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# INTRODUCTION

Medically and colloquially, we tend to associate different diseases and disorders. We think of anxiety and depression together, and often associate obesity with a myriad of ailments: high blood pressure, high cholesterol, joint degeneration, and diabetes. Medically, too, doctors consider both co- and multimorbidity in diagnosing and treating their patients.

Given this background, what statistically significant co- and multimorbidity will the data indicate? This thesis is not intended to prove any medical association, for which I am wholly unqualified. This analysis is meant to find correlations, whether medically expected or not, and which may warrant further investigation for health insurance and healthcare providers. In order to find these correlations, we tried multiple methods but eventually found association rule learning to be the best methodology for our purposes.

The use of association rule learning for medical data is nothing new. Doddi et al. used association rule learning to indicate relationships between a patient's procedures and the reported diagnoses (2001). Viveros et al. used association rule learning to find patterns in doctors' orders of pathology services in order to group them by general nature and style (2013). Baesens and Broucke explain how association rules can identify patterns of fraud, including health insurance fraud (2016). Lau and Tripathi used Workers Compensation claims to identify potential areas of prevention in the workplace (2011). We will take a broader approach with our analysis, and will consider all of a major health insurance provider's claims over the course of one year to find general patterns of association. At this stage in the analysis, we will not consider the related claims costs.

Our data come from a major health insurance provider and include all paid claims from 1 July 2012 to 30 June 2013. In that time, the company paid claims for 6,113,838 members. Each claim includes the person's age, gender, claim amount paid, kind of treatment, and episode start date. The first few rows, as an example of the data, are shown in Table 1.

So the data indicate that in the recorded year, person 1, a 41-year-old woman, had three paid health insurance claims, two of which began before the recording date. For the treatment behind each claim, the ETG column of Table 1 indicates the category of ailment as found in Table 8.

Table 1: Persons 1-3

| ID | Age | Sex | ETG | Total Amount | Episode Start Date |
|---|---|---|---|---|---|
| **1** | 41 | F | 1622 | 927.85 | 01JUL2012 |
| **1** | 41 | F | 4383 | 2145.76 | 21MAY2012 |
| **1** | 41 | F | 6351 | 7676.34 | 01JUL2012 |
| 2 | 31 | M | 4388 | 543.60 | 01JUL2012 |
| 2 | 31 | M | 7791 | 628.39 | 05JUN2013 |
| 2 | 31 | M | 7794 | 598.89 | 05JUN2013 |
| 3 | 40 | M | 3999 | 362.00 | 16APR2013 |

ETG, or "Episode Treatment Group", is based on a commercial classification of possible medical treatments. Technically there are six digits, not four, but we remove the last two (more specific) digits to protect patient privacy. For example, ETG 711901 (Major joint inflammation - foot & ankle) becomes, for us, a more general ETG 7119

(Major joint inflammation). Bottle and Aylin explained the ETG system as follows (2016).

> An episode can belong to only one patient, but a patient can be in multiple episodes at the same time. Episodes are defined and grouped by proprietary software in the United States for purposes such as value-based purchasing initiatives to improve the quality of care while avoiding unnecessary costs. The market-leading method for grouping such episodes is the Optum$^{\text{TM}}$ Symmetry$^{\circledR}$ Episode Treatment Group$^{\circledR}$ (ETG) for medical and pharmacy claims data. It adjusts for disease severity and associated costs and has some similarities with diagnosis-related groups such as its ability to create resource-homogeneous groups. One key difference is that its ability to create resource-homogeneous groups. One key difference is that it cuts across healthcare sectors, so it covers inpatients, outpatients and ancillary services. An ETG captures medications, diagnostic information (comorbidities and complications) and procedures.

So, returning to person 1: her insurance paid $927.45 toward her hyper-functioning thyroid gland treatment, $2,145.76 toward her acute bronchitis treatment, and $7,676.34 toward her treatment for conditions associated with infertility. We have similar data for 6,113,837 other people.

These ETGs are grouped into 22 MPCs, or Major Practice Categories, indexed in Table 7. Aggregate claim information, grouped by MPC, is shown in Table 2.

Table 2: Claim Aggregates by MPC

| Major Practice Category | Claim Count | Average ($) | Maximum ($) |
| --- | --- | --- | --- |
| Cardiology | 1,633,554 | 3,445.24 | 2,533,176.32 |
| Chemical dependency | 123,686 | 1,669.96 | 1,645,904.58 |
| Dermatology | 2,496,394 | 7,579.95 | 4,072,522.25 |
| Endocrinology | 2,026,801 | 1,697.56 | 766,141.35 |
| Gastroenterology | 1,219,131 | 3,328.24 | 491,260.35 |
| Gynecology | 834,650 | 5,437.56 | 2,375,594.92 |
| Hematology | 187,517 | 956.20 | 749,383.32 |
| Hepatology | 100,151 | 4,071.38 | 4,357,839.25 |
| Infectious diseases | 278,211 | 740.40 | 1,740,124.22 |
| Isolated signs & symptoms | 387,158 | 2,429.96 | 3,443,890.40 |
| Late effects, environmental trauma & poisonings | 93,615 | 4,460.83 | 2,846,706.29 |
| Neonatology | 53,307 | 12,455.76 | 2,014,169.82 |
| Nephrology | 73,389 | 34,142.21 | 3,244,267.32 |
| Neurology | 581,348 | 3,024.77 | 1,080,813.86 |
| Obstetrics | 100,783 | 14,624.49 | 2,878,626.48 |
| Ophthalmology | 1,155,398 | 4,385.07 | 1,494,069.63 |
| Orthopedics & rheumatology | 2,612,979 | 882.96 | 2,080,023.16 |
| Otolaryngology | 3,230,160 | 3,820.86 | 3,558,499.99 |
| Preventive & administrative | 3,908,909 | 11,320.53 | 2,968,575.27 |
| Psychiatry | 773,879 | 485.96 | 507,713.88 |
| Pulmonology | 1,072,092 | 3,378.84 | 4,774,041.97 |
| Urology | 751,337 | 493.49 | 287,014.67 |
| All | 23,694,449 | 2,329.65 | 4,774,041.97 |

## Methodology (Statistics)

To find these correlations between treatments, we used Association Rules Learning, which is a machine learning method of comparing every possible combination of items against specified parameters. Specifically, we used the apriori algorithm as found in the arules package, which stores subproblem results to avoid recomputation.

One crucial element of association rule learning is user-defined criteria for acceptable association strength. We defined a minimum support and confidence for the algorithm, and evaluated the strength of the results by lift.

*SUPPORT*

Support is the frequency with which the itemset appears in the data. For such a large amount of data we set minimum support at one-millionth, so that at least six members in our dataset will need to have charges in order for the ETG to be included.

$$\mathrm{supp}(X) = \frac{|\{t \in T, X \subseteq t\}|}{|T|}$$

*CONFIDENCE*

Confidence can be understood as the proportion of the time that the rule holds true. X does not always correlate with Y. We set our minimum confidence at 0.2.

$$\mathrm{conf}(X \Rightarrow Y) = \frac{\mathrm{supp}(X \cup Y)}{\mathrm{supp}(X)}$$

*LIFT*

Lift is a useful metric for evaluating the merit of an individual association rule between items, once the association rules have already been calculated. It is the ratio of the observed support to the product of the expected supports if the individual items are independent. The higher the lift, the more the items are dependent on each other. A lift of 1 indicates complete independence, and a lift of less than 1 indicates that the presence of one item reduces the probability of the other item's appearance.

$$\mathrm{lift}(X \Rightarrow Y) = \frac{\mathrm{supp}(X \cup Y)}{\mathrm{supp}(X) \times \mathrm{supp}(Y)}$$

# RESULTS

## *A Brief Overview*

Some of the associations are medically unexpected. For example, Itemset 55 (expanded in Table 3, and which statistics can be found in row 55 of Table 9) links diabetes with pancreatic cancer. The pancreas is the organ that produces insulin, which regulates blood glucose. Those conditions have a clear connection, nominal though it may be. The itemset also includes agranulocytosis, which is an acute condition of a dangerously low white blood cell count. Seven people had this combination of conditions, which is interesting considering how rare agranulocytosis is. This combination of conditions is not likely to be incidental.

Table 3: Itemset 55

| LHS | | RHS |
| --- | --- | --- |
| Diabetes, Agranulocytosis Hypertension, Chronic pancreatitis | ⇒ | Malignant neoplasm of pancreatic gland |

In the same vein, the results may strengthen known medical connections and indicate a stronger correlation than previously supposed. For example, the 1500 strongest associations (sorted by lift) contain 220 itemsets associated with pancreatic cancer, or malignant neoplasm of the pancreatic gland. Interestingly, 170 of these associations include chronic pancreatitis. There are 171 itemsets including chronic pancreatitis in total, and the only exception, Itemset 568, is associated with a malignant neoplasm of the hepatobiliary system. Chronic pancreatitis is inflammation of the pancreas that increases cell turnover, and where more cells are multiplying, there are more cells to potentially become cancerous. If claimants afflicted by chronic pancreatitis all made related claims in the measured year, this may suggest a stronger association between

chronic pancreatitis and pancreatic cancer than reported by Yadav and Lowenfels (2013). The reverse often holds true, with 104 of 143 cases (from the top 1500) of pancreatic cancer associated with chronic pancreatitis.

Table 4: Itemset 36

| LHS | | RHS |
|---|---|---|
| Epilepsy, Congenital disorders of central nervous system Malignant neoplasm of breast | ⇒ | Malignant central nervous system metastases |

Table 4 illustrates another medically unexpected itemset. Row 36 is the only case in the strongest 1500 associations in which congenital disorders of the central nervous system are associated with malignant central nervous system metastases. It's also the only combination of cancer with congenital disorders of central nervous system, so it may be that congenital abnormalities predispose to metastatic seeding, once the cancer is already present.

Some of the algorithm's proposed associations can be safely dismissed as statistical noise, largely due to the high prevalence of certain ETGs in the general population. Table 5 is a good example of this.

Table 5: Itemset 9

| LHS | | RHS |
|---|---|---|
| Other metabolic disorders, Malignant neoplasm of central nervous system Infection of lower genitourinary system not sexually transmitted, Malignant neoplasm of breast | ⇒ | Malignant central nervous system metastases |

Medically, most of the proposed association in Table 5 makes sense, except for the urinary tract infection. The algorithm includes UTIs in the rule because seven people had the other ailments, as well as incidental UTIs. This is likely due to the

frequency with which women get urinary tract infections; the National Institute of Child Health and Human Development estimates a woman's lifetime UTI risk to be at least 40%, and the risk of recurrent UTIs increases with each infection (2016).

Table 6: Itemset 7

| LHS | | RHS |
|---|---|---|
| Hypertension,<br>Other inflammation of intestines & abdomen<br>Chronic renal failure,<br>Conditional exam | ⇒ | Liver transplant |

A similar case to Table 5's Itemset 9 occurs in Itemset 7, shown in Table 6. The CDC estimates that 29.1% of U.S. adults have high blood pressure, or hypertension, and so its inclusion in a set of items associated with a liver transplant is likely incidental, as reported by Nwankwo et al. (2013).

Figures 1 and 2 use both the itemsets and the rules' strength as vertices. Figure 1 corresponds with the first 20 rows of Table 9, and the meaning of the ETGs displayed above can be found in Table 8. Note the support, which is rounded down to zero but relative differences are still noticeable in the size differences, and the shading differences indicating relative difference in lift. Compared to the rest of the data, however, the lift is extremely strong. Figure 2 is a graphical representation of the 100 rules with the largest support, which corresponds with frequency. Even the most frequent itemset only appeared in 5.5% of the claimants. As with Figure 1, lift strength is indicated by the shading. Such graphical representations are necessarily usually limited to just a small quantity, with the exception of Figure 2, which fits more rules because so many rules correspond with ETG 7794, Routine Exam.
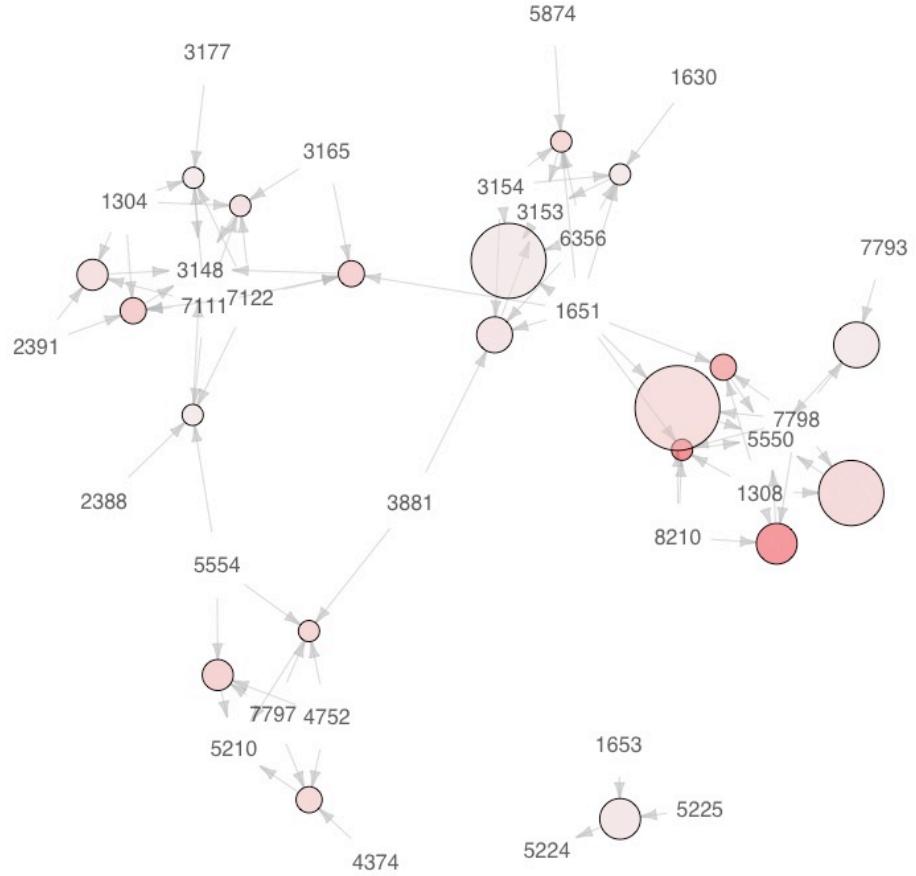
Figure 1: A graphical representation of the 20 rules with the strongest lift.
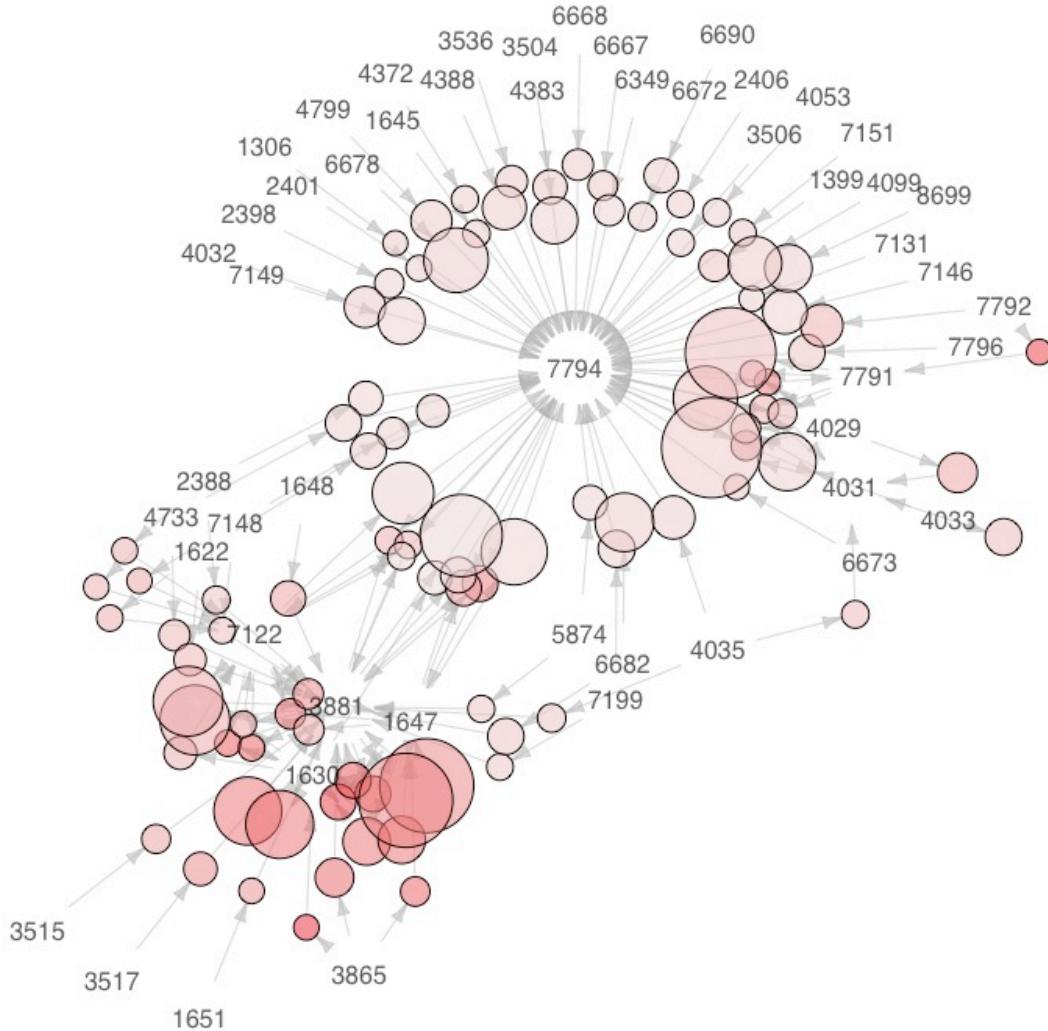
Figure 2: A graphical representation of the 100 rules with the largest support.

## Conclusion

This analysis does have certain limitations. The data only contain claims that were paid in one year. Information from any unpaid claims will not be present in the data, as well as the long-term effects of any non-chronic ailments still present. Furthermore the information is limited to the insurance provider's plan members, in which there may be some selection bias.

As stated before, this information is not intended to be a proof of medical causes. It may provide insights into the de facto and incidental associations that commonly occur, which could be helpful for professionals in both the medical and the health insurance industries. With adequate data, it can strengthen known medical connections, indicate patterns of suspicious and potentially fraudulent claims, and contribute toward insurance providers' solvency by predicting possible future claims. This thesis only examined the strongest of the strong associations, while the apriori algorithm returned millions of proposed associations, most of which warrant further consideration.

Further steps for this information may include some analysis of claimants' ages with the statistical multimorbidities. Multimorbidity increases with age, according to Ording and Sørensen (2013). There may be other confounding variables such as gender or even the inclusion of a routine exam. Further analysis may find universal association rules, or may limit association rules to patients with certain prerequisites. Finally, there may be some value in analyzing the associations in conjunction with the claim costs for insight into the financial effects of the associations.

## Alternative Methodology

Association Rule Learning was not our initially planned methodology. In fact, my thesis proposal was focused on "an innovative application of existing Bayesian methods of

cluster analysis". The following sections detail other methods we tried, but suffice it to say that these didn't find any significant results.

*BAYESIAN POSTERIOR CLUSTER ANALYSIS*

We first sorted the data into a matrix with individual people on the rows, and ETGs as columns. Each person has a 1 in an ETG column where they received at least one claim payment, and a 0 in every other ETG column. Each individual represents a single Monte Carlo draw, with natural clusters where they filed claims. We then used several methods of finding the Bayesian posterior cluster models, i.e. identifying final clusters based on given information. These methodologies have been aggregated and explained by Fritsch and Ickstadt, and implemented in the R packages mcclust and mclust. The following subsections describe these methodologies, labeled by the package function names (2009).

### i. MCLUST CRITERIA

The MCLUST criterion is a benchmark criterion that focuses on finding each individual cluster probability $\pi_{ij}$, given in the following equation.

$$\pi_{ij} = P\big(c_i = c_j/y\big) \approx \frac{1}{M} \sum_{m=1}^{M} I_{c_i^{(m)} = c_j^{(m)}}$$

This particular method is so computationally intensive that it overloaded the BYU Statistics Department servers at a subset of 100,000 of the 6,113,838 people. We were unable to draw any meaningful conclusions using the MCLUST criteria, given that we couldn't perform a complete analysis.

### ii. MAP CRITERIA

MAP clustering, or Maximum a posteriori, finds cluster estimate $\hat{c}$ by maximizing the posterior density. This kind of cluster analysis did not yield any distinctive results, and mostly grouped all the ETGs into one large cluster.

### iii. MEDVCOMP CRITERIA

Developed by Medvedovic et al., this is a method to obtain $\hat{c}$ by finding $1 - \pi_{ij}$, i.e. the probability that observations $i$ and $j$ are not clustered together (Medvedovic, Yeung and Bumgarner). This kind of cluster analysis did not yield any distinctive results, and mostly grouped all the ETGs into one large cluster.

### iv. MINBINDER CRITERIA

This criterion minimizes Binder's loss, the posterior expectation of which is given in the following equation i.e. the sum of absolute deviations of the estimated similarity matrix to the posterior similarity matrix, or a matrix that contains the pairwise probabilities that two observations belong to the same cluster.

$$E\left(L\left(c^{*},c\right)|y\right) = \sum_{i<k} \left|I_{c_i^*=c_j^*} - \pi_{ij}\right|$$

This kind of cluster analysis did not yield any distinctive results, and mostly grouped all the ETGs into one large cluster.

### v. MPEAR CRITERIA

MPEAR maximizes the Posterior Expected Adjusted Rand index, shown in the following expression, where $\pi_{ij}$ is estimated from the MCLUST Equation.

$$\frac{\sum_{i<j} I_{\left\{c_i^*=c_j^*\right\}} \pi_{ij} - \dfrac{\sum_{i<j} I_{\left\{c_i^*=c_j^*\right\}} \sum_{i<j} \pi_{ij}}{\binom{n}{2}}}{\frac{1}{2}\left[\sum_{i<j} I_{\left\{c_i^*=c_j^*\right\}} + \sum_{i<j} \pi_{ij}\right] - \dfrac{\sum_{i<j} I_{\left\{c_i^*=c_j^*\right\}} \sum_{i<j} \pi_{ij}}{\binom{n}{2}}}$$

This kind of cluster analysis did not yield any distinctive results, and mostly grouped all the ETGs into one large cluster.

### K-MEANS CLUSTERING

K-means clustering is a popular method of cluster analysis in data mining. It groups the observations in $k$ clusters, based on which dynamic cluster has the mean closest to an

observation's value. K-means clustering is computationally intense even with small data, and we also ran into this problem with our massive data. We weren't able to run a K-Means cluster analysis due to the processing power requirements; our attempt at running 100,000 of the 6,138,838 people almost crashed the Statistics Department servers.

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Table 7: Descriptions of the Major Practice Categories; see also Table 8.

| MPC | Description |
|-----|-------------|
| 1 | Infectious Diseases |
| 2 | Endocrinology |
| 3 | Hematology |
| 4 | Psychiatry |
| 5 | Chemical dependency |
| 6 | Neurology |
| 7 | Ophthalmology |
| 8 | Cardiology |
| 9 | Otolaryngology |
| 10 | Pulmonology |
| 11 | Gastroenterology |
| 12 | Hepatology |
| 13 | Nephrology |
| 14 | Urology |
| 15 | Obstetrics |
| 16 | Gynecology |
| 17 | Dermatology |
| 18 | Orthopedics & rheumatology |
| 19 | Neonatology |
| 20 | Preventive & administrative |
| 21 | Late effects, environmental trauma & poisonings |
| 22 | Isolated signs & symptoms |

Table 8: A reference for the ETG numbers present in the data; see also Table 9.

| MPC | ETG | Description |
|-----|------|-------------|
| 1 | 1301 | AIDS |
| 1 | 1302 | HIV sero-positive w/o AIDS |
| 1 | 1304 | Septicemia |
| 1 | 1306 | Other infectious diseases |
| 1 | 1308 | Immunodeficiencies |
| 1 | 1399 | Infectious diseases signs & symptoms |
| 2 | 1620 | Lipidoses (Gauchers Disease or Fabry Disease or Mucolipidosis I-III) |
| 2 | 1621 | Hyper-functioning thyroid gland |
| 2 | 1622 | Hypo-functioning thyroid gland |
| 2 | 1623 | Non-toxic goiter |
| 2 | 1624 | Malignant neoplasm of thyroid gland |
| 2 | 1625 | Non-malignant neoplasm of thyroid gland |
| 2 | 1626 | Other diseases of thyroid gland |
| 2 | 1630 | Diabetes |
| 2 | 1631 | Malignant neoplasm of pancreatic gland |
| 2 | 1632 | Non-malignant neoplasm of pancreas |
| 2 | 1633 | Malignant neoplasm of pituitary gland |
| 2 | 1634 | Non-malignant neoplasm of pituitary gland |
| 2 | 1635 | Hyper-functioning adrenal gland |
| 2 | 1636 | Hypo-functioning adrenal gland |
| 2 | 1637 | Malignant neoplasm of adrenal gland |
| 2 | 1638 | Non-malignant neoplasm of adrenal gland |
| 2 | 1639 | Hyper-functioning parathyroid gland |
| 2 | 1640 | Hypo-functioning parathyroid gland |
| 2 | 1641 | Malignant neoplasm of parathyroid gland |
| 2 | 1642 | Non-malignant neoplasm of parathyroid gland |
| 2 | 1643 | Female sex gland disorders |
| 2 | 1644 | Male sex gland disorders |
| 2 | 1645 | Nutritional deficiency |
| 2 | 1646 | Gout |
| 2 | 1647 | Hyperlipidemia or other |
| 2 | 1648 | Obesity |
| 2 | 1649 | Dehydration |
| 2 | 1651 | Other metabolic disorders |
| 2 | 1652 | Cystic fibrosis |
| 2 | 1653 | Other diseases of endocrine glands |
| 2 | 1699 | Endocrine disease signs & symptoms |
| 3 | 2068 | Agranulocytosis |
| 3 | 2069 | Thrombocytopenia |
| 3 | 2070 | Hemophilia |
| 3 | 2072 | Leukemia |
| 3 | 2073 | Other malignancies of blood & lymphatic systems |

| | | |
|---|---|---|
| 3 | 2074 | Sickle-cell anemia |
| 3 | 2076 | Myelodysplastic syndromes |
| 3 | 2078 | Lymphoma |
| 3 | 2079 | Mulitiple myeloma |
| 3 | 2080 | Anemia of chronic diseases |
| 3 | 2082 | Iron deficiency anemia |
| 3 | 2089 | Other hematologic diseases |
| 3 | 2099 | Hematology signs & symptoms |
| 4 | 2388 | Mood disorder or depressed |
| 4 | 2389 | Mood disorder or bipolar |
| 4 | 2390 | Dementia |
| 4 | 2391 | Organic drug or metabolic disorders |
| 4 | 2392 | Autism & child psychoses |
| 4 | 2393 | Psychotic & schizophrenic disorders |
| 4 | 2394 | Personality disorder |
| 4 | 2397 | Eating disorder |
| 4 | 2398 | Anxiety disorder or phobias |
| 4 | 2400 | Psychosexual disorder |
| 4 | 2401 | Attention deficit disorder |
| 4 | 2402 | Development disorder |
| 4 | 2403 | Somatoform disorder |
| 4 | 2404 | Mental retardation |
| 4 | 2406 | Other neuropsychological or behavioral disorders |
| 4 | 2499 | Psychiatric diseases signs & symptoms |
| 5 | 2711 | Cocaine or amphetamine dependence |
| 5 | 2712 | Acute alcohol intoxication |
| 5 | 2714 | Alcohol dependence |
| 5 | 2715 | Opioid or barbituate dependence |
| 5 | 2716 | Other drug dependence |
| 6 | 3140 | Viral meningitis |
| 6 | 3141 | Bacterial & fungal meningitis |
| 6 | 3142 | Viral encephalitis |
| 6 | 3143 | Nonviral encephalitis |
| 6 | 3144 | Parasitic encephalitis |
| 6 | 3145 | Toxic encephalitis |
| 6 | 3147 | Brain abscess |
| 6 | 3148 | Spinal abscess |
| 6 | 3150 | Inflammation of central nervous system or other |
| 6 | 3151 | Multiple sclerosis |
| 6 | 3152 | Epilepsy |
| 6 | 3153 | Malignant central nervous system metastases |
| 6 | 3154 | Malignant neoplasm of central nervous system |
| 6 | 3156 | Non-malignant neoplasm of central nervous system |
| 6 | 3160 | Cerebral vascular accident |
| 6 | 3163 | Brain trauma |
| 6 | 3164 | Alzheimer's disease |
| 6 | 3165 | Spinal trauma |
| 6 | 3166 | Amyotrophic lateral sclerosis |
| 6 | 3167 | Hereditary & degenerative diseases of central nervous system or other |
| 6 | 3168 | Parkinson's disease |
| 6 | 3169 | Migraine headache |

| | | |
|---|---|---|
| 6 | 3171 | Congenital disorders of central nervous system |
| 6 | 3173 | Inflammation of cranial nerves |
| 6 | 3175 | Carpal tunnel syndrome |
| 6 | 3177 | Inflammation of non-cranial nerves except carpal tunnel |
| 6 | 3179 | Peripheral nerve neoplasm |
| 6 | 3181 | Traumatic disorders of cranial nerves |
| 6 | 3183 | Traumatic disorders of non-cranial nerves |
| 6 | 3184 | Congenital disorders of peripheral nerves |
| 6 | 3186 | Other neurological diseases |
| 6 | 3199 | Neurological diseases signs & symptoms |
| 7 | 3501 | Internal eye infection |
| 7 | 3503 | External eye infection except conjunctivitis |
| 7 | 3504 | Conjunctivitis |
| 7 | 3506 | Inflammatory eye disease |
| 7 | 3508 | Malignant internal neoplasm of eye |
| 7 | 3509 | Malignant external neoplasm of eye |
| 7 | 3510 | Non-malignant internal neoplasm of eye |
| 7 | 3511 | Non-malignant external neoplasm of eye |
| 7 | 3515 | Glaucoma |
| 7 | 3517 | Cataract |
| 7 | 3519 | Trauma of eye |
| 7 | 3521 | Congenital anomaly of eye |
| 7 | 3524 | Diabetic retinopathy |
| 7 | 3526 | Non-diabetic vascular retinopathy |
| 7 | 3528 | Other vascular disorders of eye except retinopathies |
| 7 | 3530 | Macular degeneration |
| 7 | 3532 | Non-macular degeneration |
| 7 | 3536 | Visual disturbances |
| 7 | 3537 | Other & unspecified diseases & disorders of eye & adnexa |
| 8 | 3850 | Heart or heart/lung transplant |
| 8 | 3865 | Ischemic heart disease |
| 8 | 3866 | Pulmonary heart disease |
| 8 | 3868 | Congestive heart failure |
| 8 | 3869 | Cardiomyopathy |
| 8 | 3870 | Aortic aneurysm |
| 8 | 3871 | Diastolic heart failure |
| 8 | 3872 | Cardiac infection |
| 8 | 3874 | Valvular disorder |
| 8 | 3875 | Severe ventricular rhythms |
| 8 | 3876 | Severe heart block |
| 8 | 3877 | Other conduction disorders |
| 8 | 3878 | Atrial fibrillation & flutter |
| 8 | 3881 | Hypertension |
| 8 | 3883 | Cardiac congenital disorder |
| 8 | 3886 | Cardiac trauma |
| 8 | 3887 | Other cardiac diseases |
| 8 | 3890 | Arterial inflammation |
| 8 | 3892 | Arterial embolism/thrombosis |
| 8 | 3895 | Atherosclerosis |
| 8 | 3897 | Arterial aneurysm except aorta |
| 8 | 3898 | Other non-inflammatory arterial diseases |

| | | |
|---|---|---|
| 8 | 3901 | Arterial trauma |
| 8 | 3903 | Embolism & thrombosis of veins |
| 8 | 3904 | Disorders of lymphatic channels |
| 8 | 3905 | Phlebitis & thrombophlebitis of veins |
| 8 | 3906 | Varicose veins of lower extremity |
| 8 | 3907 | Other minor inflammatory diseases of veins |
| 8 | 3909 | Venous trauma |
| 8 | 3910 | Other diseases of veins |
| 8 | 3999 | Cardiovascular diseases signs & symptoms |
| 9 | 4020 | Infections of oral cavity |
| 9 | 4022 | Inflammation of oral cavity |
| 9 | 4024 | Trauma of oral cavity |
| 9 | 4026 | Other diseases of oral cavity |
| 9 | 4029 | Otitis media |
| 9 | 4031 | Tonsillitis or adenoiditis or pharyngitis |
| 9 | 4032 | Allergic rhinitis |
| 9 | 4033 | Acute sinusitis |
| 9 | 4035 | Chronic sinusitis |
| 9 | 4037 | Other infections of ear/nose/throat |
| 9 | 4041 | Other inflammatory conditions of ear/nose/throat |
| 9 | 4043 | Malignant neoplasm of ear/nose/throat |
| 9 | 4045 | Non-malignant neoplasm of ear/nose/throat |
| 9 | 4047 | Congenital & acquired anomalies of ear/nose/throat |
| 9 | 4049 | Hearing disorders |
| 9 | 4051 | Trauma to ear/nose/throat |
| 9 | 4053 | Other disorders of ear/nose/throat |
| 9 | 4099 | Otolaryngology diseases signs & symptoms |
| 10 | 4370 | Lung transplant |
| 10 | 4372 | Viral pneumonia |
| 10 | 4374 | Bacterial lung infections |
| 10 | 4376 | Fungal & other pneumonia |
| 10 | 4378 | Pulmonary tuberculosis |
| 10 | 4380 | Disseminated tuberculosis |
| 10 | 4383 | Acute bronchitis |
| 10 | 4385 | Minor infectious pulmonary diseases other than acute bronchitis |
| 10 | 4388 | Asthma |
| 10 | 4393 | Chronic obstructive pulmonary disease |
| 10 | 4397 | Occupational & environmental pulmonary diseases |
| 10 | 4398 | Other inflammatory lung diseases |
| 10 | 4400 | Malignant lung metastases |
| 10 | 4401 | Malignant neoplasm of pulmonary system |
| 10 | 4403 | Non-malignant neoplasm of pulmonary system |
| 10 | 4404 | Open chest trauma |
| 10 | 4406 | Closed chest trauma |
| 10 | 4408 | Pulmonary congenital anomalies |
| 10 | 4410 | Pulmonary embolism |
| 10 | 4412 | Acute respiratory distress syndrome |
| 10 | 4415 | Other pulmonary disorders |
| 10 | 4499 | Pulmonology diseases signs & symptoms |
| 11 | 4731 | Infection of stomach & esophagus |
| 11 | 4733 | Inflammation of esophagus |

| 11 | 4735 | Gastritis &/or duodenitis |
|----|------|---------------------------|
| 11 | 4738 | Ulcer |
| 11 | 4740 | Malignant neoplasm of stomach & esophagus |
| 11 | 4742 | Non-malignant neoplasm of stomach & esophagus |
| 11 | 4744 | Trauma of stomach or esophagus |
| 11 | 4745 | Anomaly of stomach or esophagus |
| 11 | 4747 | Appendicitis |
| 11 | 4749 | Diverticulitis |
| 11 | 4750 | Other infectious diseases of intestines & abdomen |
| 11 | 4752 | Other inflammation of intestines & abdomen |
| 11 | 4753 | Inflammatory bowel disease |
| 11 | 4754 | Malignant neoplasm of large intestine |
| 11 | 4755 | Malignant neoplasm of small intestine & abdomen |
| 11 | 4756 | Non-malignant neoplasm of intestines & abdomen |
| 11 | 4758 | Trauma of intestines & abdomen |
| 11 | 4760 | Congenital anomalies of intestines & abdomen |
| 11 | 4761 | Vascular diseases of intestines & abdomen |
| 11 | 4763 | Bowel obstruction |
| 11 | 4764 | Irritable bowel syndrome |
| 11 | 4766 | Hernias except hiatal |
| 11 | 4768 | Hiatal hernia |
| 11 | 4769 | Other diseases of intestines & abdomen |
| 11 | 4771 | Infection of rectum or anus |
| 11 | 4774 | Hemorrhoids |
| 11 | 4776 | Inflammation of rectum or anus |
| 11 | 4778 | Malignant neoplasm of rectum or anus |
| 11 | 4780 | Non-malignant neoplasm of rectum or anus |
| 11 | 4782 | Open trauma of rectum or anus |
| 11 | 4783 | Closed trauma of rectum or anus |
| 11 | 4785 | Other diseases & disorders of rectum & anus |
| 11 | 4799 | Gastroenterology diseases signs & symptoms |
| 12 | 5210 | Liver transplant |
| 12 | 5214 | Infectious hepatitis |
| 12 | 5216 | Non-infectious hepatitis |
| 12 | 5218 | Cirrhosis |
| 12 | 5219 | Acute pancreatitis |
| 12 | 5220 | Chronic pancreatitis |
| 12 | 5223 | Cholelithiasis |
| 12 | 5224 | Malignant liver metastases |
| 12 | 5225 | Malignant neoplasm of hepatobiliary system |
| 12 | 5227 | Non-malignant neoplasm of hepatobiliary system |
| 12 | 5230 | Trauma of hepatobiliary system |
| 12 | 5232 | Other diseases of hepatobiliary system |
| 12 | 5299 | Hepatology diseases signs & symptoms |
| 13 | 5550 | Kidney transplant |
| 13 | 5552 | Acute renal failure |
| 13 | 5554 | Chronic renal failure |
| 13 | 5556 | Acute renal inflammation |
| 13 | 5558 | Chronic renal inflammation |
| 13 | 5560 | Nephrotic syndrome |
| 13 | 5561 | Other renal conditions |

| | | |
|---|---|---|
| 13 | 5599 | Nephrology diseases signs & symptoms |
| 14 | 5871 | Infection of upper genitourinary system |
| 14 | 5872 | Primary sexually transmitted diseases |
| 14 | 5873 | Disseminated sexually transmitted diseases |
| 14 | 5874 | Infection of lower genitourinary system not sexually transmitted |
| 14 | 5878 | Kidney stones |
| 14 | 5880 | Inflammation of genitourinary system except kidney stones |
| 14 | 5882 | Malignant neoplasm of prostate |
| 14 | 5884 | Non-malignant neoplasm of prostate |
| 14 | 5886 | Malignant neoplasm of genitourinary system except prostate |
| 14 | 5888 | Non-malignant neoplasm of genitourinary system except prostate |
| 14 | 5890 | Trauma to genitourinary system |
| 14 | 5892 | Urinary incontinence |
| 14 | 5893 | Male infertility |
| 14 | 5895 | Other diseases of genitourinary system |
| 14 | 5899 | Urological diseases signs & symptoms |
| 15 | 6011 | Pregnancy with delivery |
| 15 | 6021 | Ectopic pregnancy |
| 15 | 6022 | Spontaneous abortion |
| 15 | 6023 | Induced abortion |
| 15 | 6024 | Pregnancy not yet delivered |
| 15 | 6099 | Obstetric signs & symptoms |
| 16 | 6332 | Infection of ovary &/or fallopian tubes |
| 16 | 6335 | Infection of uterus |
| 16 | 6337 | Infection of cervix |
| 16 | 6339 | Monilial infection of vagina (yeast) |
| 16 | 6340 | Infection of vagina except monilial |
| 16 | 6342 | Endometriosis |
| 16 | 6343 | Inflammatory condition of female genital tract except endometriosis |
| 16 | 6344 | Malignant neoplasm of cervix |
| 16 | 6345 | Malignant neoplasm of ovaries |
| 16 | 6346 | Malignant neoplasm of uterus |
| 16 | 6347 | Non-malignant neoplasm of female genital tract |
| 16 | 6349 | Conditions associated with menstruation |
| 16 | 6351 | Conditions associated with infertility |
| 16 | 6353 | Other diseases of female genital tract |
| 16 | 6356 | Malignant neoplasm of breast |
| 16 | 6358 | Non-malignant neoplasm of breast |
| 16 | 6360 | Other disorders of breast |
| 16 | 6399 | Gynecological signs & symptoms |
| 17 | 6667 | Acne |
| 17 | 6668 | Contact dermatitis |
| 17 | 6669 | Psoriasis |
| 17 | 6670 | Chronic skin ulcers |
| 17 | 6672 | Bacterial infection of skin |
| 17 | 6673 | Viral skin infection |
| 17 | 6675 | Fungal skin infection |
| 17 | 6676 | Parasitic skin infection |
| 17 | 6678 | Other inflammation of skin |
| 17 | 6680 | Major malignant neoplasm of skin |
| 17 | 6681 | Minor malignant neoplasm of skin |

| | | |
|---|---|---|
| 17 | 6682 | Non-malignant neoplasm of skin |
| 17 | 6687 | Burns |
| 17 | 6689 | Open wound |
| 17 | 6690 | Skin trauma except burn & open wound |
| 17 | 6691 | Other skin disorders |
| 17 | 6699 | Dermatological signs & symptoms |
| 18 | 7111 | Infection of bone & joint |
| 18 | 7112 | Juvenile rheumatoid arthritis |
| 18 | 7114 | Adult rheumatoid arthritis |
| 18 | 7116 | Lupus |
| 18 | 7117 | Autoimmune rheumatologic diseases except lupus |
| 18 | 7119 | Major joint inflammation |
| 18 | 7120 | Osteoporosis |
| 18 | 7122 | Localized joint degeneration |
| 18 | 7129 | Open fracture or dislocation of lower extremity |
| 18 | 7131 | Closed fracture or dislocation of lower extremity |
| 18 | 7136 | Malignant bone metastases |
| 18 | 7138 | Malignant neoplasm of bone & connective tissue of head & neck |
| 18 | 7139 | Malignant neoplasm of bone & connective tissue of other than head & neck |
| 18 | 7140 | Non-malignant neoplasm of bone & connective tissue of head & neck |
| 18 | 7141 | Non-malignant neoplasm of bone & connective tissue of other than head & neck |
| 18 | 7143 | Joint derangement |
| 18 | 7145 | Major trauma other than fracture or dislocation |
| 18 | 7146 | Minor orthopedic trauma |
| 18 | 7148 | Bursitis & tendinitis |
| 18 | 7149 | Other minor orthopedic disorders |
| 18 | 7151 | Orthopedic deformity |
| 18 | 7199 | Orthopedic signs & symptoms |
| 19 | 7480 | Uncomplicated neonatal management |
| 19 | 7481 | Chromosomal anomalies |
| 19 | 7483 | Chemical dependency related disorders of antenatal origin |
| 19 | 7484 | Mechanical related disorders of antenatal origin |
| 19 | 7485 | Other disorders of antenatal origin |
| 19 | 7487 | Other neonatal disorders of perinatal origin |
| 19 | 7499 | Neonatal diseases signs & symptoms |
| 20 | 7790 | Exposure to infectious diseases |
| 20 | 7791 | Routine inoculation |
| 20 | 7792 | Non-routine inoculation |
| 20 | 7793 | Prophylactic procedures other than inoculation & exposure to infectious diseases |
| 20 | 7794 | Routine exam |
| 20 | 7796 | Contraceptive management |
| 20 | 7797 | Conditional exam |
| 20 | 7798 | Major specific procedures not classified elsewhere |
| 20 | 7800 | Minor specific procedures not classified elsewhere |
| 20 | 7801 | Other preventative & administrative services |
| 20 | 7802 | Administrative services |
| 21 | 8210 | Late effects & late complications |
| 21 | 8211 | Environmental trauma |
| 21 | 8212 | Poisonings & toxic effects of drugs |
| 22 | 8699 | Isolated signs or symptoms & non-specific diagnoses or conditions |

# APPENDIX C: RAW RESULTS

## Table 9: The first 1500 association rules with the strongest lift.

| | lhs | | rhs | support | confidence | lift | count |
|---|---|---|---|---|---|---|---|
| [1] | {1308,1651,7798,8210} | => | {5550} | 1.14E-06 | 0.87500 | 17368.86 | 7 |
| [2] | {1308,7798,8210} | => | {5550} | 1.80E-06 | 0.84615 | 16796.26 | 11 |
| [3] | {1308,1651,7798} | => | {5550} | 1.31E-06 | 0.72727 | 14436.45 | 8 |
| [4] | {1304,2391,7111,7122} | => | {3148} | 1.31E-06 | 0.40000 | 11427.73 | 8 |
| [5] | {1651,3165,7111,7122} | => | {3148} | 1.31E-06 | 0.38095 | 10883.56 | 8 |
| [6] | {4752,5554,7797} | => | {5210} | 1.47E-06 | 0.21951 | 10823.08 | 9 |
| [7] | {3881,4752,5554,7797} | => | {5210} | 1.14E-06 | 0.20588 | 10151.06 | 7 |
| [8] | {4374,4752,7797} | => | {5210} | 1.31E-06 | 0.20000 | 9861.03 | 8 |
| [9] | {1651,3154,5874,6356} | => | {3153} | 1.14E-06 | 0.87500 | 9851.95 | 7 |
| [10] | {1308,7798} | => | {5550} | 2.62E-06 | 0.48485 | 9624.30 | 16 |
| [11] | {1651,7798,8210} | => | {5550} | 3.27E-06 | 0.45455 | 9022.78 | 20 |
| [12] | {1304,2391,7111} | => | {3148} | 1.47E-06 | 0.30000 | 8570.80 | 9 |
| [13] | {1304,3165,7111,7122} | => | {3148} | 1.14E-06 | 0.29167 | 8332.72 | 7 |
| [14] | {1651,3154,3881,6356} | => | {3153} | 1.64E-06 | 0.71429 | 8042.41 | 10 |
| [15] | {1653,5225} | => | {5224} | 1.80E-06 | 0.36667 | 7472.47 | 11 |
| [16] | {7793,7798} | => | {5550} | 1.96E-06 | 0.36364 | 7218.23 | 12 |
| [17] | {1630,1651,3154,6356} | => | {3153} | 1.14E-06 | 0.63636 | 7165.05 | 7 |
| [18] | {1651,3154,6356} | => | {3153} | 2.94E-06 | 0.62069 | 6988.58 | 18 |
| [19] | {1304,3177,7111,7122} | => | {3148} | 1.14E-06 | 0.24138 | 6896.05 | 7 |
| [20] | {2388,5554,7111,7122} | => | {3148} | 1.14E-06 | 0.24138 | 6896.05 | 7 |
| [21] | {2391,7111,7122} | => | {3148} | 1.31E-06 | 0.23529 | 6722.20 | 8 |
| [22] | {1304,7111,7122,7149} | => | {3148} | 1.14E-06 | 0.23333 | 6666.18 | 7 |
| [23] | {3165,3881,7111,7122} | => | {3148} | 1.47E-06 | 0.23077 | 6592.92 | 9 |
| [24] | {1306,1651,7111,7122} | => | {3148} | 1.96E-06 | 0.23077 | 6592.92 | 12 |
| [25] | {1304,1306,7111,7122} | => | {3148} | 1.96E-06 | 0.22642 | 6468.53 | 12 |
| [26] | {1304,5554,7111,7122} | => | {3148} | 2.29E-06 | 0.22581 | 6451.14 | 14 |
| [27] | {3154,5874,6356} | => | {3153} | 1.47E-06 | 0.56250 | 6333.40 | 9 |
| [28] | {1304,7111,7122,7794} | => | {3148} | 1.31E-06 | 0.21622 | 6177.15 | 8 |
| [29] | {1304,4752,7111} | => | {3148} | 1.14E-06 | 0.20588 | 5881.92 | 7 |
| [30] | {1304,1306,1651,7111} | => | {3148} | 1.47E-06 | 0.20455 | 5843.73 | 9 |
| [31] | {6682,7798,8210} | => | {5550} | 1.31E-06 | 0.27586 | 5475.90 | 8 |
| [32] | {3152,3154,6356} | => | {3153} | 1.14E-06 | 0.46667 | 5254.37 | 7 |
| [33] | {1630,3154,6356} | => | {3153} | 1.14E-06 | 0.43750 | 4925.97 | 7 |
| [34] | {2068,7797,8210} | => | {5550} | 1.14E-06 | 0.23333 | 4631.70 | 7 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| [35] | {3881,4383,5225} | => | {5224} | 1.47E-06 | 0.22500 | 4585.38 | 9 |
| [36] | {3152,3171,6356} | => | {3153} | 1.14E-06 | 0.38889 | 4378.64 | 7 |
| [37] | {3154,3881,6356} | => | {3153} | 2.29E-06 | 0.37838 | 4260.30 | 14 |
| [38] | {1308,1647,8210} | => | {5550} | 1.31E-06 | 0.20000 | 3970.03 | 8 |
| [39] | {1645,3163,3881,4406} | => | {5230} | 1.14E-06 | 0.58333 | 3847.26 | 7 |
| [40] | {3866,3883,7151} | => | {4408} | 1.14E-06 | 0.35000 | 3767.33 | 7 |
| [41] | {5218,5224} | => | {5225} | 1.31E-06 | 0.80000 | 3756.58 | 8 |
| [42] | {5223,5224,7794} | => | {5225} | 1.14E-06 | 0.77778 | 3652.23 | 7 |
| [43] | {3154,6356} | => | {3153} | 5.72E-06 | 0.31532 | 3550.25 | 35 |
| [44] | {3881,4383,5224} | => | {5225} | 1.47E-06 | 0.75000 | 3521.80 | 9 |
| [45] | {4752,5220,5225} | => | {1631} | 1.14E-06 | 0.70000 | 3279.45 | 7 |
| [46] | {4733,5220,5225} | => | {1631} | 1.14E-06 | 0.70000 | 3279.45 | 7 |
| [47] | {3881,5223,5224} | => | {5225} | 1.80E-06 | 0.68750 | 3228.31 | 11 |
| [48] | {4043,4412} | => | {7138} | 1.14E-06 | 0.25000 | 3184.29 | 7 |
| [49] | {5220,5225,6678} | => | {1631} | 1.31E-06 | 0.66667 | 3123.29 | 8 |
| [50] | {1651,3881,5220,5225} | => | {1631} | 1.31E-06 | 0.66667 | 3123.29 | 8 |
| [51] | {3163,3887,4406} | => | {5230} | 1.14E-06 | 0.46667 | 3077.80 | 7 |
| [52] | {3154,6356,7122} | => | {3153} | 1.47E-06 | 0.27273 | 3070.74 | 9 |
| [53] | {3881,5220,5225} | => | {1631} | 2.94E-06 | 0.64286 | 3011.74 | 18 |
| [54] | {4404,7131} | => | {5230} | 1.64E-06 | 0.45455 | 2997.86 | 10 |
| [55] | {1630,2068,3881,5220} | => | {1631} | 1.14E-06 | 0.63636 | 2981.32 | 7 |
| [56] | {1304,5220,5223,5232} | => | {1631} | 1.14E-06 | 0.63636 | 2981.32 | 7 |
| [57] | {2402,3167,4031,7481} | => | {2404} | 1.14E-06 | 0.41176 | 2883.69 | 7 |
| [58] | {5223,5224} | => | {5225} | 3.43E-06 | 0.60000 | 2817.44 | 21 |
| [59] | {1630,5220,5223,5232} | => | {1631} | 1.96E-06 | 0.60000 | 2810.96 | 12 |
| [60] | {3883,4768,7794} | => | {4408} | 1.14E-06 | 0.25926 | 2790.62 | 7 |
| [61] | {1651,2068,5220} | => | {1631} | 2.29E-06 | 0.58333 | 2732.88 | 14 |
| [62] | {1651,2068,3881,5220} | => | {1631} | 1.14E-06 | 0.58333 | 2732.88 | 7 |
| [63] | {4383,5224} | => | {5225} | 1.80E-06 | 0.57895 | 2718.58 | 11 |
| [64] | {4374,4404} | => | {5230} | 1.14E-06 | 0.41176 | 2715.71 | 7 |
| [65] | {3866,3883,4383} | => | {4408} | 1.14E-06 | 0.25000 | 2690.95 | 7 |
| [66] | {4752,5224} | => | {5225} | 1.31E-06 | 0.57143 | 2683.27 | 8 |
| [67] | {1651,5223,5224} | => | {5225} | 1.31E-06 | 0.57143 | 2683.27 | 8 |
| [68] | {3881,5220,5223,5225} | => | {1631} | 1.31E-06 | 0.57143 | 2677.11 | 8 |
| [69] | {5220,5225} | => | {1631} | 4.91E-06 | 0.56604 | 2651.85 | 30 |
| [70] | {4043,7139} | => | {7138} | 1.80E-06 | 0.20755 | 2643.56 | 11 |
| [71] | {1651,3152,6356} | => | {3153} | 1.80E-06 | 0.23404 | 2635.17 | 11 |
| [72] | {3142,3150} | => | {3143} | 1.14E-06 | 0.35000 | 2625.58 | 7 |
| [73] | {3154,4043} | => | {7138} | 1.14E-06 | 0.20588 | 2622.36 | 7 |
| [74] | {1651,5220,5225} | => | {1631} | 1.80E-06 | 0.55000 | 2576.71 | 11 |
| [75] | {3881,5224,7794} | => | {5225} | 1.96E-06 | 0.54545 | 2561.31 | 12 |
| [76] | {1645,4043,6680} | => | {7138} | 1.14E-06 | 0.20000 | 2547.43 | 7 |
| [77] | {3165,4033,4406} | => | {5230} | 1.31E-06 | 0.38095 | 2512.49 | 8 |

| [78] | {3866,3883,7487} | => | {4408} | 2.13E-06 | 0.23214 | 2498.74 | 13 |
|------|------------------|-----|--------|----------|---------|---------|-----|
| [79] | {2068,5220,5223} | => | {1631} | 1.47E-06 | 0.52941 | 2480.26 | 9 |
| [80] | {1630,2068,5220} | => | {1631} | 1.47E-06 | 0.52941 | 2480.26 | 9 |
| [81] | {1630,5220,5225} | => | {1631} | 1.64E-06 | 0.52632 | 2465.75 | 10 |
| [82] | {3152,3160,4401} | => | {3153} | 1.14E-06 | 0.21875 | 2462.99 | 7 |
| [83] | {3165,4406,4758} | => | {5230} | 1.14E-06 | 0.36842 | 2429.85 | 7 |
| [84] | {2089,3163,4374,7131} | => | {5230} | 1.14E-06 | 0.36842 | 2429.85 | 7 |
| [85] | {2089,3163,4406,7131} | => | {5230} | 1.47E-06 | 0.36000 | 2374.31 | 9 |
| [86] | {3866,3883,7487,7794} | => | {4408} | 1.47E-06 | 0.21951 | 2362.79 | 9 |
| [87] | {1651,4733,5224} | => | {5225} | 1.14E-06 | 0.50000 | 2347.86 | 7 |
| [88] | {4755,5220,5223} | => | {1631} | 1.14E-06 | 0.50000 | 2342.47 | 7 |
| [89] | {3163,3881,4374,4406} | => | {5230} | 1.31E-06 | 0.34783 | 2294.02 | 8 |
| [90] | {1651,3152,7481} | => | {2404} | 1.31E-06 | 0.32000 | 2241.04 | 8 |
| [91] | {4752,4769,5220} | => | {1631} | 1.64E-06 | 0.47619 | 2230.92 | 10 |
| [92] | {2089,3177,3890,3903} | => | {3892} | 1.14E-06 | 0.70000 | 2224.37 | 7 |
| [93] | {1630,4752,5220,5223} | => | {1631} | 1.47E-06 | 0.47368 | 2219.18 | 9 |
| [94] | {1622,3881,5224} | => | {5225} | 1.31E-06 | 0.47059 | 2209.75 | 8 |
| [95] | {1651,4755,5223} | => | {5225} | 1.31E-06 | 0.47059 | 2209.75 | 8 |
| [96] | {1304,4752,5220,5223} | => | {1631} | 1.31E-06 | 0.47059 | 2204.68 | 8 |
| [97] | {2089,6022,6682} | => | {6099} | 1.31E-06 | 0.30769 | 2200.21 | 8 |
| [98] | {2089,3165,4406} | => | {5230} | 1.80E-06 | 0.33333 | 2198.43 | 11 |
| [99] | {2089,3163,4406} | => | {5230} | 2.13E-06 | 0.33333 | 2198.43 | 13 |
| [100] | {5554,7136} | => | {2079} | 2.29E-06 | 0.77778 | 2192.35 | 14 |
| [101] | {3881,3903,7136} | => | {2079} | 1.14E-06 | 0.77778 | 2192.35 | 7 |
| [102] | {2076,5224} | => | {5225} | 1.14E-06 | 0.46667 | 2191.34 | 7 |
| [103] | {2069,5224} | => | {5225} | 1.14E-06 | 0.46667 | 2191.34 | 7 |
| [104] | {1304,5224} | => | {5225} | 1.14E-06 | 0.46667 | 2191.34 | 7 |
| [105] | {1631,5223,7791} | => | {5225} | 1.14E-06 | 0.46667 | 2191.34 | 7 |
| [106] | {1651,3881,4755,5223} | => | {5225} | 1.14E-06 | 0.46667 | 2191.34 | 7 |
| [107] | {5223,5225,7791} | => | {1631} | 1.14E-06 | 0.46667 | 2186.30 | 7 |
| [108] | {3881,4415,5220,5223} | => | {1631} | 1.14E-06 | 0.46667 | 2186.30 | 7 |
| [109] | {2089,3881,5220,5223} | => | {1631} | 1.14E-06 | 0.46667 | 2186.30 | 7 |
| [110] | {2392,3152,6675} | => | {2404} | 1.14E-06 | 0.30435 | 2131.42 | 7 |
| [111] | {6345,7139} | => | {4755} | 1.14E-06 | 0.38889 | 2130.47 | 7 |
| [112] | {4755,5220} | => | {1631} | 2.29E-06 | 0.45161 | 2115.78 | 14 |
| [113] | {1304,3881,7136} | => | {2079} | 1.47E-06 | 0.75000 | 2114.05 | 9 |
| [114] | {1651,7136,7794} | => | {2079} | 1.47E-06 | 0.75000 | 2114.05 | 9 |
| [115] | {3887,4758} | => | {5230} | 1.31E-06 | 0.32000 | 2110.49 | 8 |
| [116] | {1645,3163,4406} | => | {5230} | 1.31E-06 | 0.32000 | 2110.49 | 8 |
| [117] | {5219,5225} | => | {1631} | 1.47E-06 | 0.45000 | 2108.22 | 9 |
| [118] | {5220,5223,5225} | => | {1631} | 1.47E-06 | 0.45000 | 2108.22 | 9 |
| [119] | {1645,5224} | => | {5225} | 1.31E-06 | 0.44444 | 2086.99 | 8 |
| [120] | {5224,6682} | => | {5225} | 1.31E-06 | 0.44444 | 2086.99 | 8 |

| | | | | | | |
|---|---|---|---|---|---|---|
| [121] | {1647,4740,7139} | => | {4755} | 1.31E-06 | 0.38095 | 2086.99 | 8 |
| [122] | {1630,1651,5220,5232} | => | {1631} | 1.96E-06 | 0.44444 | 2082.19 | 12 |
| [123] | {3881,5554,7136} | => | {2079} | 1.80E-06 | 0.73333 | 2067.07 | 11 |
| [124] | {1647,3881,5224} | => | {5225} | 1.80E-06 | 0.44000 | 2066.12 | 11 |
| [125] | {1631,4756,5223} | => | {5225} | 1.14E-06 | 0.43750 | 2054.38 | 7 |
| [126] | {2073,4755} | => | {7139} | 1.31E-06 | 0.88889 | 2051.54 | 8 |
| [127] | {7136,8210} | => | {2079} | 1.31E-06 | 0.72727 | 2049.99 | 8 |
| [128] | {1304,1645,4752,5220} | => | {1631} | 1.14E-06 | 0.43750 | 2049.66 | 7 |
| [129] | {4733,5224} | => | {5225} | 2.78E-06 | 0.43590 | 2046.86 | 17 |
| [130] | {3890,3903,6689,7199} | => | {3892} | 1.14E-06 | 0.63636 | 2022.15 | 7 |
| [131] | {1631,5224} | => | {5225} | 1.47E-06 | 0.42857 | 2012.46 | 9 |
| [132] | {2089,3163,3887} | => | {5230} | 1.14E-06 | 0.30435 | 2007.26 | 7 |
| [133] | {2406,3163,4406,7131} | => | {5230} | 1.14E-06 | 0.30435 | 2007.26 | 7 |
| [134] | {4740,7139,7794} | => | {4755} | 1.96E-06 | 0.36364 | 1992.13 | 12 |
| [135] | {1647,5224} | => | {5225} | 2.62E-06 | 0.42105 | 1977.15 | 16 |
| [136] | {3881,4733,5224} | => | {5225} | 1.31E-06 | 0.42105 | 1977.15 | 8 |
| [137] | {1645,7136} | => | {2079} | 1.14E-06 | 0.70000 | 1973.12 | 7 |
| [138] | {1304,1651,7136} | => | {2079} | 1.14E-06 | 0.70000 | 1973.12 | 7 |
| [139] | {1651,3881,7136,7794} | => | {2079} | 1.14E-06 | 0.70000 | 1973.12 | 7 |
| [140] | {3517,3881,7136} | => | {2079} | 1.47E-06 | 0.69231 | 1951.43 | 9 |
| [141] | {2068,3152,4401} | => | {3154} | 1.31E-06 | 0.72727 | 1949.33 | 8 |
| [142] | {2089,3163,3165,7131} | => | {5230} | 1.64E-06 | 0.29412 | 1939.79 | 10 |
| [143] | {5224,7199} | => | {5225} | 1.14E-06 | 0.41176 | 1933.54 | 7 |
| [144] | {4799,5224} | => | {5225} | 1.14E-06 | 0.41176 | 1933.54 | 7 |
| [145] | {2068,5220,7122} | => | {1631} | 1.14E-06 | 0.41176 | 1929.09 | 7 |
| [146] | {4415,5220,5223} | => | {1631} | 1.14E-06 | 0.41176 | 1929.09 | 7 |
| [147] | {4406,4758,7131} | => | {5230} | 1.14E-06 | 0.29167 | 1923.63 | 7 |
| [148] | {2089,4406,7149} | => | {5230} | 1.14E-06 | 0.29167 | 1923.63 | 7 |
| [149] | {1651,6345,8210} | => | {4755} | 1.14E-06 | 0.35000 | 1917.42 | 7 |
| [150] | {4763,7139} | => | {4755} | 1.64E-06 | 0.34483 | 1889.09 | 10 |
| [151] | {3152,5874,7481} | => | {2404} | 1.14E-06 | 0.26923 | 1885.49 | 7 |
| [152] | {1622,5224} | => | {5225} | 1.96E-06 | 0.40000 | 1878.29 | 12 |
| [153] | {1631,3881,5223,6678} | => | {5225} | 1.31E-06 | 0.40000 | 1878.29 | 8 |
| [154] | {3881,4037,5225} | => | {1631} | 1.31E-06 | 0.40000 | 1873.97 | 8 |
| [155] | {4769,5220,5232} | => | {1631} | 1.31E-06 | 0.40000 | 1873.97 | 8 |
| [156] | {3881,5220,5223,5232} | => | {1631} | 1.64E-06 | 0.40000 | 1873.97 | 10 |
| [157] | {2089,2716,3895,6672} | => | {3892} | 1.14E-06 | 0.58333 | 1853.64 | 7 |
| [158] | {1306,1651,3895,7149} | => | {3892} | 1.14E-06 | 0.58333 | 1853.64 | 7 |
| [159] | {2089,3177,3890,7151} | => | {3892} | 1.14E-06 | 0.58333 | 1853.64 | 7 |
| [160] | {5224,6678} | => | {5225} | 1.80E-06 | 0.39286 | 1844.75 | 11 |
| [161] | {5224,5552} | => | {5225} | 1.14E-06 | 0.38889 | 1826.12 | 7 |
| [162] | {3881,5218,5223,8210} | => | {5225} | 1.14E-06 | 0.38889 | 1826.12 | 7 |
| [163] | {1306,4752,5220} | => | {1631} | 1.14E-06 | 0.38889 | 1821.92 | 7 |

| [164] | {1651,3881,3903,5225} | => | {1631} | 1.14E-06 | 0.38889 | 1821.92 | 7 |
|---|---|---|---|---|---|---|---|
| [165] | {1304,1651,5220,5223} | => | {1631} | 2.29E-06 | 0.38889 | 1821.92 | 14 |
| [166] | {5884,7136} | => | {2079} | 1.47E-06 | 0.64286 | 1812.04 | 9 |
| [167] | {1651,3881,7136} | => | {2079} | 2.62E-06 | 0.64000 | 1803.99 | 16 |
| [168] | {3165,3881,7136} | => | {2079} | 1.14E-06 | 0.63636 | 1793.74 | 7 |
| [169] | {2068,5224} | => | {5225} | 1.31E-06 | 0.38095 | 1788.85 | 8 |
| [170] | {3881,5223,5225,6678} | => | {1631} | 1.31E-06 | 0.38095 | 1784.74 | 8 |
| [171] | {3881,5220,5223,8699} | => | {1631} | 1.31E-06 | 0.38095 | 1784.74 | 8 |
| [172] | {3517,7136} | => | {2079} | 1.96E-06 | 0.63158 | 1780.25 | 12 |
| [173] | {2089,4374,4406} | => | {5230} | 1.14E-06 | 0.26923 | 1775.66 | 7 |
| [174] | {1645,4374,4406} | => | {5230} | 1.31E-06 | 0.26667 | 1758.75 | 8 |
| [175] | {1630,3163,3881,4406} | => | {5230} | 1.31E-06 | 0.26667 | 1758.75 | 8 |
| [176] | {5220,5223,5232} | => | {1631} | 2.94E-06 | 0.37500 | 1756.85 | 18 |
| [177] | {1651,3167,7481} | => | {2404} | 1.14E-06 | 0.25000 | 1750.81 | 7 |
| [178] | {2402,3152,3167,7481} | => | {2404} | 1.14E-06 | 0.25000 | 1750.81 | 7 |
| [179] | {1304,3152,3167,3171} | => | {2404} | 1.14E-06 | 0.25000 | 1750.81 | 7 |
| [180] | {1651,3881,5224} | => | {5225} | 2.62E-06 | 0.37209 | 1747.25 | 16 |
| [181] | {7136,7199,7794} | => | {2079} | 1.31E-06 | 0.61538 | 1734.61 | 8 |
| [182] | {4099,5224} | => | {5225} | 1.14E-06 | 0.36842 | 1730.01 | 7 |
| [183] | {1631,5214} | => | {5225} | 1.14E-06 | 0.36842 | 1730.01 | 7 |
| [184] | {3881,5224,6678} | => | {5225} | 1.14E-06 | 0.36842 | 1730.01 | 7 |
| [185] | {3881,5225,5232} | => | {1631} | 1.14E-06 | 0.36842 | 1726.03 | 7 |
| [186] | {4756,5223,5225} | => | {1631} | 1.14E-06 | 0.36842 | 1726.03 | 7 |
| [187] | {1630,4401,5220} | => | {1631} | 1.14E-06 | 0.36842 | 1726.03 | 7 |
| [188] | {2068,3881,5220} | => | {1631} | 1.80E-06 | 0.36667 | 1717.81 | 11 |
| [189] | {3890,3895,7199,8210} | => | {3892} | 1.14E-06 | 0.53846 | 1711.05 | 7 |
| [190] | {3163,4406,4758} | => | {5230} | 1.14E-06 | 0.25926 | 1709.89 | 7 |
| [191] | {3163,4374,4406} | => | {5230} | 2.29E-06 | 0.25926 | 1709.89 | 14 |
| [192] | {1630,2089,4406} | => | {5230} | 1.14E-06 | 0.25926 | 1709.89 | 7 |
| [193] | {1630,3881,5220,5882} | => | {1631} | 1.31E-06 | 0.36364 | 1703.61 | 8 |
| [194] | {2089,4406,6689} | => | {5230} | 1.31E-06 | 0.25806 | 1702.01 | 8 |
| [195] | {1645,4406,7131} | => | {5230} | 1.31E-06 | 0.25806 | 1702.01 | 8 |
| [196] | {2402,3152,7151,7481} | => | {2404} | 1.14E-06 | 0.24138 | 1690.44 | 7 |
| [197] | {2402,2406,3152,4029} | => | {2404} | 1.14E-06 | 0.24138 | 1690.44 | 7 |
| [198] | {4400,7149} | => | {4403} | 1.14E-06 | 0.41176 | 1689.57 | 7 |
| [199] | {2089,4406,7131} | => | {5230} | 2.29E-06 | 0.25455 | 1678.80 | 14 |
| [200] | {2068,5220} | => | {1631} | 4.09E-06 | 0.35714 | 1673.19 | 25 |
| [201] | {5223,5225,5874} | => | {1631} | 1.64E-06 | 0.35714 | 1673.19 | 10 |
| [202] | {1647,5223,5225} | => | {1631} | 1.96E-06 | 0.35294 | 1653.51 | 12 |
| [203] | {1304,1630,5220,5223} | => | {1631} | 1.96E-06 | 0.35294 | 1653.51 | 12 |
| [204] | {2089,4758} | => | {5230} | 3.43E-06 | 0.25000 | 1648.82 | 21 |
| [205] | {3165,4406,4415} | => | {5230} | 1.47E-06 | 0.25000 | 1648.82 | 9 |
| [206] | {1653,5225} | => | {4755} | 1.47E-06 | 0.30000 | 1643.51 | 9 |

| [207] | {3881,4756,5224} | => | {5225} | 1.14E-06 | 0.35000 | 1643.51 | 7 |
|---|---|---|---|---|---|---|---|
| [208] | {4752,5223,5225} | => | {1631} | 1.14E-06 | 0.35000 | 1639.73 | 7 |
| [209] | {1630,1651,4769,5220} | => | {1631} | 1.14E-06 | 0.35000 | 1639.73 | 7 |
| [210] | {3152,4374,4397,4733} | => | {2404} | 1.14E-06 | 0.23333 | 1634.09 | 7 |
| [211] | {2089,3903,5220} | => | {1631} | 1.31E-06 | 0.34783 | 1629.54 | 8 |
| [212] | {3881,5223,5225,5874} | => | {1631} | 1.31E-06 | 0.34783 | 1629.54 | 8 |
| [213] | {1651,5220,5223,6678} | => | {1631} | 1.31E-06 | 0.34783 | 1629.54 | 8 |
| [214] | {2393,2406,2715,2716} | => | {2711} | 1.31E-06 | 0.33333 | 1629.05 | 8 |
| [215] | {1631,3865,3881,5223} | => | {5225} | 1.47E-06 | 0.34615 | 1625.44 | 9 |
| [216] | {3903,5220,7794} | => | {1631} | 1.64E-06 | 0.34483 | 1615.49 | 10 |
| [217] | {3163,3881,4406,7131} | => | {5230} | 1.80E-06 | 0.24444 | 1612.18 | 11 |
| [218] | {3881,7136,7794} | => | {2079} | 2.62E-06 | 0.57143 | 1610.71 | 16 |
| [219] | {3881,4752,5225} | => | {1631} | 1.80E-06 | 0.34375 | 1610.45 | 11 |
| [220] | {1304,3881,4752,5220} | => | {1631} | 1.80E-06 | 0.34375 | 1610.45 | 11 |
| [221] | {1651,3163,4406} | => | {5230} | 1.64E-06 | 0.24390 | 1608.61 | 10 |
| [222] | {1630,3163,4406} | => | {5230} | 1.47E-06 | 0.24324 | 1604.26 | 9 |
| [223] | {1630,5224} | => | {5225} | 2.78E-06 | 0.34000 | 1596.55 | 17 |
| [224] | {2089,6022,6351} | => | {6099} | 1.31E-06 | 0.22222 | 1589.04 | 8 |
| [225] | {2089,3177,3890,3895} | => | {3892} | 1.47E-06 | 0.50000 | 1588.84 | 9 |
| [226] | {2402,3152,4031,7481} | => | {2404} | 1.14E-06 | 0.22581 | 1581.38 | 7 |
| [227] | {7136,7794} | => | {2079} | 4.58E-06 | 0.56000 | 1578.49 | 28 |
| [228] | {1631,3517,5223} | => | {5225} | 1.31E-06 | 0.33333 | 1565.24 | 8 |
| [229] | {4404} | => | {5230} | 5.23E-06 | 0.23704 | 1563.33 | 32 |
| [230] | {3517,5223,5225} | => | {1631} | 1.31E-06 | 0.33333 | 1561.64 | 8 |
| [231] | {1630,5223,5225} | => | {1631} | 2.94E-06 | 0.33333 | 1561.64 | 18 |
| [232] | {4752,5220,5232} | => | {1631} | 1.14E-06 | 0.33333 | 1561.64 | 7 |
| [233] | {1304,1630,4752,5220} | => | {1631} | 1.31E-06 | 0.33333 | 1561.64 | 8 |
| [234] | {1630,5220,5223,5874} | => | {1631} | 1.80E-06 | 0.33333 | 1561.64 | 11 |
| [235] | {1630,4752,5223,5232} | => | {1631} | 1.14E-06 | 0.33333 | 1561.64 | 7 |
| [236] | {2393,2714,2715,2716} | => | {2711} | 1.14E-06 | 0.31818 | 1555.01 | 7 |
| [237] | {2393,2715,2716,6690} | => | {2711} | 1.14E-06 | 0.31818 | 1555.01 | 7 |
| [238] | {1651,7136} | => | {2079} | 3.76E-06 | 0.54762 | 1543.59 | 23 |
| [239] | {3881,4406,5552} | => | {5230} | 1.14E-06 | 0.23333 | 1538.90 | 7 |
| [240] | {3171,3881,4406} | => | {5230} | 1.14E-06 | 0.23333 | 1538.90 | 7 |
| [241] | {2089,3165,3887} | => | {5230} | 1.14E-06 | 0.23333 | 1538.90 | 7 |
| [242] | {3167,4031,7481} | => | {2404} | 1.47E-06 | 0.21951 | 1537.30 | 9 |
| [243] | {2392,3152,7481} | => | {2404} | 1.14E-06 | 0.21875 | 1531.96 | 7 |
| [244] | {1630,3881,5223,5225} | => | {1631} | 2.29E-06 | 0.32558 | 1525.33 | 14 |
| [245] | {5232,7139} | => | {4755} | 1.64E-06 | 0.27778 | 1521.76 | 10 |
| [246] | {3506,7136} | => | {2079} | 1.14E-06 | 0.53846 | 1517.78 | 7 |
| [247] | {1651,7122,7136} | => | {2079} | 1.14E-06 | 0.53846 | 1517.78 | 7 |
| [248] | {1630,3881,5224} | => | {5225} | 1.64E-06 | 0.32258 | 1514.75 | 10 |
| [249] | {3152,3167,4374,7151} | => | {2404} | 1.31E-06 | 0.21622 | 1514.22 | 8 |

| [250] | {3881,5224} | => | {5225} | 7.20E-06 | 0.32117 | 1508.12 | 44 |
|---|---|---|---|---|---|---|---|
| [251] | {1622,2402,4029,4035} | => | {7481} | 1.47E-06 | 0.81818 | 1500.82 | 9 |
| [252] | {1622,3504,3883,7794} | => | {7481} | 1.47E-06 | 0.81818 | 1500.82 | 9 |
| [253] | {1622,4752,5220} | => | {1631} | 1.31E-06 | 0.32000 | 1499.18 | 8 |
| [254] | {1304,5220,5232} | => | {1631} | 1.31E-06 | 0.32000 | 1499.18 | 8 |
| [255] | {5220,5223,8210} | => | {1631} | 1.31E-06 | 0.32000 | 1499.18 | 8 |
| [256] | {1647,3881,5223,5225} | => | {1631} | 1.31E-06 | 0.32000 | 1499.18 | 8 |
| [257] | {1651,5224} | => | {5225} | 3.60E-06 | 0.31884 | 1497.19 | 22 |
| [258] | {1651,3903,5225} | => | {1631} | 1.14E-06 | 0.31818 | 1490.66 | 7 |
| [259] | {1622,5223,5225} | => | {1631} | 1.14E-06 | 0.31818 | 1490.66 | 7 |
| [260] | {4752,5220,8210} | => | {1631} | 1.14E-06 | 0.31818 | 1490.66 | 7 |
| [261] | {1630,5220,5223,5552} | => | {1631} | 1.14E-06 | 0.31818 | 1490.66 | 7 |
| [262] | {1630,3881,4415,5220} | => | {1631} | 1.14E-06 | 0.31818 | 1490.66 | 7 |
| [263] | {1304,1630,1645,5220} | => | {1631} | 1.14E-06 | 0.31818 | 1490.66 | 7 |
| [264] | {4406,4799,6689} | => | {5230} | 1.14E-06 | 0.22581 | 1489.26 | 7 |
| [265] | {5224,7794} | => | {5225} | 3.11E-06 | 0.31667 | 1486.98 | 19 |
| [266] | {2073,4401} | => | {7139} | 1.47E-06 | 0.64286 | 1483.70 | 9 |
| [267] | {7131,7136} | => | {2079} | 1.64E-06 | 0.52632 | 1483.55 | 10 |
| [268] | {3890,3895,7199,7797} | => | {3892} | 1.14E-06 | 0.46667 | 1482.91 | 7 |
| [269] | {3881,5220,5223,6678} | => | {1631} | 1.96E-06 | 0.31579 | 1479.45 | 12 |
| [270] | {7136,7149} | => | {2079} | 1.80E-06 | 0.52381 | 1476.48 | 11 |
| [271] | {2402,3152,3167,7151} | => | {2404} | 1.96E-06 | 0.21053 | 1474.37 | 12 |
| [272] | {3881,4752,5220,5223} | => | {1631} | 1.80E-06 | 0.31429 | 1472.41 | 11 |
| [273] | {2068,4733,6346} | => | {6345} | 1.14E-06 | 0.63636 | 1470.94 | 7 |
| [274] | {1631,1651,3881,5223} | => | {5225} | 2.45E-06 | 0.31250 | 1467.42 | 15 |
| [275] | {2406,4406,7131} | => | {5230} | 1.31E-06 | 0.22222 | 1465.62 | 8 |
| [276] | {4499,5220,5223} | => | {1631} | 1.47E-06 | 0.31034 | 1453.95 | 9 |
| [277] | {1630,3881,4766,5220} | => | {1631} | 1.47E-06 | 0.31034 | 1453.95 | 9 |
| [278] | {3890,3895,5552,5874} | => | {3892} | 1.64E-06 | 0.45455 | 1444.40 | 10 |
| [279] | {3163,4374,7129} | => | {5230} | 1.14E-06 | 0.21875 | 1442.72 | 7 |
| [280] | {1630,5220,5223,6672} | => | {1631} | 1.31E-06 | 0.30769 | 1441.52 | 8 |
| [281] | {3152,3167,4374,4397} | => | {2404} | 1.31E-06 | 0.20513 | 1436.56 | 8 |
| [282] | {1651,3903,5220} | => | {1631} | 2.45E-06 | 0.30612 | 1434.16 | 15 |
| [283] | {1651,3881,5223,5225} | => | {1631} | 2.45E-06 | 0.30612 | 1434.16 | 15 |
| [284] | {2392,3152,6690} | => | {2404} | 1.64E-06 | 0.20408 | 1429.24 | 10 |
| [285] | {1631,1651,3881,3903} | => | {5225} | 1.14E-06 | 0.30435 | 1429.14 | 7 |
| [286] | {1622,2402,3504,4029} | => | {7481} | 1.14E-06 | 0.77778 | 1426.71 | 7 |
| [287] | {1630,4374,4406} | => | {5230} | 1.31E-06 | 0.21622 | 1426.01 | 8 |
| [288] | {1304,1630,5220,5552} | => | {1631} | 1.14E-06 | 0.30435 | 1425.85 | 7 |
| [289] | {1304,1630,5220,6672} | => | {1631} | 1.14E-06 | 0.30435 | 1425.85 | 7 |
| [290] | {2714,2715,5214} | => | {2711} | 1.14E-06 | 0.29167 | 1425.42 | 7 |
| [291] | {2406,2715,2716,4035} | => | {2711} | 1.14E-06 | 0.29167 | 1425.42 | 7 |
| [292] | {4756,5224} | => | {5225} | 1.64E-06 | 0.30303 | 1422.95 | 10 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| [293] | {1630,4769,5220} | => | {1631} | 2.78E-06 | 0.30357 | 1422.21 | 17 |
| [294] | {3881,5552,7139} | => | {4755} | 1.14E-06 | 0.25926 | 1420.31 | 7 |
| [295] | {3903,7136} | => | {2079} | 1.47E-06 | 0.50000 | 1409.37 | 9 |
| [296] | {1304,7136} | => | {2079} | 1.96E-06 | 0.50000 | 1409.37 | 12 |
| [297] | {3881,7136,7199} | => | {2079} | 1.31E-06 | 0.50000 | 1409.37 | 8 |
| [298] | {3881,4740,7139} | => | {4755} | 1.64E-06 | 0.25641 | 1404.71 | 10 |
| [299] | {2402,3167,7481} | => | {2404} | 1.80E-06 | 0.20000 | 1400.65 | 11 |
| [300] | {1651,2392,3152} | => | {2404} | 1.31E-06 | 0.20000 | 1400.65 | 8 |
| [301] | {4740,7139} | => | {4755} | 3.93E-06 | 0.25532 | 1398.73 | 24 |
| [302] | {4769,5220,5223} | => | {1631} | 2.29E-06 | 0.29787 | 1395.51 | 14 |
| [303] | {3881,7136} | => | {2079} | 7.52E-06 | 0.49462 | 1394.21 | 46 |
| [304] | {5218,5223,8210} | => | {5225} | 1.31E-06 | 0.29630 | 1391.33 | 8 |
| [305] | {3165,4406,7149} | => | {5230} | 1.31E-06 | 0.21053 | 1388.48 | 8 |
| [306] | {1630,5220,5882} | => | {1631} | 1.31E-06 | 0.29630 | 1388.13 | 8 |
| [307] | {3881,4769,5220,5223} | => | {1631} | 1.31E-06 | 0.29630 | 1388.13 | 8 |
| [308] | {1306,1651,3881,5220} | => | {1631} | 1.31E-06 | 0.29630 | 1388.13 | 8 |
| [309] | {1651,3881,5220,8699} | => | {1631} | 1.31E-06 | 0.29630 | 1388.13 | 8 |
| [310] | {3890,3895,6689,7199} | => | {3892} | 1.64E-06 | 0.43478 | 1381.60 | 10 |
| [311] | {1651,3165,4406} | => | {5230} | 1.47E-06 | 0.20930 | 1380.41 | 9 |
| [312] | {4374,4406,7131} | => | {5230} | 1.64E-06 | 0.20833 | 1374.02 | 10 |
| [313] | {1630,3881,4769,5220} | => | {1631} | 1.96E-06 | 0.29268 | 1371.20 | 12 |
| [314] | {3517,5224} | => | {5225} | 1.14E-06 | 0.29167 | 1369.59 | 7 |
| [315] | {2388,5224} | => | {5225} | 1.14E-06 | 0.29167 | 1369.59 | 7 |
| [316] | {3875,4374,4763,5874} | => | {4397} | 1.14E-06 | 1.00000 | 1368.97 | 7 |
| [317] | {1651,2393,2715,2716} | => | {2711} | 1.14E-06 | 0.28000 | 1368.41 | 7 |
| [318] | {1651,4752,5225} | => | {1631} | 1.14E-06 | 0.29167 | 1366.44 | 7 |
| [319] | {3881,4735,5220,5223} | => | {1631} | 1.14E-06 | 0.29167 | 1366.44 | 7 |
| [320] | {1647,3881,5220,5882} | => | {1631} | 1.14E-06 | 0.29167 | 1366.44 | 7 |
| [321] | {5224,7149} | => | {5225} | 1.47E-06 | 0.29032 | 1363.28 | 9 |
| [322] | {1630,5220,5223,7794} | => | {1631} | 1.47E-06 | 0.29032 | 1360.14 | 9 |
| [323] | {4406,4758} | => | {5230} | 3.27E-06 | 0.20619 | 1359.86 | 20 |
| [324] | {3163,4758,7131} | => | {5230} | 1.31E-06 | 0.20513 | 1352.88 | 8 |
| [325] | {4752,5220,5223} | => | {1631} | 2.78E-06 | 0.28814 | 1349.90 | 17 |
| [326] | {1304,5220,5223} | => | {1631} | 3.43E-06 | 0.28767 | 1347.72 | 21 |
| [327] | {5224} | => | {5225} | 1.41E-05 | 0.28667 | 1346.11 | 86 |
| [328] | {2716,3890,3895,6689} | => | {3892} | 1.80E-06 | 0.42308 | 1344.40 | 11 |
| [329] | {1631,3865,5223} | => | {5225} | 1.64E-06 | 0.28571 | 1341.64 | 10 |
| [330] | {1631,3881,4037} | => | {5225} | 1.31E-06 | 0.28571 | 1341.64 | 8 |
| [331] | {1631,3881,5223,5874} | => | {5225} | 1.31E-06 | 0.28571 | 1341.64 | 8 |
| [332] | {1304,3881,5218,6678} | => | {5225} | 1.31E-06 | 0.28571 | 1341.64 | 8 |
| [333] | {3165,5874,7139} | => | {3154} | 1.14E-06 | 0.50000 | 1340.17 | 7 |
| [334] | {1630,4415,5220} | => | {1631} | 1.31E-06 | 0.28571 | 1338.55 | 8 |
| [335] | {2089,5220,5223} | => | {1631} | 1.31E-06 | 0.28571 | 1338.55 | 8 |

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| | | | | | | | |
|---|---|---|---|---|---|---|---|
| [336] | {1630,3881,4752,5220} | => | {1631} | 1.96E-06 | 0.28571 | 1338.55 | 12 |
| [337] | {1304,3881,5220,6672} | => | {1631} | 1.31E-06 | 0.28571 | 1338.55 | 8 |
| [338] | {1630,3881,4037,5220} | => | {1631} | 1.31E-06 | 0.28571 | 1338.55 | 8 |
| [339] | {2388,3890,3895,8210} | => | {3892} | 1.31E-06 | 0.42105 | 1337.97 | 8 |
| [340] | {3177,3890,3895,4374} | => | {3892} | 1.31E-06 | 0.42105 | 1337.97 | 8 |
| [341] | {4383,7136} | => | {2079} | 1.47E-06 | 0.47368 | 1335.19 | 9 |
| [342] | {3890,3895,7797,8210} | => | {3892} | 1.64E-06 | 0.41667 | 1324.03 | 10 |
| [343] | {3165,4033,5230} | => | {4406} | 1.31E-06 | 0.80000 | 1321.91 | 8 |
| [344] | {4778,5224} | => | {5225} | 1.47E-06 | 0.28125 | 1320.67 | 9 |
| [345] | {1645,3881,4406} | => | {5230} | 1.80E-06 | 0.20000 | 1319.06 | 11 |
| [346] | {3163,3165,4406,7131} | => | {5230} | 1.96E-06 | 0.20000 | 1319.06 | 12 |
| [347] | {6682,7136} | => | {2079} | 1.14E-06 | 0.46667 | 1315.41 | 7 |
| [348] | {7122,7136,7794} | => | {2079} | 1.14E-06 | 0.46667 | 1315.41 | 7 |
| [349] | {1622,1631,5223} | => | {5225} | 1.14E-06 | 0.28000 | 1314.80 | 7 |
| [350] | {3881,4755,5225} | => | {1631} | 1.14E-06 | 0.28000 | 1311.78 | 7 |
| [351] | {1651,5220,6356} | => | {1631} | 1.14E-06 | 0.28000 | 1311.78 | 7 |
| [352] | {3881,5223,5225,7794} | => | {1631} | 1.14E-06 | 0.28000 | 1311.78 | 7 |
| [353] | {1622,2402,3536,4029} | => | {7481} | 1.64E-06 | 0.71429 | 1310.24 | 10 |
| [354] | {1622,2402,4035,7794} | => | {7481} | 1.64E-06 | 0.71429 | 1310.24 | 10 |
| [355] | {2716,3890,3895,7797} | => | {3892} | 1.14E-06 | 0.41176 | 1308.45 | 7 |
| [356] | {3890,3895,4756,5874} | => | {3892} | 1.14E-06 | 0.41176 | 1308.45 | 7 |
| [357] | {1651,2393,2716,8212} | => | {2711} | 1.31E-06 | 0.26667 | 1303.24 | 8 |
| [358] | {1630,3881,5220,5232} | => | {1631} | 2.45E-06 | 0.27778 | 1301.37 | 15 |
| [359] | {1304,3881,5220,5223} | => | {1631} | 2.45E-06 | 0.27778 | 1301.37 | 15 |
| [360] | {2089,3890,3895,7151} | => | {3892} | 1.47E-06 | 0.40909 | 1299.96 | 9 |
| [361] | {3521,3883,4031,4035} | => | {7481} | 1.96E-06 | 0.70588 | 1294.83 | 12 |
| [362] | {2402,3883,4035,7151} | => | {7481} | 1.96E-06 | 0.70588 | 1294.83 | 12 |
| [363] | {3903,5220,5223} | => | {1631} | 1.31E-06 | 0.27586 | 1292.40 | 8 |
| [364] | {1306,1651,5220} | => | {1631} | 1.80E-06 | 0.27500 | 1288.36 | 11 |
| [365] | {1304,4752,5220} | => | {1631} | 2.29E-06 | 0.27451 | 1286.06 | 14 |
| [366] | {3163,4374,4415,7131} | => | {4406} | 1.14E-06 | 0.77778 | 1285.19 | 7 |
| [367] | {1622,2402,3521} | => | {7481} | 1.14E-06 | 0.70000 | 1284.03 | 7 |
| [368] | {3883,4374,4397,7794} | => | {7481} | 1.14E-06 | 0.70000 | 1284.03 | 7 |
| [369] | {1308,3883,4374,7794} | => | {7481} | 1.14E-06 | 0.70000 | 1284.03 | 7 |
| [370] | {2402,3883,4374,4733} | => | {7481} | 1.14E-06 | 0.70000 | 1284.03 | 7 |
| [371] | {2402,3883,4029,6672} | => | {7481} | 1.14E-06 | 0.70000 | 1284.03 | 7 |
| [372] | {1631,5223,6678} | => | {5225} | 1.47E-06 | 0.27273 | 1280.65 | 9 |
| [373] | {4752,5225} | => | {1631} | 2.45E-06 | 0.27273 | 1277.71 | 15 |
| [374] | {5223,5225,6678} | => | {1631} | 1.47E-06 | 0.27273 | 1277.71 | 9 |
| [375] | {1651,3881,4769,5220} | => | {1631} | 1.47E-06 | 0.27273 | 1277.71 | 9 |
| [376] | {4755,5223} | => | {5225} | 2.62E-06 | 0.27119 | 1273.42 | 16 |
| [377] | {3887,5230} | => | {4758} | 1.31E-06 | 0.25000 | 1269.49 | 8 |
| [378] | {4752,4753,4776,6672} | => | {4771} | 1.64E-06 | 0.83333 | 1268.33 | 10 |

| [379] | {4738,5225} | => | {1631} | 1.64E-06 | 0.27027 | 1266.20 | 10 |
|---|---|---|---|---|---|---|---|
| [380] | {1651,3881,5220,5232} | => | {1631} | 1.64E-06 | 0.27027 | 1266.20 | 10 |
| [381] | {3881,5220,5223,6672} | => | {1631} | 1.64E-06 | 0.27027 | 1266.20 | 10 |
| [382] | {3881,5218,5223,6678} | => | {5225} | 1.14E-06 | 0.26923 | 1264.23 | 7 |
| [383] | {3881,5223,6678,8210} | => | {5225} | 1.14E-06 | 0.26923 | 1264.23 | 7 |
| [384] | {5223,5225,7794} | => | {1631} | 1.80E-06 | 0.26829 | 1256.93 | 11 |
| [385] | {1630,1631,3881,4415} | => | {5220} | 1.14E-06 | 1.00000 | 1253.09 | 7 |
| [386] | {1630,3881,7136} | => | {2079} | 1.31E-06 | 0.44444 | 1252.77 | 8 |
| [387] | {2089,3890,3895,3903} | => | {3892} | 2.13E-06 | 0.39394 | 1251.81 | 13 |
| [388] | {1630,1647,5220,5232} | => | {1631} | 1.31E-06 | 0.26667 | 1249.32 | 8 |
| [389] | {1651,4755,8210} | => | {6345} | 1.14E-06 | 0.53846 | 1244.64 | 7 |
| [390] | {3881,3903,5225} | => | {1631} | 1.47E-06 | 0.26471 | 1240.13 | 9 |
| [391] | {3865,3881,5223,5225} | => | {1631} | 1.47E-06 | 0.26471 | 1240.13 | 9 |
| [392] | {1651,3881,3903,5220} | => | {1631} | 1.47E-06 | 0.26471 | 1240.13 | 9 |
| [393] | {1630,3163,5230} | => | {4406} | 1.47E-06 | 0.75000 | 1239.29 | 9 |
| [394] | {2089,3895,6689,8210} | => | {3892} | 1.14E-06 | 0.38889 | 1235.76 | 7 |
| [395] | {1651,3890,3895,5223} | => | {3892} | 1.14E-06 | 0.38889 | 1235.76 | 7 |
| [396] | {1645,3890,3895,4374} | => | {3892} | 1.14E-06 | 0.38889 | 1235.76 | 7 |
| [397] | {3881,4755,5223} | => | {5225} | 1.64E-06 | 0.26316 | 1235.72 | 10 |
| [398] | {1631,5223,5874} | => | {5225} | 1.64E-06 | 0.26316 | 1235.72 | 10 |
| [399] | {1304,2391,3148} | => | {7111} | 1.47E-06 | 1.00000 | 1235.62 | 9 |
| [400] | {2391,3148,7122} | => | {7111} | 1.31E-06 | 1.00000 | 1235.62 | 8 |
| [401] | {2388,3148,5554} | => | {7111} | 1.31E-06 | 1.00000 | 1235.62 | 8 |
| [402] | {1630,3148,4393} | => | {7111} | 1.14E-06 | 1.00000 | 1235.62 | 7 |
| [403] | {1304,2391,3148,7122} | => | {7111} | 1.31E-06 | 1.00000 | 1235.62 | 8 |
| [404] | {2388,3148,5554,7122} | => | {7111} | 1.14E-06 | 1.00000 | 1235.62 | 7 |
| [405] | {1630,3148,3881,4393} | => | {7111} | 1.14E-06 | 1.00000 | 1235.62 | 7 |
| [406] | {1630,3887,3895,6670} | => | {7111} | 1.14E-06 | 1.00000 | 1235.62 | 7 |
| [407] | {4733,6670,8210,8699} | => | {7111} | 1.14E-06 | 1.00000 | 1235.62 | 7 |
| [408] | {3890,6672,7119,8210} | => | {7111} | 1.47E-06 | 1.00000 | 1235.62 | 9 |
| [409] | {1645,4752,5220} | => | {1631} | 1.64E-06 | 0.26316 | 1232.88 | 10 |
| [410] | {1647,4740,4755} | => | {7139} | 1.31E-06 | 0.53333 | 1230.92 | 8 |
| [411] | {3881,5223,5225} | => | {1631} | 5.56E-06 | 0.26154 | 1225.29 | 34 |
| [412] | {1622,2402,4035} | => | {7481} | 2.29E-06 | 0.66667 | 1222.89 | 14 |
| [413] | {1622,3521,4029,4031} | => | {7481} | 1.31E-06 | 0.66667 | 1222.89 | 8 |
| [414] | {1630,1647,5220,5223} | => | {1631} | 1.96E-06 | 0.26087 | 1222.16 | 12 |
| [415] | {2714,2715,4099} | => | {2711} | 1.14E-06 | 0.25000 | 1221.79 | 7 |
| [416] | {5220,5223,6672} | => | {1631} | 2.29E-06 | 0.25926 | 1214.61 | 14 |
| [417] | {1630,1651,3903,5220} | => | {1631} | 1.14E-06 | 0.25926 | 1214.61 | 7 |
| [418] | {1630,3874,3881,5220} | => | {1631} | 1.14E-06 | 0.25926 | 1214.61 | 7 |
| [419] | {4374,4397,4763,5874} | => | {3875} | 1.14E-06 | 0.33333 | 1211.62 | 7 |
| [420] | {1630,5220,5232} | => | {1631} | 3.76E-06 | 0.25843 | 1210.71 | 23 |
| [421] | {3890,3895,5874,7797} | => | {3892} | 1.31E-06 | 0.38095 | 1210.54 | 8 |

| [422] | {5225,5232} | => | {1631} | 1.31E-06 | 0.25806 | 1209.02 | 8 |
|---|---|---|---|---|---|---|---|
| [423] | {4037,5225} | => | {1631} | 1.31E-06 | 0.25806 | 1209.02 | 8 |
| [424] | {1647,5220,5882} | => | {1631} | 1.31E-06 | 0.25806 | 1209.02 | 8 |
| [425] | {3881,5220,5223,5552} | => | {1631} | 1.31E-06 | 0.25806 | 1209.02 | 8 |
| [426] | {1651,5223,5225} | => | {1631} | 2.78E-06 | 0.25758 | 1206.73 | 17 |
| [427] | {4752,5220,6672} | => | {1631} | 1.47E-06 | 0.25714 | 1204.70 | 9 |
| [428] | {3160,5220,5223} | => | {1631} | 1.47E-06 | 0.25714 | 1204.70 | 9 |
| [429] | {4740,4755,7794} | => | {7139} | 1.96E-06 | 0.52174 | 1204.16 | 12 |
| [430] | {3163,3881,4374,5230} | => | {4406} | 1.31E-06 | 0.72727 | 1201.74 | 8 |
| [431] | {1630,3163,3881,5230} | => | {4406} | 1.31E-06 | 0.72727 | 1201.74 | 8 |
| [432] | {2391,3163,3165,7131} | => | {4406} | 1.31E-06 | 0.72727 | 1201.74 | 8 |
| [433] | {1304,1645,5220} | => | {1631} | 1.64E-06 | 0.25641 | 1201.27 | 10 |
| [434] | {3881,4415,5220} | => | {1631} | 1.80E-06 | 0.25581 | 1198.47 | 11 |
| [435] | {1646,7139} | => | {4755} | 1.14E-06 | 0.21875 | 1198.39 | 7 |
| [436] | {3881,4022,7138} | => | {4043} | 1.14E-06 | 1.00000 | 1196.68 | 7 |
| [437] | {3165,7136} | => | {2079} | 1.80E-06 | 0.42308 | 1192.54 | 11 |
| [438] | {3890,3895,4393,8210} | => | {3892} | 1.47E-06 | 0.37500 | 1191.63 | 9 |
| [439] | {2089,3890,3895,8210} | => | {3892} | 1.47E-06 | 0.37500 | 1191.63 | 9 |
| [440] | {2716,3890,3895,5874} | => | {3892} | 1.47E-06 | 0.37500 | 1191.63 | 9 |
| [441] | {2716,3895,6689,7122} | => | {3892} | 1.47E-06 | 0.37500 | 1191.63 | 9 |
| [442] | {1631,1651,5223} | => | {5225} | 2.78E-06 | 0.25373 | 1191.45 | 17 |
| [443] | {1651,3152,3153} | => | {3154} | 1.31E-06 | 0.44444 | 1191.26 | 8 |
| [444] | {3903,5220} | => | {1631} | 5.23E-06 | 0.25397 | 1189.82 | 32 |
| [445] | {2391,2393,2715,2716} | => | {2711} | 1.47E-06 | 0.24324 | 1188.77 | 9 |
| [446] | {3521,3883,4029,4035} | => | {7481} | 1.80E-06 | 0.64706 | 1186.92 | 11 |
| [447] | {3881,5880,7139} | => | {4755} | 1.31E-06 | 0.21622 | 1184.51 | 8 |
| [448] | {2393,2714,2715} | => | {2711} | 1.14E-06 | 0.24138 | 1179.66 | 7 |
| [449] | {2716,3890,3895,6672} | => | {3892} | 2.78E-06 | 0.36957 | 1174.36 | 17 |
| [450] | {1631,3881,4755} | => | {5225} | 1.14E-06 | 0.25000 | 1173.93 | 7 |
| [451] | {1631,3881,5552} | => | {5225} | 1.47E-06 | 0.25000 | 1173.93 | 9 |
| [452] | {1631,5223,7794} | => | {5225} | 1.80E-06 | 0.25000 | 1173.93 | 11 |
| [453] | {1622,1631,1651} | => | {5225} | 1.14E-06 | 0.25000 | 1173.93 | 7 |
| [454] | {6345,8210} | => | {4755} | 1.96E-06 | 0.21429 | 1173.93 | 12 |
| [455] | {2076,5220} | => | {1631} | 1.64E-06 | 0.25000 | 1171.23 | 10 |
| [456] | {4754,5220} | => | {1631} | 1.80E-06 | 0.25000 | 1171.23 | 11 |
| [457] | {1651,3517,5225} | => | {1631} | 1.14E-06 | 0.25000 | 1171.23 | 7 |
| [458] | {3881,4401,5220} | => | {1631} | 1.14E-06 | 0.25000 | 1171.23 | 7 |
| [459] | {1651,4752,5220,5223} | => | {1631} | 1.14E-06 | 0.25000 | 1171.23 | 7 |
| [460] | {3890,3895,4393,7145} | => | {3892} | 1.14E-06 | 0.36842 | 1170.72 | 7 |
| [461] | {2089,3895,3903,6690} | => | {3892} | 1.14E-06 | 0.36842 | 1170.72 | 7 |
| [462] | {2716,3865,3895,4756} | => | {3892} | 1.14E-06 | 0.36842 | 1170.72 | 7 |
| [463] | {1636,1647,3881,8699} | => | {1635} | 1.14E-06 | 0.35000 | 1168.04 | 7 |
| [464] | {3866,3883,4029,4388} | => | {7481} | 1.14E-06 | 0.63636 | 1167.30 | 7 |

| [465] | {1631,1653} | => | {4755} | 1.64E-06 | 0.21277 | 1165.61 | 10 |
| [466] | {1651,3890,3895,7145} | => | {3892} | 1.80E-06 | 0.36667 | 1165.15 | 11 |
| [467] | {7136} | => | {2079} | 1.31E-05 | 0.41237 | 1162.37 | 80 |
| [468] | {5223,5225} | => | {1631} | 8.18E-06 | 0.24752 | 1159.64 | 50 |
| [469] | {3177,3881,6345} | => | {4755} | 1.80E-06 | 0.21154 | 1158.88 | 11 |
| [470] | {2406,3163,5230,7131} | => | {4406} | 1.14E-06 | 0.70000 | 1156.67 | 7 |
| [471] | {1645,3163,3881,5230} | => | {4406} | 1.14E-06 | 0.70000 | 1156.67 | 7 |
| [472] | {3881,4755,6346} | => | {6345} | 1.47E-06 | 0.50000 | 1155.74 | 9 |
| [473] | {1651,2068,6346} | => | {6345} | 1.14E-06 | 0.50000 | 1155.74 | 7 |
| [474] | {3154,7138} | => | {7139} | 1.80E-06 | 0.50000 | 1153.99 | 11 |
| [475] | {3881,5220,5882} | => | {1631} | 2.29E-06 | 0.24561 | 1150.69 | 14 |
| [476] | {1653,5224} | => | {5225} | 1.80E-06 | 0.24444 | 1147.85 | 11 |
| [477] | {7136,7199} | => | {2079} | 2.13E-06 | 0.40625 | 1145.11 | 13 |
| [478] | {3890,3895,5552,6672} | => | {3892} | 1.47E-06 | 0.36000 | 1143.96 | 9 |
| [479] | {2716,3184,3890,3895} | => | {3892} | 1.47E-06 | 0.36000 | 1143.96 | 9 |
| [480] | {2089,2716,3895,7122} | => | {3892} | 1.47E-06 | 0.36000 | 1143.96 | 9 |
| [481] | {3865,5223,5225} | => | {1631} | 1.64E-06 | 0.24390 | 1142.67 | 10 |
| [482] | {1631,1651,6678} | => | {5225} | 1.47E-06 | 0.24324 | 1142.20 | 9 |
| [483] | {5220,5223,6678} | => | {1631} | 3.11E-06 | 0.24359 | 1141.20 | 19 |
| [484] | {2089,2716,3890,3895} | => | {3892} | 2.29E-06 | 0.35897 | 1140.70 | 14 |
| [485] | {1630,4752,5220} | => | {1631} | 2.78E-06 | 0.24286 | 1137.77 | 17 |
| [486] | {1631,1651,3517} | => | {5225} | 1.14E-06 | 0.24138 | 1133.45 | 7 |
| [487] | {3881,4410,5220} | => | {1631} | 1.14E-06 | 0.24138 | 1130.85 | 7 |
| [488] | {2388,3881,5220,6672} | => | {1631} | 1.14E-06 | 0.24138 | 1130.85 | 7 |
| [489] | {1308,3883,4029,4733} | => | {7481} | 1.31E-06 | 0.61538 | 1128.82 | 8 |
| [490] | {2402,3167,3883,4388} | => | {7481} | 1.31E-06 | 0.61538 | 1128.82 | 8 |
| [491] | {2402,3883,4047,4374} | => | {7481} | 1.31E-06 | 0.61538 | 1128.82 | 8 |
| [492] | {5552,6345} | => | {4755} | 1.14E-06 | 0.20588 | 1127.90 | 7 |
| [493] | {4410,7139} | => | {4755} | 1.14E-06 | 0.20588 | 1127.90 | 7 |
| [494] | {1651,2068,6345} | => | {4755} | 1.14E-06 | 0.20588 | 1127.90 | 7 |
| [495] | {1304,1630,1651,5220} | => | {1631} | 2.13E-06 | 0.24074 | 1127.85 | 13 |
| [496] | {1631,1647,5223} | => | {5225} | 1.96E-06 | 0.24000 | 1126.98 | 12 |
| [497] | {1631,3881,5223} | => | {5225} | 5.56E-06 | 0.23944 | 1124.33 | 34 |
| [498] | {1631,3881,4752} | => | {5225} | 1.80E-06 | 0.23913 | 1122.89 | 11 |
| [499] | {2402,4035,4733,7151} | => | {7481} | 1.80E-06 | 0.61111 | 1120.98 | 11 |
| [500] | {5220,5223,5552} | => | {1631} | 1.80E-06 | 0.23913 | 1120.31 | 11 |
| [501] | {3881,4383,7139} | => | {4755} | 1.64E-06 | 0.20408 | 1118.03 | 10 |
| [502] | {3903,5220,7122} | => | {1631} | 1.64E-06 | 0.23810 | 1115.46 | 10 |
| [503] | {1630,1631,4415} | => | {5220} | 1.31E-06 | 0.88889 | 1113.86 | 8 |
| [504] | {1304,1631,4752,5223} | => | {5220} | 1.31E-06 | 0.88889 | 1113.86 | 8 |
| [505] | {3890,3895,4374,7199} | => | {3892} | 1.14E-06 | 0.35000 | 1112.19 | 7 |
| [506] | {2716,3895,6672,7794} | => | {3892} | 1.14E-06 | 0.35000 | 1112.19 | 7 |
| [507] | {2391,3148} | => | {7111} | 1.47E-06 | 0.90000 | 1112.06 | 9 |

| [508] | {1304,1306,1651,3148} | => | {7111} | 1.47E-06 | 0.90000 | 1112.06 | 9 |
|---|---|---|---|---|---|---|---|
| [509] | {3177,3895,6672,8210} | => | {7111} | 1.47E-06 | 0.90000 | 1112.06 | 9 |
| [510] | {1304,5220,5552} | => | {1631} | 1.47E-06 | 0.23684 | 1109.59 | 9 |
| [511] | {1647,4752,5220} | => | {1631} | 1.47E-06 | 0.23684 | 1109.59 | 9 |
| [512] | {3177,3890,3895,8210} | => | {3892} | 1.31E-06 | 0.34783 | 1105.28 | 8 |
| [513] | {1651,3153,5874,6356} | => | {3154} | 1.14E-06 | 0.41176 | 1103.67 | 7 |
| [514] | {1630,1651,3153,3881} | => | {3154} | 1.14E-06 | 0.41176 | 1103.67 | 7 |
| [515] | {2393,2715,2716,8212} | => | {2711} | 1.14E-06 | 0.22581 | 1103.55 | 7 |
| [516] | {5225,5878} | => | {1631} | 1.31E-06 | 0.23529 | 1102.34 | 8 |
| [517] | {5220,6356,7122} | => | {1631} | 1.31E-06 | 0.23529 | 1102.34 | 8 |
| [518] | {1651,3881,4752,5220} | => | {1631} | 1.96E-06 | 0.23529 | 1102.34 | 12 |
| [519] | {3881,4752,5220,7794} | => | {1631} | 1.31E-06 | 0.23529 | 1102.34 | 8 |
| [520] | {2402,3883,4374,4388} | => | {7481} | 1.47E-06 | 0.60000 | 1100.60 | 9 |
| [521] | {3883,4029,4374,4733} | => | {7481} | 1.96E-06 | 0.60000 | 1100.60 | 12 |
| [522] | {2406,3890,3895,6672} | => | {3892} | 1.47E-06 | 0.34615 | 1099.96 | 9 |
| [523] | {3148,3868,5554} | => | {7111} | 1.31E-06 | 0.88889 | 1098.33 | 8 |
| [524] | {3148,3865,5554,7122} | => | {7111} | 1.31E-06 | 0.88889 | 1098.33 | 8 |
| [525] | {3895,6672,7119,8210} | => | {7111} | 1.31E-06 | 0.88889 | 1098.33 | 8 |
| [526] | {3147,3152} | => | {3154} | 1.47E-06 | 0.40909 | 1096.50 | 9 |
| [527] | {4410,5220} | => | {1631} | 1.80E-06 | 0.23404 | 1096.47 | 11 |
| [528] | {1645,5220,5223} | => | {1631} | 1.80E-06 | 0.23404 | 1096.47 | 11 |
| [529] | {5220,5223,8699} | => | {1631} | 1.80E-06 | 0.23404 | 1096.47 | 11 |
| [530] | {1631,4415,5223} | => | {5220} | 1.14E-06 | 0.87500 | 1096.46 | 7 |
| [531] | {1304,1631,1645,4752} | => | {5220} | 1.14E-06 | 0.87500 | 1096.46 | 7 |
| [532] | {1631,3881,4415,5223} | => | {5220} | 1.14E-06 | 0.87500 | 1096.46 | 7 |
| [533] | {1631,3881,4735,5223} | => | {5220} | 1.14E-06 | 0.87500 | 1096.46 | 7 |
| [534] | {4733,7136} | => | {2079} | 1.14E-06 | 0.38889 | 1096.18 | 7 |
| [535] | {3881,3895,3903,8210} | => | {3892} | 1.64E-06 | 0.34483 | 1095.75 | 10 |
| [536] | {2082,7139} | => | {4755} | 1.47E-06 | 0.20000 | 1095.67 | 9 |
| [537] | {1631,4752,5223} | => | {5225} | 1.14E-06 | 0.23333 | 1095.67 | 7 |
| [538] | {3152,3171,3186,4374} | => | {4397} | 1.31E-06 | 0.80000 | 1095.18 | 8 |
| [539] | {3881,3903,5220} | => | {1631} | 2.94E-06 | 0.23377 | 1095.18 | 18 |
| [540] | {1630,1651,4752,5220} | => | {1631} | 1.14E-06 | 0.23333 | 1093.15 | 7 |
| [541] | {1631,5223,7122} | => | {5225} | 1.64E-06 | 0.23256 | 1092.03 | 10 |
| [542] | {1304,5218,6678} | => | {5225} | 1.64E-06 | 0.23256 | 1092.03 | 10 |
| [543] | {4755,6346} | => | {6345} | 2.62E-06 | 0.47059 | 1087.75 | 16 |
| [544] | {3148,4733,6672} | => | {7111} | 1.14E-06 | 0.87500 | 1081.17 | 7 |
| [545] | {1304,1630,3148,3868} | => | {7111} | 1.14E-06 | 0.87500 | 1081.17 | 7 |
| [546] | {1304,1651,3148,5874} | => | {7111} | 1.14E-06 | 0.87500 | 1081.17 | 7 |
| [547] | {1630,3148,3868,5554} | => | {7111} | 1.14E-06 | 0.87500 | 1081.17 | 7 |
| [548] | {3148,3868,5554,7122} | => | {7111} | 1.14E-06 | 0.87500 | 1081.17 | 7 |
| [549] | {3148,3868,3881,5554} | => | {7111} | 1.14E-06 | 0.87500 | 1081.17 | 7 |
| [550] | {1304,3887,3890,6670} | => | {7111} | 1.14E-06 | 0.87500 | 1081.17 | 7 |

| [551] | {3890,4750,6670,8210} | => | {7111} | 1.14E-06 | 0.87500 | 1081.17 | 7 |
|---|---|---|---|---|---|---|---|
| [552] | {3890,4733,6670,8210} | => | {7111} | 1.14E-06 | 0.87500 | 1081.17 | 7 |
| [553] | {1304,1630,7119,8699} | => | {7111} | 1.14E-06 | 0.87500 | 1081.17 | 7 |
| [554] | {1651,3877,5220} | => | {1631} | 1.47E-06 | 0.23077 | 1081.14 | 9 |
| [555] | {1647,1651,5220,5223} | => | {1631} | 1.47E-06 | 0.23077 | 1081.14 | 9 |
| [556] | {1630,3881,5220,5223} | => | {1631} | 4.91E-06 | 0.23077 | 1081.14 | 30 |
| [557] | {3521,3883,4035,7794} | => | {7481} | 1.64E-06 | 0.58824 | 1079.02 | 10 |
| [558] | {3154,3165,5874} | => | {7139} | 1.14E-06 | 0.46667 | 1077.06 | 7 |
| [559] | {3881,5220,5223,5874} | => | {1631} | 2.29E-06 | 0.22951 | 1075.23 | 14 |
| [560] | {3866,3883,4029,4733} | => | {7481} | 1.14E-06 | 0.58333 | 1070.03 | 7 |
| [561] | {2402,3883,4035,4374} | => | {7481} | 1.14E-06 | 0.58333 | 1070.03 | 7 |
| [562] | {3536,4029,4047,5895} | => | {7481} | 1.14E-06 | 0.58333 | 1070.03 | 7 |
| [563] | {3883,4029,4049,4733} | => | {7481} | 1.14E-06 | 0.58333 | 1070.03 | 7 |
| [564] | {1645,3160,4374,4738} | => | {4397} | 1.14E-06 | 0.77778 | 1064.76 | 7 |
| [565] | {3152,3167,3186,4374} | => | {4397} | 1.14E-06 | 0.77778 | 1064.76 | 7 |
| [566] | {4037,6680,7138} | => | {4043} | 1.31E-06 | 0.88889 | 1063.72 | 8 |
| [567] | {1631,5223} | => | {5225} | 8.18E-06 | 0.22624 | 1062.38 | 50 |
| [568] | {4755,5220} | => | {5225} | 1.14E-06 | 0.22581 | 1060.33 | 7 |
| [569] | {1631,3881,5223,7122} | => | {5225} | 1.14E-06 | 0.22581 | 1060.33 | 7 |
| [570] | {1631,3881,5223,7794} | => | {5225} | 1.14E-06 | 0.22581 | 1060.33 | 7 |
| [571] | {3895,3903,8210} | => | {3892} | 2.13E-06 | 0.33333 | 1059.22 | 13 |
| [572] | {3890,7797,8210} | => | {3892} | 2.13E-06 | 0.33333 | 1059.22 | 13 |
| [573] | {3890,3895,6689,7797} | => | {3892} | 1.47E-06 | 0.33333 | 1059.22 | 9 |
| [574] | {2716,3890,3895,6691} | => | {3892} | 1.14E-06 | 0.33333 | 1059.22 | 7 |
| [575] | {2716,3890,3895,4756} | => | {3892} | 1.31E-06 | 0.33333 | 1059.22 | 8 |
| [576] | {2716,3865,3890,6689} | => | {3892} | 1.14E-06 | 0.33333 | 1059.22 | 7 |
| [577] | {3521,3883,4035} | => | {7481} | 2.45E-06 | 0.57692 | 1058.27 | 15 |
| [578] | {1304,1651,4752,5220} | => | {1631} | 1.14E-06 | 0.22581 | 1057.89 | 7 |
| [579] | {1304,1645,1651,5220} | => | {1631} | 1.14E-06 | 0.22581 | 1057.89 | 7 |
| [580] | {1630,1651,5232,5552} | => | {1631} | 1.14E-06 | 0.22581 | 1057.89 | 7 |
| [581] | {1304,5220,6672} | => | {1631} | 1.47E-06 | 0.22500 | 1054.11 | 9 |
| [582] | {1630,3881,5220,6680} | => | {1631} | 1.47E-06 | 0.22500 | 1054.11 | 9 |
| [583] | {3163,3165,3881,5230} | => | {4406} | 1.14E-06 | 0.63636 | 1051.52 | 7 |
| [584] | {1631,3881,6678} | => | {5225} | 2.78E-06 | 0.22368 | 1050.36 | 17 |
| [585] | {3903,5225} | => | {1631} | 2.13E-06 | 0.22414 | 1050.07 | 13 |
| [586] | {2404,2406,4029} | => | {7481} | 1.31E-06 | 0.57143 | 1048.19 | 8 |
| [587] | {1622,2402,3504} | => | {7481} | 1.31E-06 | 0.57143 | 1048.19 | 8 |
| [588] | {2402,3883,4035,4388} | => | {7481} | 1.31E-06 | 0.57143 | 1048.19 | 8 |
| [589] | {3536,3883,4029,4037} | => | {7481} | 1.31E-06 | 0.57143 | 1048.19 | 8 |
| [590] | {4412,7138} | => | {4043} | 1.14E-06 | 0.87500 | 1047.10 | 7 |
| [591] | {1631,4752,4769} | => | {5220} | 1.64E-06 | 0.83333 | 1044.24 | 10 |
| [592] | {1631,1651,4733} | => | {5225} | 1.31E-06 | 0.22222 | 1043.50 | 8 |
| [593] | {1631,1647,3881,5223} | => | {5225} | 1.31E-06 | 0.22222 | 1043.50 | 8 |

| [594] | {1630,1651,3153,6356} | => | {3154} | 1.14E-06 | 0.38889 | 1042.35 | 7 |
|---|---|---|---|---|---|---|---|
| [595] | {1651,4752,5220} | => | {1631} | 2.94E-06 | 0.22222 | 1041.10 | 18 |
| [596] | {1630,4766,5220} | => | {1631} | 1.64E-06 | 0.22222 | 1041.10 | 10 |
| [597] | {2089,5220,5874} | => | {1631} | 1.31E-06 | 0.22222 | 1041.10 | 8 |
| [598] | {3881,4735,5220,7794} | => | {1631} | 1.31E-06 | 0.22222 | 1041.10 | 8 |
| [599] | {1651,4769,5220} | => | {1631} | 2.13E-06 | 0.22034 | 1032.27 | 13 |
| [600] | {3883,4047,4374,4733} | => | {7481} | 1.47E-06 | 0.56250 | 1031.81 | 9 |
| [601] | {3883,4047,4374,4388} | => | {7481} | 1.47E-06 | 0.56250 | 1031.81 | 9 |
| [602] | {1651,5225,6678} | => | {1631} | 1.47E-06 | 0.21951 | 1028.40 | 9 |
| [603] | {1651,4733,4755} | => | {6345} | 1.31E-06 | 0.44444 | 1027.32 | 8 |
| [604] | {1306,1631,7794} | => | {5220} | 1.47E-06 | 0.81818 | 1025.26 | 9 |
| [605] | {2716,3895,7797} | => | {3892} | 1.64E-06 | 0.32258 | 1025.06 | 10 |
| [606] | {1304,1630,5220,7122} | => | {1631} | 1.14E-06 | 0.21875 | 1024.83 | 7 |
| [607] | {2388,3881,5220,5223} | => | {1631} | 1.14E-06 | 0.21875 | 1024.83 | 7 |
| [608] | {1630,1651,5220,5223} | => | {1631} | 1.96E-06 | 0.21818 | 1022.17 | 12 |
| [609] | {3890,7199,8210} | => | {3892} | 1.47E-06 | 0.32143 | 1021.39 | 9 |
| [610] | {2402,3536,3883,4035} | => | {7481} | 1.64E-06 | 0.55556 | 1019.08 | 10 |
| [611] | {4401,5220} | => | {1631} | 1.64E-06 | 0.21739 | 1018.46 | 10 |
| [612] | {1304,3148,5554,7122} | => | {7111} | 2.29E-06 | 0.82353 | 1017.57 | 14 |
| [613] | {1645,3163,5230} | => | {4406} | 1.31E-06 | 0.61538 | 1016.86 | 8 |
| [614] | {3890,3895,4374,8210} | => | {3892} | 1.31E-06 | 0.32000 | 1016.86 | 8 |
| [615] | {1630,3877,3890,3895} | => | {3892} | 1.31E-06 | 0.32000 | 1016.86 | 8 |
| [616] | {1630,3881,3903,5220} | => | {1631} | 1.31E-06 | 0.21622 | 1012.96 | 8 |
| [617] | {2402,3883,4029,7151} | => | {7481} | 2.62E-06 | 0.55172 | 1012.05 | 16 |
| [618] | {1630,3895,3903,8210} | => | {3892} | 1.14E-06 | 0.31818 | 1011.08 | 7 |
| [619] | {1304,3177,3890,3895} | => | {3892} | 1.14E-06 | 0.31818 | 1011.08 | 7 |
| [620] | {2716,3890,4393,6689} | => | {3892} | 1.14E-06 | 0.31818 | 1011.08 | 7 |
| [621] | {3148,3865,5554} | => | {7111} | 1.47E-06 | 0.81818 | 1010.96 | 9 |
| [622] | {3148,3881,4393} | => | {7111} | 1.47E-06 | 0.81818 | 1010.96 | 9 |
| [623] | {1630,3148,6689} | => | {7111} | 1.47E-06 | 0.81818 | 1010.96 | 9 |
| [624] | {1304,1630,3148,5554} | => | {7111} | 1.47E-06 | 0.81818 | 1010.96 | 9 |
| [625] | {1304,4733,6670,8210} | => | {7111} | 1.47E-06 | 0.81818 | 1010.96 | 9 |
| [626] | {3881,4752,5220} | => | {1631} | 3.76E-06 | 0.21495 | 1007.04 | 23 |
| [627] | {3163,4374,5230} | => | {4406} | 2.29E-06 | 0.60870 | 1005.80 | 14 |
| [628] | {1304,3148,3881,5554} | => | {7111} | 2.13E-06 | 0.81250 | 1003.94 | 13 |
| [629] | {1630,3148,5554,7122} | => | {7111} | 2.13E-06 | 0.81250 | 1003.94 | 13 |
| [630] | {5554,6670,7119,8210} | => | {7111} | 2.13E-06 | 0.81250 | 1003.94 | 13 |
| [631] | {1630,1631,4745} | => | {5220} | 1.31E-06 | 0.80000 | 1002.47 | 8 |
| [632] | {1630,1631,3881,4745} | => | {5220} | 1.31E-06 | 0.80000 | 1002.47 | 8 |
| [633] | {1304,1630,1631,4752} | => | {5220} | 1.31E-06 | 0.80000 | 1002.47 | 8 |
| [634] | {1631,3881,4752,7794} | => | {5220} | 1.31E-06 | 0.80000 | 1002.47 | 8 |
| [635] | {3895,6672,6689,8210} | => | {7111} | 2.78E-06 | 0.80952 | 1000.26 | 17 |
| [636] | {2716,3881,3890,6689} | => | {3892} | 1.80E-06 | 0.31429 | 998.70 | 11 |

| [637] | {5223,5225,7122} | => | {1631} | 1.64E-06 | 0.21277 | 996.79 | 10 |
|---|---|---|---|---|---|---|---|
| [638] | {1631,1651,4752} | => | {5225} | 1.14E-06 | 0.21212 | 996.06 | 7 |
| [639] | {3875,4763,5874} | => | {4397} | 1.31E-06 | 0.72727 | 995.62 | 8 |
| [640] | {1630,1631,5223} | => | {5225} | 2.94E-06 | 0.21176 | 994.39 | 18 |
| [641] | {1630,4499,5220} | => | {1631} | 1.14E-06 | 0.21212 | 993.77 | 7 |
| [642] | {1630,3530,3881,5220} | => | {1631} | 1.14E-06 | 0.21212 | 993.77 | 7 |
| [643] | {1304,1651,5223,5232} | => | {1631} | 1.14E-06 | 0.21212 | 993.77 | 7 |
| [644] | {3868,3890,3895,5552} | => | {3892} | 1.64E-06 | 0.31250 | 993.02 | 10 |
| [645] | {3165,4415,5230} | => | {4406} | 1.47E-06 | 0.60000 | 991.43 | 9 |
| [646] | {2406,3163,5230} | => | {4406} | 1.47E-06 | 0.60000 | 991.43 | 9 |
| [647] | {3881,7122,7136} | => | {2079} | 2.13E-06 | 0.35135 | 990.37 | 13 |
| [648] | {1630,3148,3865,5554} | => | {7111} | 1.31E-06 | 0.80000 | 988.49 | 8 |
| [649] | {1630,3148,6689,7122} | => | {7111} | 1.31E-06 | 0.80000 | 988.49 | 8 |
| [650] | {1630,3148,3881,6689} | => | {7111} | 1.31E-06 | 0.80000 | 988.49 | 8 |
| [651] | {1304,6670,7119,8210} | => | {7111} | 1.31E-06 | 0.80000 | 988.49 | 8 |
| [652] | {3895,6670,7119,8210} | => | {7111} | 1.96E-06 | 0.80000 | 988.49 | 12 |
| [653] | {3890,6670,7119,8210} | => | {7111} | 1.31E-06 | 0.80000 | 988.49 | 8 |
| [654] | {3890,5554,7119,8210} | => | {7111} | 1.96E-06 | 0.80000 | 988.49 | 12 |
| [655] | {1308,2402,3883} | => | {7481} | 1.14E-06 | 0.53846 | 987.72 | 7 |
| [656] | {2402,3883,4047,5895} | => | {7481} | 1.14E-06 | 0.53846 | 987.72 | 7 |
| [657] | {2402,3171,3883,4031} | => | {7481} | 1.14E-06 | 0.53846 | 987.72 | 7 |
| [658] | {2402,3883,4037,7794} | => | {7481} | 1.14E-06 | 0.53846 | 987.72 | 7 |
| [659] | {3152,3171,3883,7151} | => | {7481} | 1.14E-06 | 0.53846 | 987.72 | 7 |
| [660] | {1622,3883,4029,7791} | => | {7481} | 1.14E-06 | 0.53846 | 987.72 | 7 |
| [661] | {3881,5225,6672} | => | {1631} | 1.31E-06 | 0.21053 | 986.30 | 8 |
| [662] | {4752,5220,7122} | => | {1631} | 1.96E-06 | 0.21053 | 986.30 | 12 |
| [663] | {1647,3881,5220,5232} | => | {1631} | 1.31E-06 | 0.21053 | 986.30 | 8 |
| [664] | {1622,3881,5220,5223} | => | {1631} | 1.31E-06 | 0.21053 | 986.30 | 8 |
| [665] | {3881,3890,7797,8210} | => | {3892} | 1.47E-06 | 0.31034 | 986.17 | 9 |
| [666] | {2716,3890,3895,4374} | => | {3892} | 1.47E-06 | 0.31034 | 986.17 | 9 |
| [667] | {1630,5220,5223} | => | {1631} | 6.22E-06 | 0.20994 | 983.58 | 38 |
| [668] | {1631,7131} | => | {5225} | 1.47E-06 | 0.20930 | 982.83 | 9 |
| [669] | {4752,5220} | => | {1631} | 7.03E-06 | 0.20976 | 982.69 | 43 |
| [670] | {2089,2716,3881,3895} | => | {3892} | 2.78E-06 | 0.30909 | 982.19 | 17 |
| [671] | {1630,1631,3881,5223} | => | {5225} | 2.29E-06 | 0.20896 | 981.20 | 14 |
| [672] | {3881,5225,5552} | => | {1631} | 1.47E-06 | 0.20930 | 980.57 | 9 |
| [673] | {2089,5220,7794} | => | {1631} | 1.47E-06 | 0.20930 | 980.57 | 9 |
| [674] | {3881,5220,7122,7149} | => | {1631} | 1.47E-06 | 0.20930 | 980.57 | 9 |
| [675] | {4037,7122,7138} | => | {4043} | 1.47E-06 | 0.81818 | 979.10 | 9 |
| [676] | {1308,3883,4374} | => | {7481} | 1.31E-06 | 0.53333 | 978.31 | 8 |
| [677] | {2402,3152,3883,4031} | => | {7481} | 1.31E-06 | 0.53333 | 978.31 | 8 |
| [678] | {3152,3883,4031,7151} | => | {7481} | 1.31E-06 | 0.53333 | 978.31 | 8 |
| [679] | {3171,4047,4374,7794} | => | {7481} | 1.31E-06 | 0.53333 | 978.31 | 8 |

| [680] | {1651,2388,3895,3903} | => | {3892} | 1.31E-06 | 0.30769 | 977.74 | 8 |
|---|---|---|---|---|---|---|---|
| [681] | {1306,1651,3890,6670} | => | {3892} | 1.31E-06 | 0.30769 | 977.74 | 8 |
| [682] | {2716,3890,3895,7199} | => | {3892} | 1.31E-06 | 0.30769 | 977.74 | 8 |
| [683] | {2716,3890,3895,4033} | => | {3892} | 1.31E-06 | 0.30769 | 977.74 | 8 |
| [684] | {1651,3890,3895,7199} | => | {3892} | 1.31E-06 | 0.30769 | 977.74 | 8 |
| [685] | {2406,2714,2715,2716} | => | {2711} | 1.47E-06 | 0.20000 | 977.43 | 9 |
| [686] | {5220,5554,7149} | => | {1631} | 1.64E-06 | 0.20833 | 976.03 | 10 |
| [687] | {1304,3148,5554} | => | {7111} | 2.45E-06 | 0.78947 | 975.49 | 15 |
| [688] | {1651,3153,5874} | => | {3154} | 1.31E-06 | 0.36364 | 974.67 | 8 |
| [689] | {1632,3881,6682} | => | {5220} | 1.14E-06 | 0.77778 | 974.63 | 7 |
| [690] | {1631,4752,8210} | => | {5220} | 1.14E-06 | 0.77778 | 974.63 | 7 |
| [691] | {1306,1631,4752} | => | {5220} | 1.14E-06 | 0.77778 | 974.63 | 7 |
| [692] | {1631,3881,4764} | => | {5220} | 1.14E-06 | 0.77778 | 974.63 | 7 |
| [693] | {1304,1631,5223,5232} | => | {5220} | 1.14E-06 | 0.77778 | 974.63 | 7 |
| [694] | {1304,1630,1631,1645} | => | {5220} | 1.14E-06 | 0.77778 | 974.63 | 7 |
| [695] | {1304,1630,1631,6672} | => | {5220} | 1.14E-06 | 0.77778 | 974.63 | 7 |
| [696] | {1631,2388,3881,6672} | => | {5220} | 1.14E-06 | 0.77778 | 974.63 | 7 |
| [697] | {4022,7138} | => | {4043} | 2.13E-06 | 0.81250 | 972.30 | 13 |
| [698] | {2402,3883,4037} | => | {7481} | 1.47E-06 | 0.52941 | 971.12 | 9 |
| [699] | {2716,3881,3895,6689} | => | {3892} | 1.80E-06 | 0.30556 | 970.95 | 11 |
| [700] | {1651,3881,5220,5223} | => | {1631} | 3.93E-06 | 0.20690 | 969.30 | 24 |
| [701] | {3881,5220,5223,7794} | => | {1631} | 2.94E-06 | 0.20690 | 969.30 | 18 |
| [702] | {3890,3895,3903,7149} | => | {3892} | 1.14E-06 | 0.30435 | 967.12 | 7 |
| [703] | {2089,3890,3903,6690} | => | {3892} | 1.14E-06 | 0.30435 | 967.12 | 7 |
| [704] | {2089,3890,3895,4393} | => | {3892} | 2.29E-06 | 0.30435 | 967.12 | 14 |
| [705] | {2398,3890,3895,6672} | => | {3892} | 1.14E-06 | 0.30435 | 967.12 | 7 |
| [706] | {2716,3881,3895,7797} | => | {3892} | 1.14E-06 | 0.30435 | 967.12 | 7 |
| [707] | {1630,3890,5874,7797} | => | {3892} | 1.14E-06 | 0.30435 | 967.12 | 7 |
| [708] | {1651,2406,3890,4393} | => | {3892} | 1.14E-06 | 0.30435 | 967.12 | 7 |
| [709] | {3865,5224} | => | {5225} | 1.14E-06 | 0.20588 | 966.77 | 7 |
| [710] | {1639,5220} | => | {1631} | 1.14E-06 | 0.20588 | 964.55 | 7 |
| [711] | {1622,1651,5225} | => | {1631} | 1.14E-06 | 0.20588 | 964.55 | 7 |
| [712] | {3163,3887,5230} | => | {4406} | 1.14E-06 | 0.58333 | 963.89 | 7 |
| [713] | {3171,3881,5230} | => | {4406} | 1.14E-06 | 0.58333 | 963.89 | 7 |
| [714] | {3163,7129,7143} | => | {4406} | 1.14E-06 | 0.58333 | 963.89 | 7 |
| [715] | {1304,1306,3881,5223} | => | {5225} | 1.31E-06 | 0.20513 | 963.23 | 8 |
| [716] | {2082,4761,5554} | => | {4760} | 1.14E-06 | 0.35000 | 962.16 | 7 |
| [717] | {1304,3148,3177} | => | {7111} | 1.14E-06 | 0.77778 | 961.04 | 7 |
| [718] | {3148,5554,6689} | => | {7111} | 1.14E-06 | 0.77778 | 961.04 | 7 |
| [719] | {1630,3148,5554} | => | {7111} | 2.29E-06 | 0.77778 | 961.04 | 14 |
| [720] | {1630,3148,7146} | => | {7111} | 1.14E-06 | 0.77778 | 961.04 | 7 |
| [721] | {1304,3148,3868,7122} | => | {7111} | 1.14E-06 | 0.77778 | 961.04 | 7 |
| [722] | {1304,3148,3177,7122} | => | {7111} | 1.14E-06 | 0.77778 | 961.04 | 7 |

| [723] | {3148,3881,4393,7122} | => | {7111} | 1.14E-06 | 0.77778 | 961.04 | 7 |
|---|---|---|---|---|---|---|---|
| [724] | {1304,6670,7148,8210} | => | {7111} | 1.14E-06 | 0.77778 | 961.04 | 7 |
| [725] | {2388,2406,6670,8210} | => | {7111} | 1.14E-06 | 0.77778 | 961.04 | 7 |
| [726] | {1630,3171,7119,8210} | => | {7111} | 1.14E-06 | 0.77778 | 961.04 | 7 |
| [727] | {2398,3890,6670,6672} | => | {7111} | 1.14E-06 | 0.77778 | 961.04 | 7 |
| [728] | {1304,3895,6689,7119} | => | {7111} | 1.14E-06 | 0.77778 | 961.04 | 7 |
| [729] | {1306,3177,3895,6672} | => | {7111} | 1.14E-06 | 0.77778 | 961.04 | 7 |
| [730] | {1630,3890,4750,8699} | => | {7111} | 1.14E-06 | 0.77778 | 961.04 | 7 |
| [731] | {3881,4799,5225} | => | {1631} | 1.31E-06 | 0.20513 | 961.01 | 8 |
| [732] | {1630,4037,5220} | => | {1631} | 1.31E-06 | 0.20513 | 961.01 | 8 |
| [733] | {5225,7131} | => | {1631} | 1.47E-06 | 0.20455 | 958.28 | 9 |
| [734] | {2404,4374,4733} | => | {4397} | 1.14E-06 | 0.70000 | 958.28 | 7 |
| [735] | {3875,4374,4763} | => | {4397} | 1.14E-06 | 0.70000 | 958.28 | 7 |
| [736] | {2404,3152,4374,4733} | => | {4397} | 1.14E-06 | 0.70000 | 958.28 | 7 |
| [737] | {1304,3152,4750,6670} | => | {4397} | 1.14E-06 | 0.70000 | 958.28 | 7 |
| [738] | {3152,4374,4750,6670} | => | {4397} | 1.14E-06 | 0.70000 | 958.28 | 7 |
| [739] | {3152,4750,5874,6670} | => | {4397} | 1.14E-06 | 0.70000 | 958.28 | 7 |
| [740] | {3171,3881,3906,7148} | => | {3904} | 1.14E-06 | 0.58333 | 958.20 | 7 |
| [741] | {4020,7138} | => | {4043} | 2.62E-06 | 0.80000 | 957.34 | 16 |
| [742] | {4035,6680,7138} | => | {4043} | 1.31E-06 | 0.80000 | 957.34 | 8 |
| [743] | {4037,7138,7794} | => | {4043} | 1.31E-06 | 0.80000 | 957.34 | 8 |
| [744] | {1651,3153,3881,6356} | => | {3154} | 1.64E-06 | 0.35714 | 957.26 | 10 |
| [745] | {3163,3881,5230,7131} | => | {4406} | 1.80E-06 | 0.57895 | 956.65 | 11 |
| [746] | {3890,3895,3903,6690} | => | {3892} | 1.47E-06 | 0.30000 | 953.30 | 9 |
| [747] | {1630,2089,3895,8210} | => | {3892} | 1.47E-06 | 0.30000 | 953.30 | 9 |
| [748] | {1647,2089,2716,3895} | => | {3892} | 1.47E-06 | 0.30000 | 953.30 | 9 |
| [749] | {2716,3890,6689,7122} | => | {3892} | 1.47E-06 | 0.30000 | 953.30 | 9 |
| [750] | {4755,5225} | => | {1631} | 1.96E-06 | 0.20339 | 952.87 | 12 |
| [751] | {1304,3148,7794} | => | {7111} | 1.64E-06 | 0.76923 | 950.48 | 10 |
| [752] | {3895,6689,7119,8210} | => | {7111} | 1.64E-06 | 0.76923 | 950.48 | 10 |
| [753] | {1647,3895,7119,8210} | => | {7111} | 1.64E-06 | 0.76923 | 950.48 | 10 |
| [754] | {3152,4374,4763,5874} | => | {4397} | 1.47E-06 | 0.69231 | 947.75 | 9 |
| [755] | {1304,1630,5220} | => | {1631} | 3.11E-06 | 0.20213 | 946.95 | 19 |
| [756] | {3895,5554,7119,8210} | => | {7111} | 2.13E-06 | 0.76471 | 944.88 | 13 |
| [757] | {3165,5230,7149} | => | {4406} | 1.31E-06 | 0.57143 | 944.22 | 8 |
| [758] | {3163,5230,7149} | => | {4406} | 1.31E-06 | 0.57143 | 944.22 | 8 |
| [759] | {3163,4799,6689,7129} | => | {4406} | 1.31E-06 | 0.57143 | 944.22 | 8 |
| [760] | {2089,3881,3890,8210} | => | {3892} | 1.31E-06 | 0.29630 | 941.53 | 8 |
| [761] | {3177,3890,3895,6690} | => | {3892} | 1.31E-06 | 0.29630 | 941.53 | 8 |
| [762] | {2089,3890,3895,4374} | => | {3892} | 1.31E-06 | 0.29630 | 941.53 | 8 |
| [763] | {1632,3865,3881} | => | {5220} | 1.47E-06 | 0.75000 | 939.82 | 9 |
| [764] | {1630,1631,1647,7149} | => | {5220} | 1.47E-06 | 0.75000 | 939.82 | 9 |
| [765] | {1631,4037} | => | {5225} | 1.31E-06 | 0.20000 | 939.15 | 8 |

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| [766] | {3148,5554,7122} | => | {7111} | 3.11E-06 | 0.76000 | 939.07 | 19 |
|---|---|---|---|---|---|---|---|
| [767] | {3895,6670,6672,8210} | => | {7111} | 3.11E-06 | 0.76000 | 939.07 | 19 |
| [768] | {3153,3881,3903} | => | {3154} | 1.14E-06 | 0.35000 | 938.12 | 7 |
| [769] | {4733,5223,5225} | => | {1631} | 1.14E-06 | 0.20000 | 936.99 | 7 |
| [770] | {1630,5220,5886} | => | {1631} | 1.14E-06 | 0.20000 | 936.99 | 7 |
| [771] | {1630,3903,5220} | => | {1631} | 1.64E-06 | 0.20000 | 936.99 | 10 |
| [772] | {1304,1647,5220} | => | {1631} | 1.31E-06 | 0.20000 | 936.99 | 8 |
| [773] | {5220,5874,6690} | => | {1631} | 1.31E-06 | 0.20000 | 936.99 | 8 |
| [774] | {5220,5874,8699} | => | {1631} | 1.14E-06 | 0.20000 | 936.99 | 7 |
| [775] | {3881,5223,5225,7122} | => | {1631} | 1.14E-06 | 0.20000 | 936.99 | 7 |
| [776] | {1304,1647,3881,5220} | => | {1631} | 1.14E-06 | 0.20000 | 936.99 | 7 |
| [777] | {1630,3881,5220,6691} | => | {1631} | 1.31E-06 | 0.20000 | 936.99 | 8 |
| [778] | {3881,5220,6691,7122} | => | {1631} | 1.14E-06 | 0.20000 | 936.99 | 7 |
| [779] | {1630,4756,5220,7122} | => | {1631} | 1.14E-06 | 0.20000 | 936.99 | 7 |
| [780] | {1306,1630,3881,5220} | => | {1631} | 1.31E-06 | 0.20000 | 936.99 | 8 |
| [781] | {1630,3881,5220,8699} | => | {1631} | 1.31E-06 | 0.20000 | 936.99 | 8 |
| [782] | {3890,3895,3903,6689} | => | {3892} | 1.64E-06 | 0.29412 | 934.61 | 10 |
| [783] | {3890,3895,4374,7794} | => | {3892} | 1.64E-06 | 0.29412 | 934.61 | 10 |
| [784] | {2388,2716,3890,3895} | => | {3892} | 1.64E-06 | 0.29412 | 934.61 | 10 |
| [785] | {2089,7138,7794} | => | {4043} | 1.14E-06 | 0.77778 | 930.75 | 7 |
| [786] | {1651,4037,7138} | => | {4043} | 1.14E-06 | 0.77778 | 930.75 | 7 |
| [787] | {4053,6678,7138} | => | {4043} | 1.14E-06 | 0.77778 | 930.75 | 7 |
| [788] | {4752,4776,6672} | => | {4771} | 1.80E-06 | 0.61111 | 930.11 | 11 |
| [789] | {1651,3165,5230} | => | {4406} | 1.47E-06 | 0.56250 | 929.47 | 9 |
| [790] | {3890,3895,6689,7145} | => | {3892} | 1.14E-06 | 0.29167 | 926.82 | 7 |
| [791] | {3881,3890,6689,7145} | => | {3892} | 1.14E-06 | 0.29167 | 926.82 | 7 |
| [792] | {1648,2716,3890,3895} | => | {3892} | 1.14E-06 | 0.29167 | 926.82 | 7 |
| [793] | {1304,3148,3868} | => | {7111} | 1.47E-06 | 0.75000 | 926.71 | 9 |
| [794] | {1304,1651,3148,5554} | => | {7111} | 1.47E-06 | 0.75000 | 926.71 | 9 |
| [795] | {3148,3881,5554,7122} | => | {7111} | 2.45E-06 | 0.75000 | 926.71 | 15 |
| [796] | {1304,6689,7119,8210} | => | {7111} | 1.47E-06 | 0.75000 | 926.71 | 9 |
| [797] | {1630,3895,8210,8699} | => | {7111} | 1.47E-06 | 0.75000 | 926.71 | 9 |
| [798] | {1630,3890,4750,8210} | => | {7111} | 1.47E-06 | 0.75000 | 926.71 | 9 |
| [799] | {1304,1631,1651,5223} | => | {5220} | 2.29E-06 | 0.73684 | 923.33 | 14 |
| [800] | {2089,2716,3890,7122} | => | {3892} | 1.47E-06 | 0.29032 | 922.55 | 9 |
| [801] | {1622,1630,1638,1651} | => | {1636} | 1.14E-06 | 0.63636 | 921.08 | 7 |
| [802] | {2089,3881,3895,8210} | => | {3892} | 1.80E-06 | 0.28947 | 919.85 | 11 |
| [803] | {1304,1631,3881,4752} | => | {5220} | 1.80E-06 | 0.73333 | 918.93 | 11 |
| [804] | {2089,2716,3881,3890} | => | {3892} | 2.13E-06 | 0.28889 | 917.99 | 13 |
| [805] | {1647,4755,7139} | => | {4740} | 1.31E-06 | 0.26667 | 917.48 | 8 |
| [806] | {1308,3883,4033} | => | {7481} | 1.14E-06 | 0.50000 | 917.17 | 7 |
| [807] | {2402,3171,4397,7794} | => | {7481} | 1.31E-06 | 0.50000 | 917.17 | 8 |
| [808] | {2402,4374,4397,4733} | => | {7481} | 1.14E-06 | 0.50000 | 917.17 | 7 |

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| | | | | | | |
|---|---|---|---|---|---|---|
| [809] | {2402,4374,4397,7794} | => | {7481} | 1.47E-06 | 0.50000 | 917.17 | 9 |
| [810] | {3536,3866,3883,7794} | => | {7481} | 1.47E-06 | 0.50000 | 917.17 | 9 |
| [811] | {2402,3152,3171,3883} | => | {7481} | 1.64E-06 | 0.50000 | 917.17 | 10 |
| [812] | {2402,3171,3883,7151} | => | {7481} | 1.47E-06 | 0.50000 | 917.17 | 9 |
| [813] | {2402,3536,3883,4374} | => | {7481} | 1.14E-06 | 0.50000 | 917.17 | 7 |
| [814] | {2402,3883,4374,7791} | => | {7481} | 1.14E-06 | 0.50000 | 917.17 | 7 |
| [815] | {2402,3536,3883,4733} | => | {7481} | 1.31E-06 | 0.50000 | 917.17 | 8 |
| [816] | {2402,3883,4035,4733} | => | {7481} | 1.31E-06 | 0.50000 | 917.17 | 8 |
| [817] | {2402,3167,4388,7791} | => | {7481} | 1.14E-06 | 0.50000 | 917.17 | 7 |
| [818] | {2402,3536,4035,4733} | => | {7481} | 1.47E-06 | 0.50000 | 917.17 | 9 |
| [819] | {3171,3883,4029,4374} | => | {7481} | 1.14E-06 | 0.50000 | 917.17 | 7 |
| [820] | {3883,4374,4388,4733} | => | {7481} | 1.80E-06 | 0.50000 | 917.17 | 11 |
| [821] | {3536,3883,4029,6672} | => | {7481} | 1.14E-06 | 0.50000 | 917.17 | 7 |
| [822] | {3536,3883,4029,4035} | => | {7481} | 2.62E-06 | 0.50000 | 917.17 | 16 |
| [823] | {1651,3883,4029,4733} | => | {7481} | 1.14E-06 | 0.50000 | 917.17 | 7 |
| [824] | {3883,4029,4388,6672} | => | {7481} | 1.31E-06 | 0.50000 | 917.17 | 8 |
| [825] | {3148,5554} | => | {7111} | 3.27E-06 | 0.74074 | 915.27 | 20 |
| [826] | {1631,4735,5223} | => | {5220} | 1.31E-06 | 0.72727 | 911.34 | 8 |
| [827] | {1631,3881,4735,7794} | => | {5220} | 1.31E-06 | 0.72727 | 911.34 | 8 |
| [828] | {4397,4763,5874} | => | {3875} | 1.31E-06 | 0.25000 | 908.72 | 8 |
| [829] | {3869,3890,3895,4374} | => | {3892} | 1.31E-06 | 0.28571 | 907.91 | 8 |
| [830] | {2089,3890,3895,6690} | => | {3892} | 1.64E-06 | 0.28571 | 907.91 | 10 |
| [831] | {1636,3156,3536} | => | {1634} | 1.14E-06 | 0.87500 | 907.48 | 7 |
| [832] | {1304,1306,3148,3881} | => | {7111} | 1.80E-06 | 0.73333 | 906.12 | 11 |
| [833] | {1630,3148,3881,5554} | => | {7111} | 1.80E-06 | 0.73333 | 906.12 | 11 |
| [834] | {3890,3895,7119,8210} | => | {7111} | 1.80E-06 | 0.73333 | 906.12 | 11 |
| [835] | {1630,7136} | => | {2079} | 1.31E-06 | 0.32000 | 902.00 | 8 |
| [836] | {7122,7136} | => | {2079} | 3.93E-06 | 0.32000 | 902.00 | 24 |
| [837] | {3530,4755} | => | {6345} | 1.14E-06 | 0.38889 | 898.91 | 7 |
| [838] | {1651,2068,4755} | => | {6345} | 1.14E-06 | 0.38889 | 898.91 | 7 |
| [839] | {1651,3148,3165} | => | {7111} | 1.31E-06 | 0.72727 | 898.63 | 8 |
| [840] | {3148,3881,5554} | => | {7111} | 2.62E-06 | 0.72727 | 898.63 | 16 |
| [841] | {1630,3148,7122,8210} | => | {7111} | 1.31E-06 | 0.72727 | 898.63 | 8 |
| [842] | {1304,3148,3868,3881} | => | {7111} | 1.31E-06 | 0.72727 | 898.63 | 8 |
| [843] | {1304,2388,3148,7122} | => | {7111} | 1.31E-06 | 0.72727 | 898.63 | 8 |
| [844] | {1304,3148,7122,7794} | => | {7111} | 1.31E-06 | 0.72727 | 898.63 | 8 |
| [845] | {1651,3148,3165,7122} | => | {7111} | 1.31E-06 | 0.72727 | 898.63 | 8 |
| [846] | {3890,3895,6689,8210} | => | {3892} | 2.13E-06 | 0.28261 | 898.04 | 13 |
| [847] | {3177,4755,7122} | => | {7139} | 1.14E-06 | 0.38889 | 897.55 | 7 |
| [848] | {3163,3881,5230} | => | {4406} | 3.11E-06 | 0.54286 | 897.01 | 19 |
| [849] | {3881,3895,7797,8210} | => | {3892} | 1.80E-06 | 0.28205 | 896.27 | 11 |
| [850] | {2089,2716,3895} | => | {3892} | 3.27E-06 | 0.28169 | 895.12 | 20 |
| [851] | {1632,3865} | => | {5220} | 1.64E-06 | 0.71429 | 895.07 | 10 |

| [852] | {1631,3903,7794} | => | {5220} | 1.64E-06 | 0.71429 | 895.07 | 10 |
| [853] | {1631,3881,5223,6672} | => | {5220} | 1.64E-06 | 0.71429 | 895.07 | 10 |
| [854] | {1630,3895,7797,8210} | => | {3892} | 1.47E-06 | 0.28125 | 893.72 | 9 |
| [855] | {2402,3883,4374} | => | {7481} | 3.11E-06 | 0.48718 | 893.65 | 19 |
| [856] | {3152,3881,4374,4401} | => | {3154} | 1.14E-06 | 0.33333 | 893.44 | 7 |
| [857] | {1651,3895,4393,8210} | => | {3892} | 1.14E-06 | 0.28000 | 889.75 | 7 |
| [858] | {1630,3890,7797,8210} | => | {3892} | 1.14E-06 | 0.28000 | 889.75 | 7 |
| [859] | {1651,3890,3895,5880} | => | {3892} | 1.14E-06 | 0.28000 | 889.75 | 7 |
| [860] | {2716,3895,5874,7122} | => | {3892} | 1.14E-06 | 0.28000 | 889.75 | 7 |
| [861] | {4799,5230,6689} | => | {4406} | 1.14E-06 | 0.53846 | 889.75 | 7 |
| [862] | {3536,3883,4029,4047} | => | {7481} | 2.45E-06 | 0.48387 | 887.58 | 15 |
| [863] | {1304,3152,4374,4763} | => | {4397} | 1.80E-06 | 0.64706 | 885.81 | 11 |
| [864] | {1622,2402,3536} | => | {7481} | 2.29E-06 | 0.48276 | 885.54 | 14 |
| [865] | {1304,1630,1631,5223} | => | {5220} | 1.96E-06 | 0.70588 | 884.54 | 12 |
| [866] | {3171,3906,7122,7148} | => | {3904} | 1.14E-06 | 0.53846 | 884.49 | 7 |
| [867] | {1306,3890,8210} | => | {3892} | 1.64E-06 | 0.27778 | 882.69 | 10 |
| [868] | {3148,4393} | => | {7111} | 1.64E-06 | 0.71429 | 882.58 | 10 |
| [869] | {1304,1630,3148,3865} | => | {7111} | 1.64E-06 | 0.71429 | 882.58 | 10 |
| [870] | {1304,1630,3148,7122} | => | {7111} | 2.45E-06 | 0.71429 | 882.58 | 15 |
| [871] | {1306,1651,3148,3881} | => | {7111} | 1.64E-06 | 0.71429 | 882.58 | 10 |
| [872] | {3160,3890,6670,7119} | => | {7111} | 1.64E-06 | 0.71429 | 882.58 | 10 |
| [873] | {1304,3869,3890,3895} | => | {7111} | 1.64E-06 | 0.71429 | 882.58 | 10 |
| [874] | {3163,4799,5230} | => | {4406} | 1.31E-06 | 0.53333 | 881.27 | 8 |
| [875] | {3152,3171,4374,4763} | => | {4397} | 1.47E-06 | 0.64286 | 880.05 | 9 |
| [876] | {3883,4029,4047,4374} | => | {7481} | 1.80E-06 | 0.47826 | 877.29 | 11 |
| [877] | {1304,1631,4752} | => | {5220} | 2.29E-06 | 0.70000 | 877.16 | 14 |
| [878] | {1304,1630,1631,5552} | => | {5220} | 1.14E-06 | 0.70000 | 877.16 | 7 |
| [879] | {1304,1631,1651,4752} | => | {5220} | 1.14E-06 | 0.70000 | 877.16 | 7 |
| [880] | {1631,1651,4752,5223} | => | {5220} | 1.14E-06 | 0.70000 | 877.16 | 7 |
| [881] | {1304,1631,1645,1651} | => | {5220} | 1.14E-06 | 0.70000 | 877.16 | 7 |
| [882] | {1630,3895,7119,8210} | => | {7111} | 3.60E-06 | 0.70968 | 876.89 | 22 |
| [883] | {2716,3177,3890,3895} | => | {3892} | 1.31E-06 | 0.27586 | 876.60 | 8 |
| [884] | {1651,3153,3881} | => | {3154} | 2.78E-06 | 0.32692 | 876.26 | 17 |
| [885] | {1647,7136} | => | {2079} | 1.47E-06 | 0.31034 | 874.78 | 9 |
| [886] | {2402,3883,4035,7791} | => | {7481} | 1.64E-06 | 0.47619 | 873.49 | 10 |
| [887] | {3152,3171,3883,4029} | => | {7481} | 1.64E-06 | 0.47619 | 873.49 | 10 |
| [888] | {1304,1306,3148,7122} | => | {7111} | 1.96E-06 | 0.70588 | 872.20 | 12 |
| [889] | {1304,1651,3148,3881} | => | {7111} | 1.96E-06 | 0.70588 | 872.20 | 12 |
| [890] | {1304,2714,4374,4799} | => | {4397} | 1.14E-06 | 0.63636 | 871.17 | 7 |
| [891] | {2390,4053,4374,7149} | => | {4397} | 1.14E-06 | 0.63636 | 871.17 | 7 |
| [892] | {1304,3152,4374,4738} | => | {4397} | 1.14E-06 | 0.63636 | 871.17 | 7 |
| [893] | {1630,3152,4750,4799} | => | {4397} | 1.14E-06 | 0.63636 | 871.17 | 7 |
| [894] | {3881,3890,3895,7145} | => | {3892} | 3.27E-06 | 0.27397 | 870.59 | 20 |

| [895] | {1651,6680,7138} | => | {4043} | 1.31E-06 | 0.72727 | 870.31 | 8 |
|---|---|---|---|---|---|---|---|
| [896] | {4053,7138,7794} | => | {4043} | 1.31E-06 | 0.72727 | 870.31 | 8 |
| [897] | {1308,3883,7151} | => | {7481} | 1.47E-06 | 0.47368 | 868.90 | 9 |
| [898] | {2402,4047,4733,7151} | => | {7481} | 1.47E-06 | 0.47368 | 868.90 | 9 |
| [899] | {1622,3883,4029,4031} | => | {7481} | 1.47E-06 | 0.47368 | 868.90 | 9 |
| [900] | {1631,4499,5223} | => | {5220} | 1.47E-06 | 0.69231 | 867.53 | 9 |
| [901] | {1622,1631,4733} | => | {5220} | 1.47E-06 | 0.69231 | 867.53 | 9 |
| [902] | {2716,3890,7797} | => | {3892} | 1.47E-06 | 0.27273 | 866.64 | 9 |
| [903] | {3881,3890,4393,8210} | => | {3892} | 1.47E-06 | 0.27273 | 866.64 | 9 |
| [904] | {3890,6689,7122,8210} | => | {3892} | 1.47E-06 | 0.27273 | 866.64 | 9 |
| [905] | {1630,3890,3895,7114} | => | {3892} | 1.47E-06 | 0.27273 | 866.64 | 9 |
| [906] | {3148,3872,3881} | => | {7111} | 1.14E-06 | 0.70000 | 864.93 | 7 |
| [907] | {3148,4393,7122} | => | {7111} | 1.14E-06 | 0.70000 | 864.93 | 7 |
| [908] | {1630,3148,3881,8210} | => | {7111} | 1.14E-06 | 0.70000 | 864.93 | 7 |
| [909] | {1630,3148,6670,7122} | => | {7111} | 1.14E-06 | 0.70000 | 864.93 | 7 |
| [910] | {1304,3148,3165,7122} | => | {7111} | 1.14E-06 | 0.70000 | 864.93 | 7 |
| [911] | {1304,2388,3148,3881} | => | {7111} | 1.14E-06 | 0.70000 | 864.93 | 7 |
| [912] | {1304,3148,7122,7149} | => | {7111} | 1.14E-06 | 0.70000 | 864.93 | 7 |
| [913] | {1630,3887,3890,6670} | => | {7111} | 1.14E-06 | 0.70000 | 864.93 | 7 |
| [914] | {1306,1630,3150,6670} | => | {7111} | 1.14E-06 | 0.70000 | 864.93 | 7 |
| [915] | {1304,3890,3895,4738} | => | {7111} | 1.14E-06 | 0.70000 | 864.93 | 7 |
| [916] | {3868,6670,7119,8210} | => | {7111} | 1.14E-06 | 0.70000 | 864.93 | 7 |
| [917] | {1304,3895,7119,8210} | => | {7111} | 1.14E-06 | 0.70000 | 864.93 | 7 |
| [918] | {1651,3890,7119,8210} | => | {7111} | 1.14E-06 | 0.70000 | 864.93 | 7 |
| [919] | {3890,6689,8210,8699} | => | {7111} | 1.14E-06 | 0.70000 | 864.93 | 7 |
| [920] | {3890,6672,8210,8699} | => | {7111} | 1.14E-06 | 0.70000 | 864.93 | 7 |
| [921] | {1306,6689,7119,8210} | => | {7111} | 1.14E-06 | 0.70000 | 864.93 | 7 |
| [922] | {6672,6689,7119,8210} | => | {7111} | 2.29E-06 | 0.70000 | 864.93 | 14 |
| [923] | {1647,6689,7119,8210} | => | {7111} | 1.14E-06 | 0.70000 | 864.93 | 7 |
| [924] | {1645,3890,6670,6672} | => | {7111} | 1.14E-06 | 0.70000 | 864.93 | 7 |
| [925] | {1306,3524,3895,6672} | => | {7111} | 1.14E-06 | 0.70000 | 864.93 | 7 |
| [926] | {1622,2402,4733} | => | {7481} | 1.31E-06 | 0.47059 | 863.22 | 8 |
| [927] | {1308,3883,4388,4733} | => | {7481} | 1.31E-06 | 0.47059 | 863.22 | 8 |
| [928] | {2402,3167,3171,3883} | => | {7481} | 1.31E-06 | 0.47059 | 863.22 | 8 |
| [929] | {2402,3883,4047,7151} | => | {7481} | 1.31E-06 | 0.47059 | 863.22 | 8 |
| [930] | {2402,3883,4031,7151} | => | {7481} | 1.31E-06 | 0.47059 | 863.22 | 8 |
| [931] | {2402,3152,3536,4099} | => | {7481} | 1.31E-06 | 0.47059 | 863.22 | 8 |
| [932] | {1632,1651} | => | {5220} | 1.80E-06 | 0.68750 | 861.50 | 11 |
| [933] | {1631,5223,7149} | => | {5220} | 1.80E-06 | 0.68750 | 861.50 | 11 |
| [934] | {1630,3895,6689,7119} | => | {7111} | 3.76E-06 | 0.69697 | 861.19 | 23 |
| [935] | {3865,3890,3895,5552} | => | {3892} | 2.13E-06 | 0.27083 | 860.62 | 13 |
| [936] | {3883,4047,4374,7794} | => | {7481} | 2.45E-06 | 0.46875 | 859.84 | 15 |
| [937] | {1304,3895,6672,8210} | => | {7111} | 2.62E-06 | 0.69565 | 859.56 | 16 |

| [938] | {3890,3895,6672,8210} | => | {3892} | 1.64E-06 | 0.27027 | 858.83 | 10 |
|---|---|---|---|---|---|---|---|
| [939] | {3869,3890,3895,6672} | => | {3892} | 1.64E-06 | 0.27027 | 858.83 | 10 |
| [940] | {1630,3881,4753,4785} | => | {4761} | 1.31E-06 | 0.30769 | 858.59 | 8 |
| [941] | {3153,3881,5874} | => | {3154} | 1.31E-06 | 0.32000 | 857.71 | 8 |
| [942] | {2402,2404,3536} | => | {7481} | 1.14E-06 | 0.46667 | 856.02 | 7 |
| [943] | {1622,2404,7794} | => | {7481} | 1.14E-06 | 0.46667 | 856.02 | 7 |
| [944] | {3171,3521,4033} | => | {7481} | 1.14E-06 | 0.46667 | 856.02 | 7 |
| [945] | {2402,2404,3167,4031} | => | {7481} | 1.14E-06 | 0.46667 | 856.02 | 7 |
| [946] | {2402,2404,3152,4031} | => | {7481} | 1.14E-06 | 0.46667 | 856.02 | 7 |
| [947] | {1308,3883,4029,4388} | => | {7481} | 1.14E-06 | 0.46667 | 856.02 | 7 |
| [948] | {2402,3883,4374,7794} | => | {7481} | 2.29E-06 | 0.46667 | 856.02 | 14 |
| [949] | {3883,4374,5895,7794} | => | {7481} | 1.14E-06 | 0.46667 | 856.02 | 7 |
| [950] | {3171,3883,4029,4388} | => | {7481} | 1.14E-06 | 0.46667 | 856.02 | 7 |
| [951] | {3883,4029,4049,7151} | => | {7481} | 1.14E-06 | 0.46667 | 856.02 | 7 |
| [952] | {1622,3536,3883,4029} | => | {7481} | 1.14E-06 | 0.46667 | 856.02 | 7 |
| [953] | {3883,4029,4053,4388} | => | {7481} | 1.14E-06 | 0.46667 | 856.02 | 7 |
| [954] | {1304,3152,3167,6670} | => | {4397} | 1.64E-06 | 0.62500 | 855.61 | 10 |
| [955] | {3890,3903,6672,6689} | => | {3892} | 1.14E-06 | 0.26923 | 855.53 | 7 |
| [956] | {3890,4374,6689,8210} | => | {3892} | 1.14E-06 | 0.26923 | 855.53 | 7 |
| [957] | {2716,3184,3881,3895} | => | {3892} | 1.14E-06 | 0.26923 | 855.53 | 7 |
| [958] | {3890,3895,6672,7149} | => | {3892} | 2.29E-06 | 0.26923 | 855.53 | 14 |
| [959] | {3148,3881,7146} | => | {7111} | 1.47E-06 | 0.69231 | 855.43 | 9 |
| [960] | {1304,3890,4738,5554} | => | {7111} | 1.47E-06 | 0.69231 | 855.43 | 9 |
| [961] | {1306,3895,6689,8210} | => | {7111} | 1.47E-06 | 0.69231 | 855.43 | 9 |
| [962] | {3895,6672,6690,8210} | => | {7111} | 1.47E-06 | 0.69231 | 855.43 | 9 |
| [963] | {3152,3153,3160} | => | {3154} | 1.14E-06 | 0.31818 | 852.83 | 7 |
| [964] | {3152,3160,3881,4401} | => | {3154} | 1.14E-06 | 0.31818 | 852.83 | 7 |
| [965] | {3890,3895,7114,7122} | => | {3892} | 1.80E-06 | 0.26829 | 852.55 | 11 |
| [966] | {1651,2714,4738,5554} | => | {5218} | 1.14E-06 | 0.87500 | 850.49 | 7 |
| [967] | {1651,3148,5554} | => | {7111} | 1.80E-06 | 0.68750 | 849.49 | 11 |
| [968] | {1304,3148,3865,7122} | => | {7111} | 1.80E-06 | 0.68750 | 849.49 | 11 |
| [969] | {3868,5554,7119,8210} | => | {7111} | 1.80E-06 | 0.68750 | 849.49 | 11 |
| [970] | {5554,6689,7119,8210} | => | {7111} | 1.80E-06 | 0.68750 | 849.49 | 11 |
| [971] | {1647,3895,6670,7119} | => | {7111} | 1.80E-06 | 0.68750 | 849.49 | 11 |
| [972] | {3890,3895,6689,7119} | => | {7111} | 1.80E-06 | 0.68750 | 849.49 | 11 |
| [973] | {3177,3881,4755} | => | {6345} | 1.80E-06 | 0.36667 | 847.54 | 11 |
| [974] | {1647,3890,3895,5552} | => | {3892} | 1.31E-06 | 0.26667 | 847.38 | 8 |
| [975] | {1630,2388,3895,3903} | => | {3892} | 1.31E-06 | 0.26667 | 847.38 | 8 |
| [976] | {2388,3890,3895,6689} | => | {3892} | 1.96E-06 | 0.26667 | 847.38 | 12 |
| [977] | {3881,4037,7138} | => | {4043} | 1.96E-06 | 0.70588 | 844.72 | 12 |
| [978] | {1630,3890,3895,5552} | => | {3892} | 2.13E-06 | 0.26531 | 843.06 | 13 |
| [979] | {2089,3890,3895,6672} | => | {3892} | 2.13E-06 | 0.26531 | 843.06 | 13 |
| [980] | {6670,6689,7119,8210} | => | {7111} | 2.45E-06 | 0.68182 | 842.47 | 15 |

| [981] | {3165,3881,3890,3895} | => | {3892} | 1.47E-06 | 0.26471 | 841.15 | 9 |
|---|---|---|---|---|---|---|---|
| [982] | {2716,3890,4374,7122} | => | {3892} | 1.47E-06 | 0.26471 | 841.15 | 9 |
| [983] | {4037,7138} | => | {4043} | 4.25E-06 | 0.70270 | 840.91 | 26 |
| [984] | {2402,3536,3883,4388} | => | {7481} | 1.80E-06 | 0.45833 | 840.74 | 11 |
| [985] | {4755,5874,7794} | => | {7139} | 1.31E-06 | 0.36364 | 839.27 | 8 |
| [986] | {1647,3881,6678,7138} | => | {4043} | 1.14E-06 | 0.70000 | 837.68 | 7 |
| [987] | {3881,4755,6672} | => | {4740} | 1.47E-06 | 0.24324 | 836.89 | 9 |
| [988] | {1304,3152,4374,4750} | => | {4397} | 1.80E-06 | 0.61111 | 836.60 | 11 |
| [989] | {3865,3890,6672,8210} | => | {3892} | 1.64E-06 | 0.26316 | 836.23 | 10 |
| [990] | {1631,2390} | => | {5220} | 1.31E-06 | 0.66667 | 835.40 | 8 |
| [991] | {1632,3881,7122} | => | {5220} | 1.31E-06 | 0.66667 | 835.40 | 8 |
| [992] | {1632,3881,7794} | => | {5220} | 1.64E-06 | 0.66667 | 835.40 | 10 |
| [993] | {1631,1645,4752} | => | {5220} | 1.64E-06 | 0.66667 | 835.40 | 10 |
| [994] | {1622,1631,4752} | => | {5220} | 1.31E-06 | 0.66667 | 835.40 | 8 |
| [995] | {1631,4752,7122} | => | {5220} | 1.96E-06 | 0.66667 | 835.40 | 12 |
| [996] | {1631,2089,3903} | => | {5220} | 1.31E-06 | 0.66667 | 835.40 | 8 |
| [997] | {1304,1631,3881,6672} | => | {5220} | 1.31E-06 | 0.66667 | 835.40 | 8 |
| [998] | {1630,1631,5223,6672} | => | {5220} | 1.31E-06 | 0.66667 | 835.40 | 8 |
| [999] | {1630,1631,1651,6672} | => | {5220} | 1.31E-06 | 0.66667 | 835.40 | 8 |
| [1000] | {1630,1631,6690,7122} | => | {5220} | 1.31E-06 | 0.66667 | 835.40 | 8 |
| [1001] | {1630,6670,7119,8210} | => | {7111} | 4.09E-06 | 0.67568 | 834.88 | 25 |
| [1002] | {2402,3883,4029,4033} | => | {7481} | 1.64E-06 | 0.45455 | 833.79 | 10 |
| [1003] | {3152,3883,4029,4031} | => | {7481} | 1.64E-06 | 0.45455 | 833.79 | 10 |
| [1004] | {3165,3890,3895} | => | {3892} | 1.80E-06 | 0.26190 | 832.25 | 11 |
| [1005] | {1630,6670,6689,7119} | => | {7111} | 5.40E-06 | 0.67347 | 832.15 | 33 |
| [1006] | {3881,4393,7138} | => | {4043} | 1.47E-06 | 0.69231 | 828.47 | 9 |
| [1007] | {1651,3865,4752,4753} | => | {4761} | 1.31E-06 | 0.29630 | 826.79 | 8 |
| [1008] | {5230,7143} | => | {4406} | 1.47E-06 | 0.50000 | 826.19 | 9 |
| [1009] | {3165,3881,5230} | => | {4406} | 2.29E-06 | 0.50000 | 826.19 | 14 |
| [1010] | {1645,4374,5230} | => | {4406} | 1.31E-06 | 0.50000 | 826.19 | 8 |
| [1011] | {1645,5230,7131} | => | {4406} | 1.31E-06 | 0.50000 | 826.19 | 8 |
| [1012] | {2089,3163,5230,7131} | => | {4406} | 1.47E-06 | 0.50000 | 826.19 | 9 |
| [1013] | {2391,3163,7122,7131} | => | {4406} | 1.14E-06 | 0.50000 | 826.19 | 7 |
| [1014] | {4755,7139,7794} | => | {4740} | 1.96E-06 | 0.24000 | 825.73 | 12 |
| [1015] | {2402,4397,4733,7794} | => | {7481} | 1.47E-06 | 0.45000 | 825.45 | 9 |
| [1016] | {1630,1651,3153} | => | {3154} | 1.31E-06 | 0.30769 | 824.72 | 8 |
| [1017] | {3890,4374,7145} | => | {3892} | 1.14E-06 | 0.25926 | 823.84 | 7 |
| [1018] | {1651,3865,3895,7145} | => | {3892} | 1.14E-06 | 0.25926 | 823.84 | 7 |
| [1019] | {2388,3881,3890,8210} | => | {3892} | 1.14E-06 | 0.25926 | 823.84 | 7 |
| [1020] | {1304,3890,3895,7149} | => | {3892} | 1.14E-06 | 0.25926 | 823.84 | 7 |
| [1021] | {3881,3890,3895,4020} | => | {3892} | 1.14E-06 | 0.25926 | 823.84 | 7 |
| [1022] | {1645,2716,3890,3895} | => | {3892} | 1.14E-06 | 0.25926 | 823.84 | 7 |
| [1023] | {2388,3890,3895,7199} | => | {3892} | 1.14E-06 | 0.25926 | 823.84 | 7 |

| [1024] | {2388,3890,3895,4799} | => | {3892} | 1.14E-06 | 0.25926 | 823.84 | 7 |
|--------|------------------------|-----|--------|----------|---------|--------|---|
| [1025] | {1647,2089,3895,6672} | => | {3892} | 1.14E-06 | 0.25926 | 823.84 | 7 |
| [1026] | {1630,3890,6689,7797} | => | {3892} | 1.14E-06 | 0.25926 | 823.84 | 7 |
| [1027] | {1630,3148,8210} | => | {7111} | 1.31E-06 | 0.66667 | 823.75 | 8 |
| [1028] | {1304,3148,3865} | => | {7111} | 1.96E-06 | 0.66667 | 823.75 | 12 |
| [1029] | {1304,1651,3148,7122} | => | {7111} | 2.29E-06 | 0.66667 | 823.75 | 14 |
| [1030] | {1304,3148,5874,7122} | => | {7111} | 1.31E-06 | 0.66667 | 823.75 | 8 |
| [1031] | {1651,3148,5554,7122} | => | {7111} | 1.64E-06 | 0.66667 | 823.75 | 10 |
| [1032] | {1651,3148,3881,5554} | => | {7111} | 1.31E-06 | 0.66667 | 823.75 | 8 |
| [1033] | {1304,1630,3887,3890} | => | {7111} | 1.31E-06 | 0.66667 | 823.75 | 8 |
| [1034] | {1304,6670,8210,8699} | => | {7111} | 1.31E-06 | 0.66667 | 823.75 | 8 |
| [1035] | {3895,4733,6670,8210} | => | {7111} | 1.31E-06 | 0.66667 | 823.75 | 8 |
| [1036] | {3890,6670,6672,8210} | => | {7111} | 2.94E-06 | 0.66667 | 823.75 | 18 |
| [1037] | {3868,6670,6672,8210} | => | {7111} | 2.29E-06 | 0.66667 | 823.75 | 14 |
| [1038] | {5554,6670,8210,8699} | => | {7111} | 1.31E-06 | 0.66667 | 823.75 | 8 |
| [1039] | {2388,6670,7119,8210} | => | {7111} | 1.31E-06 | 0.66667 | 823.75 | 8 |
| [1040] | {1304,3890,8210,8699} | => | {7111} | 1.31E-06 | 0.66667 | 823.75 | 8 |
| [1041] | {1304,5554,7119,8210} | => | {7111} | 1.31E-06 | 0.66667 | 823.75 | 8 |
| [1042] | {3881,3895,4750,8210} | => | {7111} | 1.31E-06 | 0.66667 | 823.75 | 8 |
| [1043] | {3881,3890,4750,8210} | => | {7111} | 1.64E-06 | 0.66667 | 823.75 | 10 |
| [1044] | {3890,6672,6689,8210} | => | {7111} | 3.27E-06 | 0.66667 | 823.75 | 20 |
| [1045] | {4733,5554,7119,8210} | => | {7111} | 1.31E-06 | 0.66667 | 823.75 | 8 |
| [1046] | {1306,3177,6689,8210} | => | {7111} | 1.31E-06 | 0.66667 | 823.75 | 8 |
| [1047] | {1306,3865,6689,8210} | => | {7111} | 1.64E-06 | 0.66667 | 823.75 | 10 |
| [1048] | {3895,4374,6670,7119} | => | {7111} | 1.31E-06 | 0.66667 | 823.75 | 8 |
| [1049] | {3890,4750,6670,6672} | => | {7111} | 1.31E-06 | 0.66667 | 823.75 | 8 |
| [1050] | {3160,3868,6670,7119} | => | {7111} | 1.64E-06 | 0.66667 | 823.75 | 10 |
| [1051] | {1308,3883,4733} | => | {7481} | 2.13E-06 | 0.44828 | 822.29 | 13 |
| [1052] | {3152,3186,4374,5874} | => | {4397} | 1.47E-06 | 0.60000 | 821.38 | 9 |
| [1053] | {3171,3906,7148} | => | {3904} | 1.47E-06 | 0.50000 | 821.31 | 9 |
| [1054] | {2398,3866,3868,5874} | => | {3871} | 1.14E-06 | 0.77778 | 821.28 | 7 |
| [1055] | {2716,3895,8210} | => | {3892} | 1.31E-06 | 0.25806 | 820.04 | 8 |
| [1056] | {1304,2388,3890,3895} | => | {3892} | 1.31E-06 | 0.25806 | 820.04 | 8 |
| [1057] | {3878,3890,3895,7122} | => | {3892} | 1.31E-06 | 0.25806 | 820.04 | 8 |
| [1058] | {2388,3177,3890,3895} | => | {3892} | 1.31E-06 | 0.25806 | 820.04 | 8 |
| [1059] | {3890,7145,8210} | => | {3892} | 1.47E-06 | 0.25714 | 817.12 | 9 |
| [1060] | {3890,3903,8210} | => | {3892} | 1.47E-06 | 0.25714 | 817.12 | 9 |
| [1061] | {1648,3890,3895,6689} | => | {3892} | 1.47E-06 | 0.25714 | 817.12 | 9 |
| [1062] | {1651,3153,3160} | => | {3154} | 1.14E-06 | 0.30435 | 815.75 | 7 |
| [1063] | {1653,3186,3506} | => | {3154} | 1.14E-06 | 0.30435 | 815.75 | 7 |
| [1064] | {1308,3883,4733,7794} | => | {7481} | 1.31E-06 | 0.44444 | 815.26 | 8 |
| [1065] | {1308,3883,4029,4035} | => | {7481} | 1.31E-06 | 0.44444 | 815.26 | 8 |
| [1066] | {1622,3521,4031,7794} | => | {7481} | 1.31E-06 | 0.44444 | 815.26 | 8 |

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| [1067] | {1622,1634,1635} | => | {1636} | 1.47E-06 | 0.56250 | 814.17 | 9 |
|---|---|---|---|---|---|---|---|
| [1068] | {1651,3890,7145} | => | {3892} | 1.80E-06 | 0.25581 | 812.89 | 11 |
| [1069] | {3890,4393,8210} | => | {3892} | 1.80E-06 | 0.25581 | 812.89 | 11 |
| [1070] | {2089,3895,8210} | => | {3892} | 1.96E-06 | 0.25532 | 811.32 | 12 |
| [1071] | {1631,3881,4415} | => | {5220} | 1.80E-06 | 0.64706 | 810.82 | 11 |
| [1072] | {3890,3895,3903} | => | {3892} | 6.22E-06 | 0.25503 | 810.41 | 38 |
| [1073] | {1630,3865,4733,5225} | => | {5218} | 1.64E-06 | 0.83333 | 809.99 | 10 |
| [1074] | {3868,3890,3895,8210} | => | {3892} | 2.13E-06 | 0.25490 | 809.99 | 13 |
| [1075] | {3890,3895,5554,7119} | => | {7111} | 3.11E-06 | 0.65517 | 809.54 | 19 |
| [1076] | {1304,1630,3148} | => | {7111} | 2.78E-06 | 0.65385 | 807.90 | 17 |
| [1077] | {1630,6672,7119,8210} | => | {7111} | 2.78E-06 | 0.65385 | 807.90 | 17 |
| [1078] | {3883,4029,4051} | => | {7481} | 1.80E-06 | 0.44000 | 807.11 | 11 |
| [1079] | {2402,3883,4029,4374} | => | {7481} | 1.80E-06 | 0.44000 | 807.11 | 11 |
| [1080] | {4415,5230} | => | {4406} | 3.43E-06 | 0.48837 | 806.98 | 21 |
| [1081] | {1622,1636,3156,7794} | => | {1634} | 1.14E-06 | 0.77778 | 806.65 | 7 |
| [1082] | {1306,3148,3881} | => | {7111} | 2.45E-06 | 0.65217 | 805.84 | 15 |
| [1083] | {1304,1630,3148,3881} | => | {7111} | 2.45E-06 | 0.65217 | 805.84 | 15 |
| [1084] | {1304,1631,6672} | => | {5220} | 1.47E-06 | 0.64286 | 805.56 | 9 |
| [1085] | {1631,1647,1651,5223} | => | {5220} | 1.47E-06 | 0.64286 | 805.56 | 9 |
| [1086] | {1630,1631,5223,7794} | => | {5220} | 1.47E-06 | 0.64286 | 805.56 | 9 |
| [1087] | {1630,1631,3881,4735} | => | {5220} | 1.47E-06 | 0.64286 | 805.56 | 9 |
| [1088] | {1651,2388,4755} | => | {6345} | 1.31E-06 | 0.34783 | 803.99 | 8 |
| [1089] | {1306,1651,3148} | => | {7111} | 2.13E-06 | 0.65000 | 803.15 | 13 |
| [1090] | {1306,1630,6670,7119} | => | {7111} | 2.13E-06 | 0.65000 | 803.15 | 13 |
| [1091] | {2392,3883,4035} | => | {7481} | 1.14E-06 | 0.43750 | 802.52 | 7 |
| [1092] | {3152,3504,3883} | => | {7481} | 1.14E-06 | 0.43750 | 802.52 | 7 |
| [1093] | {2402,2404,3152,7151} | => | {7481} | 1.14E-06 | 0.43750 | 802.52 | 7 |
| [1094] | {3152,3883,4374,7794} | => | {7481} | 1.14E-06 | 0.43750 | 802.52 | 7 |
| [1095] | {3152,3883,7792,7794} | => | {7481} | 1.14E-06 | 0.43750 | 802.52 | 7 |
| [1096] | {1304,4776,6672} | => | {4771} | 1.64E-06 | 0.52632 | 801.05 | 10 |
| [1097] | {1630,3890,8210,8699} | => | {7111} | 1.80E-06 | 0.64706 | 799.52 | 11 |
| [1098] | {3171,3875,6670} | => | {4397} | 1.14E-06 | 0.58333 | 798.57 | 7 |
| [1099] | {3154,4374,6689} | => | {4397} | 1.14E-06 | 0.58333 | 798.57 | 7 |
| [1100] | {1651,3152,3875,5874} | => | {4397} | 1.14E-06 | 0.58333 | 798.57 | 7 |
| [1101] | {1304,3152,3171,4763} | => | {4397} | 1.14E-06 | 0.58333 | 798.57 | 7 |
| [1102] | {1304,3171,3887,4799} | => | {4397} | 1.14E-06 | 0.58333 | 798.57 | 7 |
| [1103] | {3171,3887,4374,4799} | => | {4397} | 1.14E-06 | 0.58333 | 798.57 | 7 |
| [1104] | {1645,3160,4374,4752} | => | {4397} | 1.14E-06 | 0.58333 | 798.57 | 7 |
| [1105] | {1651,3167,4374,4415} | => | {4397} | 1.14E-06 | 0.58333 | 798.57 | 7 |
| [1106] | {1304,3150,3160,4374} | => | {4397} | 1.14E-06 | 0.58333 | 798.57 | 7 |
| [1107] | {1645,4374,4738,6675} | => | {4397} | 1.14E-06 | 0.58333 | 798.57 | 7 |
| [1108] | {1304,3152,3171,7151} | => | {4397} | 1.14E-06 | 0.58333 | 798.57 | 7 |
| [1109] | {1632,5874,7794} | => | {5220} | 1.14E-06 | 0.63636 | 797.42 | 7 |

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| [1110] | {1631,4755,5223} | => | {5220} | 1.14E-06 | 0.63636 | 797.42 | 7 |
|---|---|---|---|---|---|---|---|
| [1111] | {1631,2388,6672} | => | {5220} | 1.14E-06 | 0.63636 | 797.42 | 7 |
| [1112] | {1631,5874,8699} | => | {5220} | 1.14E-06 | 0.63636 | 797.42 | 7 |
| [1113] | {1631,1647,7149} | => | {5220} | 2.29E-06 | 0.63636 | 797.42 | 14 |
| [1114] | {1630,1631,5223,5552} | => | {5220} | 1.14E-06 | 0.63636 | 797.42 | 7 |
| [1115] | {1630,1631,3530,3881} | => | {5220} | 1.14E-06 | 0.63636 | 797.42 | 7 |
| [1116] | {1631,1647,3881,5878} | => | {5220} | 1.14E-06 | 0.63636 | 797.42 | 7 |
| [1117] | {1630,1631,1651,7149} | => | {5220} | 1.14E-06 | 0.63636 | 797.42 | 7 |
| [1118] | {1630,1631,3865,7794} | => | {5220} | 1.14E-06 | 0.63636 | 797.42 | 7 |
| [1119] | {2089,3163,5230} | => | {4406} | 2.13E-06 | 0.48148 | 795.59 | 13 |
| [1120] | {3890,3903,6689} | => | {3892} | 3.43E-06 | 0.25000 | 794.42 | 21 |
| [1121] | {2388,3890,8210} | => | {3892} | 1.64E-06 | 0.25000 | 794.42 | 10 |
| [1122] | {2716,3895,6672} | => | {3892} | 3.60E-06 | 0.25000 | 794.42 | 22 |
| [1123] | {1651,3865,3890,7145} | => | {3892} | 1.14E-06 | 0.25000 | 794.42 | 7 |
| [1124] | {1647,1651,3895,3903} | => | {3892} | 1.14E-06 | 0.25000 | 794.42 | 7 |
| [1125] | {1304,3890,3895,8210} | => | {3892} | 1.47E-06 | 0.25000 | 794.42 | 9 |
| [1126] | {1651,3890,3895,8210} | => | {3892} | 2.29E-06 | 0.25000 | 794.42 | 14 |
| [1127] | {3865,3890,4393,8210} | => | {3892} | 1.14E-06 | 0.25000 | 794.42 | 7 |
| [1128] | {3517,3890,3895,7797} | => | {3892} | 1.64E-06 | 0.25000 | 794.42 | 10 |
| [1129] | {1630,3890,4374,7797} | => | {3892} | 1.14E-06 | 0.25000 | 794.42 | 7 |
| [1130] | {3881,3890,6689,7797} | => | {3892} | 1.47E-06 | 0.25000 | 794.42 | 9 |
| [1131] | {1304,2388,3148} | => | {7111} | 1.47E-06 | 0.64286 | 794.33 | 9 |
| [1132] | {1304,3148,7149} | => | {7111} | 1.47E-06 | 0.64286 | 794.33 | 9 |
| [1133] | {3865,3895,8210,8699} | => | {7111} | 1.47E-06 | 0.64286 | 794.33 | 9 |
| [1134] | {3177,6672,6689,7119} | => | {7111} | 1.47E-06 | 0.64286 | 794.33 | 9 |
| [1135] | {1651,3152,4374,4763} | => | {4397} | 1.80E-06 | 0.57895 | 792.56 | 11 |
| [1136] | {1304,3148,3881,7122} | => | {7111} | 4.09E-06 | 0.64103 | 792.06 | 25 |
| [1137] | {1631,3881,4763} | => | {5220} | 1.96E-06 | 0.63158 | 791.43 | 12 |
| [1138] | {1630,1631,1647,5223} | => | {5220} | 1.96E-06 | 0.63158 | 791.43 | 12 |
| [1139] | {1631,1647,3881,7149} | => | {5220} | 1.96E-06 | 0.63158 | 791.43 | 12 |
| [1140] | {1304,1651,3148} | => | {7111} | 2.62E-06 | 0.64000 | 790.80 | 16 |
| [1141] | {1304,3148,4752} | => | {7111} | 1.14E-06 | 0.63636 | 786.30 | 7 |
| [1142] | {3148,6670,7122} | => | {7111} | 1.14E-06 | 0.63636 | 786.30 | 7 |
| [1143] | {1651,2388,3148} | => | {7111} | 1.14E-06 | 0.63636 | 786.30 | 7 |
| [1144] | {1630,1648,3148} | => | {7111} | 1.14E-06 | 0.63636 | 786.30 | 7 |
| [1145] | {1304,3890,8211} | => | {7111} | 1.14E-06 | 0.63636 | 786.30 | 7 |
| [1146] | {1630,3148,3881,6670} | => | {7111} | 1.14E-06 | 0.63636 | 786.30 | 7 |
| [1147] | {1304,3148,3881,6672} | => | {7111} | 1.14E-06 | 0.63636 | 786.30 | 7 |
| [1148] | {1306,3148,3881,7122} | => | {7111} | 2.29E-06 | 0.63636 | 786.30 | 14 |
| [1149] | {1630,1648,3148,7122} | => | {7111} | 1.14E-06 | 0.63636 | 786.30 | 7 |
| [1150] | {3148,3881,7122,7146} | => | {7111} | 1.14E-06 | 0.63636 | 786.30 | 7 |
| [1151] | {1630,6670,6672,6687} | => | {7111} | 1.14E-06 | 0.63636 | 786.30 | 7 |
| [1152] | {2069,3524,3881,6670} | => | {7111} | 1.14E-06 | 0.63636 | 786.30 | 7 |

| | | | | | | |
|---|---|---|---|---|---|---|
| [1153] | {3881,3887,3895,6670} | => | {7111} | 1.14E-06 | 0.63636 | 786.30 | 7 |
| [1154] | {1304,3887,3890,6672} | => | {7111} | 1.14E-06 | 0.63636 | 786.30 | 7 |
| [1155] | {1648,3895,4398,5554} | => | {7111} | 1.14E-06 | 0.63636 | 786.30 | 7 |
| [1156] | {1630,3150,6670,8210} | => | {7111} | 1.14E-06 | 0.63636 | 786.30 | 7 |
| [1157] | {5874,6670,7145,8210} | => | {7111} | 1.14E-06 | 0.63636 | 786.30 | 7 |
| [1158] | {2406,6670,7122,8210} | => | {7111} | 1.14E-06 | 0.63636 | 786.30 | 7 |
| [1159] | {1647,6670,7149,8210} | => | {7111} | 1.14E-06 | 0.63636 | 786.30 | 7 |
| [1160] | {1304,3890,4750,8210} | => | {7111} | 1.14E-06 | 0.63636 | 786.30 | 7 |
| [1161] | {3868,3895,7119,8210} | => | {7111} | 1.14E-06 | 0.63636 | 786.30 | 7 |
| [1162] | {3868,3895,6672,8210} | => | {7111} | 2.29E-06 | 0.63636 | 786.30 | 14 |
| [1163] | {3895,4393,6672,8210} | => | {7111} | 1.14E-06 | 0.63636 | 786.30 | 7 |
| [1164] | {1630,3536,3895,8210} | => | {7111} | 1.14E-06 | 0.63636 | 786.30 | 7 |
| [1165] | {3171,3881,7119,8210} | => | {7111} | 1.14E-06 | 0.63636 | 786.30 | 7 |
| [1166] | {3890,5554,8210,8699} | => | {7111} | 1.14E-06 | 0.63636 | 786.30 | 7 |
| [1167] | {1647,3868,7119,8210} | => | {7111} | 1.14E-06 | 0.63636 | 786.30 | 7 |
| [1168] | {3868,7119,7122,8210} | => | {7111} | 1.14E-06 | 0.63636 | 786.30 | 7 |
| [1169] | {1647,6672,7119,8210} | => | {7111} | 1.14E-06 | 0.63636 | 786.30 | 7 |
| [1170] | {1304,3895,6670,7119} | => | {7111} | 1.14E-06 | 0.63636 | 786.30 | 7 |
| [1171] | {1304,3890,6670,8699} | => | {7111} | 1.14E-06 | 0.63636 | 786.30 | 7 |
| [1172] | {1304,1306,6670,7119} | => | {7111} | 1.14E-06 | 0.63636 | 786.30 | 7 |
| [1173] | {1306,3524,3895,6670} | => | {7111} | 1.14E-06 | 0.63636 | 786.30 | 7 |
| [1174] | {1306,3895,6670,7119} | => | {7111} | 1.14E-06 | 0.63636 | 786.30 | 7 |
| [1175] | {1306,1630,1646,6670} | => | {7111} | 1.14E-06 | 0.63636 | 786.30 | 7 |
| [1176] | {1306,6670,6672,7119} | => | {7111} | 1.14E-06 | 0.63636 | 786.30 | 7 |
| [1177] | {1630,6670,7119,8699} | => | {7111} | 1.14E-06 | 0.63636 | 786.30 | 7 |
| [1178] | {1304,3895,6672,7119} | => | {7111} | 1.14E-06 | 0.63636 | 786.30 | 7 |
| [1179] | {1630,1631,3177,3881} | => | {5220} | 1.64E-06 | 0.62500 | 783.18 | 10 |
| [1180] | {3163,3165,5230} | => | {4406} | 2.94E-06 | 0.47368 | 782.71 | 18 |
| [1181] | {3163,5230,7122} | => | {4406} | 1.47E-06 | 0.47368 | 782.71 | 9 |
| [1182] | {3152,3153,6356} | => | {3154} | 1.14E-06 | 0.29167 | 781.76 | 7 |
| [1183] | {3152,4374,4401} | => | {3154} | 1.14E-06 | 0.29167 | 781.76 | 7 |
| [1184] | {3152,3881,4393,4401} | => | {3154} | 1.14E-06 | 0.29167 | 781.76 | 7 |
| [1185] | {1630,3890,6672,8210} | => | {7111} | 5.07E-06 | 0.63265 | 781.72 | 31 |
| [1186] | {1622,2402,4029} | => | {7481} | 3.76E-06 | 0.42593 | 781.29 | 23 |
| [1187] | {1304,3148,5874} | => | {7111} | 1.96E-06 | 0.63158 | 780.39 | 12 |
| [1188] | {1306,1651,3148,7122} | => | {7111} | 1.96E-06 | 0.63158 | 780.39 | 12 |
| [1189] | {3890,3895,6670,7119} | => | {7111} | 1.96E-06 | 0.63158 | 780.39 | 12 |
| [1190] | {3890,3895,6672,6678} | => | {3892} | 2.13E-06 | 0.24528 | 779.43 | 13 |
| [1191] | {2402,3883,4035} | => | {7481} | 4.58E-06 | 0.42424 | 778.20 | 28 |
| [1192] | {3890,5554,6670,7119} | => | {7111} | 2.78E-06 | 0.62963 | 777.98 | 17 |
| [1193] | {1651,2714,5223,5874} | => | {5218} | 1.31E-06 | 0.80000 | 777.59 | 8 |
| [1194] | {1630,1651,2069,4752} | => | {5218} | 1.31E-06 | 0.80000 | 777.59 | 8 |
| [1195] | {3165,5230,6690} | => | {4406} | 1.31E-06 | 0.47059 | 777.59 | 8 |

| [1196] | {4799,5230,7131} | => | {4406} | 1.31E-06 | 0.47059 | 777.59 | 8 |
|---|---|---|---|---|---|---|---|
| [1197] | {2089,3890,8210} | => | {3892} | 1.80E-06 | 0.24444 | 776.76 | 11 |
| [1198] | {2716,3177,3895,7122} | => | {3892} | 1.64E-06 | 0.24390 | 775.04 | 10 |
| [1199] | {3881,4374,7138} | => | {4043} | 1.80E-06 | 0.64706 | 774.32 | 11 |
| [1200] | {3881,3890,3895,3903} | => | {3892} | 4.58E-06 | 0.24348 | 773.69 | 28 |
| [1201] | {3177,3881,3895,3903} | => | {3892} | 1.47E-06 | 0.24324 | 772.95 | 9 |
| [1202] | {2089,3890,3903,7122} | => | {3892} | 1.47E-06 | 0.24324 | 772.95 | 9 |
| [1203] | {1304,3890,6689,8210} | => | {3892} | 1.47E-06 | 0.24324 | 772.95 | 9 |
| [1204] | {3536,3866,4029} | => | {7481} | 1.31E-06 | 0.42105 | 772.35 | 8 |
| [1205] | {1653,2402,3152} | => | {7481} | 1.31E-06 | 0.42105 | 772.35 | 8 |
| [1206] | {2402,3883,4029,4035} | => | {7481} | 2.62E-06 | 0.42105 | 772.35 | 16 |
| [1207] | {2402,3152,3171,5874} | => | {7481} | 1.31E-06 | 0.42105 | 772.35 | 8 |
| [1208] | {3152,3171,3883,7794} | => | {7481} | 2.62E-06 | 0.42105 | 772.35 | 16 |
| [1209] | {3883,4031,4374,4733} | => | {7481} | 1.31E-06 | 0.42105 | 772.35 | 8 |
| [1210] | {1304,3148,7146} | => | {7111} | 1.64E-06 | 0.62500 | 772.26 | 10 |
| [1211] | {3148,7122,7146} | => | {7111} | 1.64E-06 | 0.62500 | 772.26 | 10 |
| [1212] | {1304,3148,3865,3881} | => | {7111} | 1.64E-06 | 0.62500 | 772.26 | 10 |
| [1213] | {3881,3895,7119,8210} | => | {7111} | 3.27E-06 | 0.62500 | 772.26 | 20 |
| [1214] | {3881,3890,7119,8210} | => | {7111} | 2.45E-06 | 0.62500 | 772.26 | 15 |
| [1215] | {1651,6672,7119,8210} | => | {7111} | 1.64E-06 | 0.62500 | 772.26 | 10 |
| [1216] | {1306,1630,6689,7119} | => | {7111} | 1.64E-06 | 0.62500 | 772.26 | 10 |
| [1217] | {1631,5874,6690} | => | {5220} | 1.31E-06 | 0.61538 | 771.13 | 8 |
| [1218] | {1306,1631,1651,3881} | => | {5220} | 1.31E-06 | 0.61538 | 771.13 | 8 |
| [1219] | {1622,1630,1631,1651} | => | {5220} | 1.31E-06 | 0.61538 | 771.13 | 8 |
| [1220] | {1631,1651,3881,8699} | => | {5220} | 1.31E-06 | 0.61538 | 771.13 | 8 |
| [1221] | {3165,4758,5230} | => | {4406} | 1.14E-06 | 0.46667 | 771.11 | 7 |
| [1222] | {1651,3152,4397,5874} | => | {3875} | 1.14E-06 | 0.21212 | 771.03 | 7 |
| [1223] | {4755,8210} | => | {6345} | 1.96E-06 | 0.33333 | 770.49 | 12 |
| [1224] | {3890,4393,7145} | => | {3892} | 1.31E-06 | 0.24242 | 770.34 | 8 |
| [1225] | {2716,3890,4033,7122} | => | {3892} | 1.31E-06 | 0.24242 | 770.34 | 8 |
| [1226] | {3152,4374,4733,7151} | => | {4397} | 1.47E-06 | 0.56250 | 770.05 | 9 |
| [1227] | {1646,4755} | => | {7139} | 1.14E-06 | 0.33333 | 769.33 | 7 |
| [1228] | {3153,3165,7122} | => | {7139} | 1.14E-06 | 0.33333 | 769.33 | 7 |
| [1229] | {3154,3165,7122} | => | {7139} | 1.47E-06 | 0.33333 | 769.33 | 9 |
| [1230] | {3881,4401,7138} | => | {4043} | 1.47E-06 | 0.64286 | 769.29 | 9 |
| [1231] | {4053,6680,7138} | => | {4043} | 1.47E-06 | 0.64286 | 769.29 | 9 |
| [1232] | {3890,3895,4020} | => | {3892} | 1.14E-06 | 0.24138 | 767.02 | 7 |
| [1233] | {2716,3890,6689} | => | {3892} | 2.29E-06 | 0.24138 | 767.02 | 14 |
| [1234] | {3869,3890,4374,7122} | => | {3892} | 1.14E-06 | 0.24138 | 767.02 | 7 |
| [1235] | {1630,3890,3895,4766} | => | {3892} | 1.14E-06 | 0.24138 | 767.02 | 7 |
| [1236] | {1306,3890,3895,4393} | => | {3892} | 1.14E-06 | 0.24138 | 767.02 | 7 |
| [1237] | {3890,3895,4799,6689} | => | {3892} | 1.14E-06 | 0.24138 | 767.02 | 7 |
| [1238] | {1630,3177,3895,7797} | => | {3892} | 1.14E-06 | 0.24138 | 767.02 | 7 |

| [1239] | {2716,3881,3895,4756} | => | {3892} | 1.14E-06 | 0.24138 | 767.02 | 7 |
|---|---|---|---|---|---|---|---|
| [1240] | {1651,3153,7122} | => | {3154} | 1.31E-06 | 0.28571 | 765.81 | 8 |
| [1241] | {1632,1647,3881} | => | {5220} | 1.80E-06 | 0.61111 | 765.78 | 11 |
| [1242] | {1631,5223,5552} | => | {5220} | 1.80E-06 | 0.61111 | 765.78 | 11 |
| [1243] | {1631,4752,7794} | => | {5220} | 1.80E-06 | 0.61111 | 765.78 | 11 |
| [1244] | {1306,1631,1651} | => | {5220} | 1.80E-06 | 0.61111 | 765.78 | 11 |
| [1245] | {1630,1631,5223,5874} | => | {5220} | 1.80E-06 | 0.61111 | 765.78 | 11 |
| [1246] | {1630,3148,3865,7122} | => | {7111} | 2.13E-06 | 0.61905 | 764.91 | 13 |
| [1247] | {3890,6672,7122,8210} | => | {7111} | 2.13E-06 | 0.61905 | 764.91 | 13 |
| [1248] | {1630,3868,7119,8210} | => | {7111} | 2.13E-06 | 0.61905 | 764.91 | 13 |
| [1249] | {2402,3883,4031,4388} | => | {7481} | 1.64E-06 | 0.41667 | 764.31 | 10 |
| [1250] | {3152,3883,7151,7794} | => | {7481} | 1.64E-06 | 0.41667 | 764.31 | 10 |
| [1251] | {3536,3883,4374,4388} | => | {7481} | 1.64E-06 | 0.41667 | 764.31 | 10 |
| [1252] | {3536,3883,4029,4374} | => | {7481} | 1.64E-06 | 0.41667 | 764.31 | 10 |
| [1253] | {5554,6670,6672,8210} | => | {7111} | 3.43E-06 | 0.61765 | 763.18 | 21 |
| [1254] | {1304,1630,6670,7119} | => | {7111} | 3.43E-06 | 0.61765 | 763.18 | 21 |
| [1255] | {3163,3165,5230,7131} | => | {4406} | 1.96E-06 | 0.46154 | 762.64 | 12 |
| [1256] | {3890,3895,7145} | => | {3892} | 3.93E-06 | 0.24000 | 762.64 | 24 |
| [1257] | {2716,3895,6689} | => | {3892} | 1.96E-06 | 0.24000 | 762.64 | 12 |
| [1258] | {1647,3890,3895,3903} | => | {3892} | 1.96E-06 | 0.24000 | 762.64 | 12 |
| [1259] | {3878,7138} | => | {4043} | 1.14E-06 | 0.63636 | 761.52 | 7 |
| [1260] | {5878,7138} | => | {4043} | 1.14E-06 | 0.63636 | 761.52 | 7 |
| [1261] | {1645,6680,7138} | => | {4043} | 1.14E-06 | 0.63636 | 761.52 | 7 |
| [1262] | {1622,1651,7138} | => | {4043} | 1.14E-06 | 0.63636 | 761.52 | 7 |
| [1263] | {1630,3148,6670} | => | {7111} | 1.31E-06 | 0.61538 | 760.38 | 8 |
| [1264] | {3148,3881,7151} | => | {7111} | 1.31E-06 | 0.61538 | 760.38 | 8 |
| [1265] | {1304,3148,3881,4374} | => | {7111} | 1.31E-06 | 0.61538 | 760.38 | 8 |
| [1266] | {1304,3148,6672,7122} | => | {7111} | 1.31E-06 | 0.61538 | 760.38 | 8 |
| [1267] | {1630,3148,3868,3881} | => | {7111} | 1.31E-06 | 0.61538 | 760.38 | 8 |
| [1268] | {3148,3881,7122,7151} | => | {7111} | 1.31E-06 | 0.61538 | 760.38 | 8 |
| [1269] | {3148,3881,7122,7149} | => | {7111} | 1.31E-06 | 0.61538 | 760.38 | 8 |
| [1270] | {1630,3887,6670,6672} | => | {7111} | 1.31E-06 | 0.61538 | 760.38 | 8 |
| [1271] | {3524,3895,6670,8210} | => | {7111} | 1.31E-06 | 0.61538 | 760.38 | 8 |
| [1272] | {3171,3895,6670,8210} | => | {7111} | 1.31E-06 | 0.61538 | 760.38 | 8 |
| [1273] | {1304,6672,7119,8210} | => | {7111} | 1.31E-06 | 0.61538 | 760.38 | 8 |
| [1274] | {1306,3895,6672,8210} | => | {7111} | 1.31E-06 | 0.61538 | 760.38 | 8 |
| [1275] | {3865,3890,7119,8210} | => | {7111} | 1.31E-06 | 0.61538 | 760.38 | 8 |
| [1276] | {1648,3890,6672,8210} | => | {7111} | 1.31E-06 | 0.61538 | 760.38 | 8 |
| [1277] | {3881,3890,4750,8699} | => | {7111} | 1.31E-06 | 0.61538 | 760.38 | 8 |
| [1278] | {1304,3148,3881} | => | {7111} | 4.42E-06 | 0.61364 | 758.22 | 27 |
| [1279] | {2402,3536,3883,4029} | => | {7481} | 3.11E-06 | 0.41304 | 757.66 | 19 |
| [1280] | {2402,3883,4035,7794} | => | {7481} | 3.11E-06 | 0.41304 | 757.66 | 19 |
| [1281] | {1630,6670,6672,8210} | => | {7111} | 6.22E-06 | 0.61290 | 757.31 | 38 |

| [1282] | {2716,3184,3895} | => | {3892} | 1.64E-06 | 0.23810 | 756.59 | 10 |
| [1283] | {3152,3883,7792} | => | {7481} | 1.14E-06 | 0.41176 | 755.31 | 7 |
| [1284] | {1308,3883,7791,7794} | => | {7481} | 1.14E-06 | 0.41176 | 755.31 | 7 |
| [1285] | {3171,4047,5895,7794} | => | {7481} | 1.14E-06 | 0.41176 | 755.31 | 7 |
| [1286] | {3152,3167,3171,3883} | => | {7481} | 1.14E-06 | 0.41176 | 755.31 | 7 |
| [1287] | {3167,3171,3883,7151} | => | {7481} | 1.14E-06 | 0.41176 | 755.31 | 7 |
| [1288] | {1651,3883,4029,4047} | => | {7481} | 1.14E-06 | 0.41176 | 755.31 | 7 |
| [1289] | {3171,3883,4374,7794} | => | {7481} | 1.14E-06 | 0.41176 | 755.31 | 7 |
| [1290] | {3171,3883,4031,7151} | => | {7481} | 1.14E-06 | 0.41176 | 755.31 | 7 |
| [1291] | {1304,3148,6672} | => | {7111} | 1.80E-06 | 0.61111 | 755.10 | 11 |
| [1292] | {3148,7122,7149} | => | {7111} | 1.80E-06 | 0.61111 | 755.10 | 11 |
| [1293] | {3150,3881,6670,8210} | => | {7111} | 1.80E-06 | 0.61111 | 755.10 | 11 |
| [1294] | {1651,6670,7119,8210} | => | {7111} | 1.80E-06 | 0.61111 | 755.10 | 11 |
| [1295] | {6670,6672,7119,8210} | => | {7111} | 1.80E-06 | 0.61111 | 755.10 | 11 |
| [1296] | {3517,3895,6689,8210} | => | {7111} | 1.80E-06 | 0.61111 | 755.10 | 11 |
| [1297] | {1651,6689,7119,8210} | => | {7111} | 1.80E-06 | 0.61111 | 755.10 | 11 |
| [1298] | {3868,3890,6670,7119} | => | {7111} | 1.80E-06 | 0.61111 | 755.10 | 11 |
| [1299] | {1651,3153,6356} | => | {3154} | 2.94E-06 | 0.28125 | 753.84 | 18 |
| [1300] | {3152,3881,4401} | => | {3154} | 2.94E-06 | 0.28125 | 753.84 | 18 |
| [1301] | {2716,3890,3895,7122} | => | {3892} | 5.23E-06 | 0.23704 | 753.23 | 32 |
| [1302] | {1304,3167,4374,4750} | => | {4397} | 1.80E-06 | 0.55000 | 752.94 | 11 |
| [1303] | {3152,4374,4750,5874} | => | {4397} | 1.80E-06 | 0.55000 | 752.94 | 11 |
| [1304] | {3890,3895,7122,7145} | => | {3892} | 1.47E-06 | 0.23684 | 752.61 | 9 |
| [1305] | {1630,3148,3865} | => | {7111} | 2.29E-06 | 0.60870 | 752.12 | 14 |
| [1306] | {1631,3881,4745} | => | {5220} | 1.47E-06 | 0.60000 | 751.86 | 9 |
| [1307] | {1631,4752,6672} | => | {5220} | 1.47E-06 | 0.60000 | 751.86 | 9 |
| [1308] | {1631,3881,4766} | => | {5220} | 2.45E-06 | 0.60000 | 751.86 | 15 |
| [1309] | {1630,1631,4752,5223} | => | {5220} | 1.47E-06 | 0.60000 | 751.86 | 9 |
| [1310] | {1630,1631,5223,5232} | => | {5220} | 1.96E-06 | 0.60000 | 751.86 | 12 |
| [1311] | {1631,3881,5223,6678} | => | {5220} | 1.96E-06 | 0.60000 | 751.86 | 12 |
| [1312] | {1631,3881,7122,7149} | => | {5220} | 1.47E-06 | 0.60000 | 751.86 | 9 |
| [1313] | {2068,3881,6346} | => | {6345} | 2.13E-06 | 0.32500 | 751.23 | 13 |
| [1314] | {1651,3177,3890,3895} | => | {3892} | 2.13E-06 | 0.23636 | 751.09 | 13 |
| [1315] | {2068,4733,6345} | => | {6346} | 1.14E-06 | 0.46667 | 750.82 | 7 |
| [1316] | {1651,3147} | => | {3154} | 1.14E-06 | 0.28000 | 750.49 | 7 |
| [1317] | {3152,3153,3881} | => | {3154} | 1.14E-06 | 0.28000 | 750.49 | 7 |
| [1318] | {2402,2404,4029} | => | {7481} | 1.47E-06 | 0.40909 | 750.41 | 9 |
| [1319] | {2402,3171,3883,7794} | => | {7481} | 2.94E-06 | 0.40909 | 750.41 | 18 |
| [1320] | {3167,3883,4029,4733} | => | {7481} | 1.47E-06 | 0.40909 | 750.41 | 9 |
| [1321] | {3171,3883,4029,7151} | => | {7481} | 1.47E-06 | 0.40909 | 750.41 | 9 |
| [1322] | {3883,4029,4035,6672} | => | {7481} | 1.47E-06 | 0.40909 | 750.41 | 9 |
| [1323] | {1630,6689,7119,8210} | => | {7111} | 3.27E-06 | 0.60606 | 748.86 | 20 |
| [1324] | {3895,7119,8210} | => | {7111} | 3.76E-06 | 0.60526 | 747.87 | 23 |

| [1325] | {1651,6670,6672,8210} | => | {7111} | 3.76E-06 | 0.60526 | 747.87 | 23 |
|--------|------------------------|-----|--------|----------|---------|--------|-----|
| [1326] | {2068,6670,6672} | => | {2076} | 1.47E-06 | 0.42857 | 747.78 | 9 |
| [1327] | {2716,3184,3881,3890} | => | {3892} | 1.31E-06 | 0.23529 | 747.69 | 8 |
| [1328] | {3890,3895,4033,4393} | => | {3892} | 1.31E-06 | 0.23529 | 747.69 | 8 |
| [1329] | {1645,2716,3895,7122} | => | {3892} | 1.31E-06 | 0.23529 | 747.69 | 8 |
| [1330] | {1630,3517,3890,7797} | => | {3892} | 1.31E-06 | 0.23529 | 747.69 | 8 |
| [1331] | {2402,3883,6672} | => | {7481} | 1.80E-06 | 0.40741 | 747.32 | 11 |
| [1332] | {2402,3171,3883,4029} | => | {7481} | 1.80E-06 | 0.40741 | 747.32 | 11 |
| [1333] | {1304,3148,7122} | => | {7111} | 5.23E-06 | 0.60377 | 746.03 | 32 |
| [1334] | {3881,3890,3895,7114} | => | {3892} | 2.45E-06 | 0.23438 | 744.77 | 15 |
| [1335] | {2716,3881,3895,6672} | => | {3892} | 2.45E-06 | 0.23438 | 744.77 | 15 |
| [1336] | {4388,7138} | => | {7139} | 1.64E-06 | 0.32258 | 744.51 | 10 |
| [1337] | {3890,3895,6689,7149} | => | {3892} | 1.80E-06 | 0.23404 | 743.71 | 11 |
| [1338] | {2402,3883,4029,4388} | => | {7481} | 2.45E-06 | 0.40541 | 743.65 | 15 |
| [1339] | {3881,3890,3895,5552} | => | {3892} | 2.94E-06 | 0.23377 | 742.83 | 18 |
| [1340] | {1644,4755} | => | {7139} | 1.47E-06 | 0.32143 | 741.85 | 9 |
| [1341] | {3883,4374,4733,7794} | => | {7481} | 3.11E-06 | 0.40426 | 741.54 | 19 |
| [1342] | {3865,3890,5552,5874} | => | {3892} | 1.14E-06 | 0.23333 | 741.46 | 7 |
| [1343] | {3868,3890,3895,7145} | => | {3892} | 1.14E-06 | 0.23333 | 741.46 | 7 |
| [1344] | {3890,3895,3903,6670} | => | {3892} | 1.14E-06 | 0.23333 | 741.46 | 7 |
| [1345] | {3890,6672,6689,8210} | => | {3892} | 1.14E-06 | 0.23333 | 741.46 | 7 |
| [1346] | {1630,3890,3895,6668} | => | {3892} | 1.14E-06 | 0.23333 | 741.46 | 7 |
| [1347] | {3890,4393,6672,7149} | => | {3892} | 1.14E-06 | 0.23333 | 741.46 | 7 |
| [1348] | {1630,3148,3868} | => | {7111} | 1.47E-06 | 0.60000 | 741.37 | 9 |
| [1349] | {3148,3868,3881,7122} | => | {7111} | 1.47E-06 | 0.60000 | 741.37 | 9 |
| [1350] | {1304,1306,3872,7122} | => | {7111} | 1.47E-06 | 0.60000 | 741.37 | 9 |
| [1351] | {3160,3890,6670,8210} | => | {7111} | 1.96E-06 | 0.60000 | 741.37 | 12 |
| [1352] | {3881,6670,7119,8210} | => | {7111} | 3.93E-06 | 0.60000 | 741.37 | 24 |
| [1353] | {3177,6670,6672,8210} | => | {7111} | 1.96E-06 | 0.60000 | 741.37 | 12 |
| [1354] | {6670,6672,7148,8210} | => | {7111} | 1.47E-06 | 0.60000 | 741.37 | 9 |
| [1355] | {1304,1647,3895,8210} | => | {7111} | 1.47E-06 | 0.60000 | 741.37 | 9 |
| [1356] | {3890,3895,8210,8699} | => | {7111} | 1.47E-06 | 0.60000 | 741.37 | 9 |
| [1357] | {5554,6672,7119,8210} | => | {7111} | 1.47E-06 | 0.60000 | 741.37 | 9 |
| [1358] | {1647,5554,7119,8210} | => | {7111} | 1.47E-06 | 0.60000 | 741.37 | 9 |
| [1359] | {1304,3895,6670,6672} | => | {7111} | 3.43E-06 | 0.60000 | 741.37 | 21 |
| [1360] | {1630,3895,6670,7119} | => | {7111} | 4.42E-06 | 0.60000 | 741.37 | 27 |
| [1361] | {3890,4733,6670,7119} | => | {7111} | 1.47E-06 | 0.60000 | 741.37 | 9 |
| [1362] | {1304,3890,7122,8699} | => | {7111} | 1.47E-06 | 0.60000 | 741.37 | 9 |
| [1363] | {1304,1630,6689,7119} | => | {7111} | 2.45E-06 | 0.60000 | 741.37 | 15 |
| [1364] | {1631,1651,4769} | => | {5220} | 2.13E-06 | 0.59091 | 740.46 | 13 |
| [1365] | {1630,3895,6672,8210} | => | {7111} | 6.05E-06 | 0.59677 | 737.39 | 37 |
| [1366] | {3152,3875,5874} | => | {4397} | 1.14E-06 | 0.53846 | 737.14 | 7 |
| [1367] | {3171,3875,4374,5874} | => | {4397} | 1.14E-06 | 0.53846 | 737.14 | 7 |

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| [1368] | {3171,4374,4733,7481} | => | {4397} | 1.14E-06 | 0.53846 | 737.14 | 7 |
|---|---|---|---|---|---|---|---|
| [1369] | {2390,3160,3168,4374} | => | {4397} | 1.14E-06 | 0.53846 | 737.14 | 7 |
| [1370] | {3152,3171,4763,5874} | => | {4397} | 1.14E-06 | 0.53846 | 737.14 | 7 |
| [1371] | {3868,4374,4752,4799} | => | {4397} | 1.14E-06 | 0.53846 | 737.14 | 7 |
| [1372] | {3160,3186,4374,4738} | => | {4397} | 1.14E-06 | 0.53846 | 737.14 | 7 |
| [1373] | {1630,2406,4374,4738} | => | {4397} | 1.14E-06 | 0.53846 | 737.14 | 7 |
| [1374] | {3167,4374,4750,6670} | => | {4397} | 1.14E-06 | 0.53846 | 737.14 | 7 |
| [1375] | {3167,3171,3186,4374} | => | {4397} | 1.14E-06 | 0.53846 | 737.14 | 7 |
| [1376] | {3152,4374,4733,4799} | => | {4397} | 1.14E-06 | 0.53846 | 737.14 | 7 |
| [1377] | {1304,1631,1645} | => | {5220} | 1.64E-06 | 0.58824 | 737.11 | 10 |
| [1378] | {1631,1647,4735} | => | {5220} | 1.64E-06 | 0.58824 | 737.11 | 10 |
| [1379] | {3881,3890,6689,8210} | => | {3892} | 2.62E-06 | 0.23188 | 736.85 | 16 |
| [1380] | {3526,7800} | => | {3501} | 1.14E-06 | 0.25926 | 736.56 | 7 |
| [1381] | {4374,7138} | => | {4043} | 2.62E-06 | 0.61538 | 736.42 | 16 |
| [1382] | {1651,4752,6346} | => | {6345} | 1.14E-06 | 0.31818 | 735.47 | 7 |
| [1383] | {4753,4776,7791} | => | {4771} | 2.29E-06 | 0.48276 | 734.75 | 14 |
| [1384] | {2068,2069,5218} | => | {2076} | 1.31E-06 | 0.42105 | 734.66 | 8 |
| [1385] | {1630,1631,4769} | => | {5220} | 2.78E-06 | 0.58621 | 734.57 | 17 |
| [1386] | {3163,5230,6690} | => | {4406} | 2.62E-06 | 0.44444 | 734.40 | 16 |
| [1387] | {1630,4374,5230} | => | {4406} | 1.31E-06 | 0.44444 | 734.40 | 8 |
| [1388] | {3881,4374,5230} | => | {4406} | 1.96E-06 | 0.44444 | 734.40 | 12 |
| [1389] | {3165,3881,5230,7131} | => | {4406} | 1.31E-06 | 0.44444 | 734.40 | 8 |
| [1390] | {3883,4047,4374} | => | {7481} | 2.94E-06 | 0.40000 | 733.73 | 18 |
| [1391] | {1622,3152,3883} | => | {7481} | 1.31E-06 | 0.40000 | 733.73 | 8 |
| [1392] | {2402,3152,3883,4029} | => | {7481} | 1.31E-06 | 0.40000 | 733.73 | 8 |
| [1393] | {2402,3883,7151,7794} | => | {7481} | 2.94E-06 | 0.40000 | 733.73 | 18 |
| [1394] | {2402,3883,4031,4035} | => | {7481} | 1.64E-06 | 0.40000 | 733.73 | 10 |
| [1395] | {1622,2402,4029,4031} | => | {7481} | 1.64E-06 | 0.40000 | 733.73 | 10 |
| [1396] | {3883,4031,4035,4374} | => | {7481} | 1.64E-06 | 0.40000 | 733.73 | 10 |
| [1397] | {3536,3883,4035,7791} | => | {7481} | 1.64E-06 | 0.40000 | 733.73 | 10 |
| [1398] | {3895,7797,8210} | => | {3892} | 1.96E-06 | 0.23077 | 733.31 | 12 |
| [1399] | {3890,3895,6670,7149} | => | {3892} | 1.96E-06 | 0.23077 | 733.31 | 12 |
| [1400] | {1306,1651,3890,3895} | => | {3892} | 1.47E-06 | 0.23077 | 733.31 | 9 |
| [1401] | {3895,6672,7122,8210} | => | {7111} | 2.62E-06 | 0.59259 | 732.22 | 16 |
| [1402] | {1304,1631,7794} | => | {5220} | 1.14E-06 | 0.58333 | 730.97 | 7 |
| [1403] | {1631,3515,6678} | => | {5220} | 1.14E-06 | 0.58333 | 730.97 | 7 |
| [1404] | {1631,6690,7794} | => | {5220} | 1.14E-06 | 0.58333 | 730.97 | 7 |
| [1405] | {1630,1631,1651,4752} | => | {5220} | 1.14E-06 | 0.58333 | 730.97 | 7 |
| [1406] | {1304,1630,1631,7122} | => | {5220} | 1.14E-06 | 0.58333 | 730.97 | 7 |
| [1407] | {1631,2388,3881,5223} | => | {5220} | 1.14E-06 | 0.58333 | 730.97 | 7 |
| [1408] | {1630,1631,6672,7122} | => | {5220} | 1.14E-06 | 0.58333 | 730.97 | 7 |
| [1409] | {1622,1630,1631,7794} | => | {5220} | 1.14E-06 | 0.58333 | 730.97 | 7 |
| [1410] | {3517,3895,6670,8210} | => | {7111} | 2.13E-06 | 0.59091 | 730.14 | 13 |

| [1411] | {1630,3890,7119,8210} | => | {7111} | 2.13E-06 | 0.59091 | 730.14 | 13 |
| [1412] | {3895,5554,6670,7119} | => | {7111} | 2.13E-06 | 0.59091 | 730.14 | 13 |
| [1413] | {1304,2406,4374,4738} | => | {4397} | 1.31E-06 | 0.53333 | 730.12 | 8 |
| [1414] | {1304,3152,3186,4374} | => | {4397} | 1.31E-06 | 0.53333 | 730.12 | 8 |
| [1415] | {3881,4053,7138} | => | {4043} | 2.29E-06 | 0.60870 | 728.41 | 14 |
| [1416] | {2716,3895,6672,7122} | => | {3892} | 1.80E-06 | 0.22917 | 728.22 | 11 |
| [1417] | {1631,3881,5223,7794} | => | {5220} | 2.94E-06 | 0.58065 | 727.60 | 18 |
| [1418] | {1645,3881,5230} | => | {4406} | 1.80E-06 | 0.44000 | 727.05 | 11 |
| [1419] | {3148,3868,7122} | => | {7111} | 1.64E-06 | 0.58824 | 726.83 | 10 |
| [1420] | {3148,3881,6689} | => | {7111} | 1.64E-06 | 0.58824 | 726.83 | 10 |
| [1421] | {1630,1651,3148} | => | {7111} | 1.64E-06 | 0.58824 | 726.83 | 10 |
| [1422] | {1304,3524,6672,6689} | => | {7111} | 1.64E-06 | 0.58824 | 726.83 | 10 |
| [1423] | {3881,6678,7138} | => | {4043} | 2.78E-06 | 0.60714 | 726.56 | 17 |
| [1424] | {1306,1651,3895,6670} | => | {3892} | 1.31E-06 | 0.22857 | 726.32 | 8 |
| [1425] | {2716,3868,3890,3895} | => | {3892} | 1.31E-06 | 0.22857 | 726.32 | 8 |
| [1426] | {3177,3890,3895,6689} | => | {3892} | 1.31E-06 | 0.22857 | 726.32 | 8 |
| [1427] | {3890,3895,5884,6689} | => | {3892} | 1.31E-06 | 0.22857 | 726.32 | 8 |
| [1428] | {1630,3895,5874,7797} | => | {3892} | 1.31E-06 | 0.22857 | 726.32 | 8 |
| [1429] | {1630,3177,3895,4374} | => | {3892} | 1.31E-06 | 0.22857 | 726.32 | 8 |
| [1430] | {2716,3865,3895,6672} | => | {3892} | 1.31E-06 | 0.22857 | 726.32 | 8 |
| [1431] | {2089,3895,6672,7122} | => | {3892} | 1.31E-06 | 0.22857 | 726.32 | 8 |
| [1432] | {1645,2716,3890,7122} | => | {3892} | 1.31E-06 | 0.22857 | 726.32 | 8 |
| [1433] | {1636,3881,8699} | => | {1635} | 2.45E-06 | 0.21739 | 725.49 | 15 |
| [1434] | {1651,3875,4374,5874} | => | {4397} | 1.47E-06 | 0.52941 | 724.75 | 9 |
| [1435] | {1651,6670,6689,7119} | => | {7111} | 2.78E-06 | 0.58621 | 724.33 | 17 |
| [1436] | {3881,3890,3895,8210} | => | {3892} | 5.07E-06 | 0.22794 | 724.32 | 31 |
| [1437] | {1304,3865,5219,5554} | => | {4761} | 1.14E-06 | 0.25926 | 723.45 | 7 |
| [1438] | {1304,1631,3881,5223} | => | {5220} | 2.45E-06 | 0.57692 | 722.94 | 15 |
| [1439] | {1630,1631,3881,6672} | => | {5220} | 2.45E-06 | 0.57692 | 722.94 | 15 |
| [1440] | {3163,4758,5230} | => | {4406} | 1.14E-06 | 0.43750 | 722.92 | 7 |
| [1441] | {1630,2089,5230} | => | {4406} | 1.14E-06 | 0.43750 | 722.92 | 7 |
| [1442] | {3163,3165,3865,7131} | => | {4406} | 1.14E-06 | 0.43750 | 722.92 | 7 |
| [1443] | {2716,3895,4756} | => | {3892} | 1.64E-06 | 0.22727 | 722.20 | 10 |
| [1444] | {2402,3883,7151} | => | {7481} | 3.93E-06 | 0.39344 | 721.71 | 24 |
| [1445] | {3152,3160,4374,7199} | => | {3154} | 1.14E-06 | 0.26923 | 721.63 | 7 |
| [1446] | {1631,5223,6678} | => | {5220} | 3.11E-06 | 0.57576 | 721.48 | 19 |
| [1447] | {1304,3148,3881,5874} | => | {7111} | 1.14E-06 | 0.58333 | 720.78 | 7 |
| [1448] | {3148,3881,4733,7122} | => | {7111} | 1.14E-06 | 0.58333 | 720.78 | 7 |
| [1449] | {1630,3890,5554,6687} | => | {7111} | 1.14E-06 | 0.58333 | 720.78 | 7 |
| [1450] | {3881,3890,5554,6687} | => | {7111} | 1.14E-06 | 0.58333 | 720.78 | 7 |
| [1451] | {1630,4398,6672,8210} | => | {7111} | 1.14E-06 | 0.58333 | 720.78 | 7 |
| [1452] | {1304,3890,4738,7122} | => | {7111} | 1.14E-06 | 0.58333 | 720.78 | 7 |
| [1453] | {3890,4738,5554,6689} | => | {7111} | 1.14E-06 | 0.58333 | 720.78 | 7 |

| [1454] | {2388,3903,6689,8210} | => | {7111} | 1.14E-06 | 0.58333 | 720.78 | 7 |
|---|---|---|---|---|---|---|---|
| [1455] | {3524,6670,6672,8210} | => | {7111} | 1.14E-06 | 0.58333 | 720.78 | 7 |
| [1456] | {3165,6670,6689,8210} | => | {7111} | 1.14E-06 | 0.58333 | 720.78 | 7 |
| [1457] | {3890,6670,8210,8699} | => | {7111} | 1.14E-06 | 0.58333 | 720.78 | 7 |
| [1458] | {2406,5874,6670,8210} | => | {7111} | 1.14E-06 | 0.58333 | 720.78 | 7 |
| [1459] | {6670,6672,8210,8699} | => | {7111} | 1.14E-06 | 0.58333 | 720.78 | 7 |
| [1460] | {1304,3177,3895,8210} | => | {7111} | 1.14E-06 | 0.58333 | 720.78 | 7 |
| [1461] | {1304,3517,3895,8210} | => | {7111} | 1.14E-06 | 0.58333 | 720.78 | 7 |
| [1462] | {1304,1647,3890,8210} | => | {7111} | 1.14E-06 | 0.58333 | 720.78 | 7 |
| [1463] | {1651,3895,8210,8699} | => | {7111} | 1.14E-06 | 0.58333 | 720.78 | 7 |
| [1464] | {1651,3165,6689,8210} | => | {7111} | 1.14E-06 | 0.58333 | 720.78 | 7 |
| [1465] | {3890,4733,5554,8210} | => | {7111} | 1.14E-06 | 0.58333 | 720.78 | 7 |
| [1466] | {3890,4393,6672,8210} | => | {7111} | 1.14E-06 | 0.58333 | 720.78 | 7 |
| [1467] | {1630,2406,7119,8210} | => | {7111} | 1.14E-06 | 0.58333 | 720.78 | 7 |
| [1468] | {1630,7119,7149,8210} | => | {7111} | 1.14E-06 | 0.58333 | 720.78 | 7 |
| [1469] | {1304,3524,6670,6689} | => | {7111} | 1.14E-06 | 0.58333 | 720.78 | 7 |
| [1470] | {3184,5554,6670,7119} | => | {7111} | 1.14E-06 | 0.58333 | 720.78 | 7 |
| [1471] | {3536,3868,3895,6670} | => | {7111} | 1.14E-06 | 0.58333 | 720.78 | 7 |
| [1472] | {3177,3890,4750,6670} | => | {7111} | 1.14E-06 | 0.58333 | 720.78 | 7 |
| [1473] | {1630,3536,6670,7119} | => | {7111} | 1.14E-06 | 0.58333 | 720.78 | 7 |
| [1474] | {1304,3177,3895,6672} | => | {7111} | 1.14E-06 | 0.58333 | 720.78 | 7 |
| [1475] | {1304,1306,3890,6689} | => | {7111} | 1.14E-06 | 0.58333 | 720.78 | 7 |
| [1476] | {1304,3890,6672,8699} | => | {7111} | 1.14E-06 | 0.58333 | 720.78 | 7 |
| [1477] | {3895,4374,5554,7119} | => | {7111} | 1.14E-06 | 0.58333 | 720.78 | 7 |
| [1478] | {1306,3895,5554,7119} | => | {7111} | 1.14E-06 | 0.58333 | 720.78 | 7 |
| [1479] | {2402,2404,4031} | => | {7481} | 1.80E-06 | 0.39286 | 720.63 | 11 |
| [1480] | {3536,3866,3883} | => | {7481} | 1.80E-06 | 0.39286 | 720.63 | 11 |
| [1481] | {3536,3883,4029,7151} | => | {7481} | 1.80E-06 | 0.39286 | 720.63 | 11 |
| [1482] | {3167,4374,4750,5874} | => | {4397} | 1.64E-06 | 0.52632 | 720.51 | 10 |
| [1483] | {3890,3895,7122,8210} | => | {3892} | 1.96E-06 | 0.22642 | 719.47 | 12 |
| [1484] | {3890,3895,6672,7794} | => | {3892} | 1.96E-06 | 0.22642 | 719.47 | 12 |
| [1485] | {3890,3895,7114} | => | {3892} | 3.11E-06 | 0.22619 | 718.76 | 19 |
| [1486] | {2068,3890,5874} | => | {2076} | 1.14E-06 | 0.41176 | 718.45 | 7 |
| [1487] | {3165,5230,7122} | => | {4406} | 1.64E-06 | 0.43478 | 718.43 | 10 |
| [1488] | {1651,3163,5230} | => | {4406} | 1.64E-06 | 0.43478 | 718.43 | 10 |
| [1489] | {2406,3163,7129} | => | {4406} | 1.64E-06 | 0.43478 | 718.43 | 10 |
| [1490] | {4393,7138} | => | {4043} | 1.96E-06 | 0.60000 | 718.01 | 12 |
| [1491] | {1622,3881,7138} | => | {4043} | 1.96E-06 | 0.60000 | 718.01 | 12 |
| [1492] | {1308,3883,7791} | => | {7481} | 1.47E-06 | 0.39130 | 717.78 | 9 |
| [1493] | {3903,5556} | => | {3892} | 1.14E-06 | 0.22581 | 717.54 | 7 |
| [1494] | {3895,3903,7111} | => | {3892} | 1.14E-06 | 0.22581 | 717.54 | 7 |
| [1495] | {3895,7199,8210} | => | {3892} | 1.14E-06 | 0.22581 | 717.54 | 7 |
| [1496] | {3865,3895,7797,8210} | => | {3892} | 1.14E-06 | 0.22581 | 717.54 | 7 |

| [1497] | {1651,3890,6689,8210} | => | {7111} | 2.94E-06 | 0.58065 | 717.46 | 18 |
| [1498] | {4753,4776,5880} | => | {4771} | 1.31E-06 | 0.47059 | 716.23 | 8 |
| [1499] | {1304,1631,5232} | => | {5220} | 1.31E-06 | 0.57143 | 716.05 | 8 |
| [1500] | {1631,4769,5232} | => | {5220} | 1.31E-06 | 0.57143 | 716.05 | 8 |