

Time Series Research Assignment

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Abstract

Abstract to be written here.

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1. Introduction

- What did I do? This paper is a replication and critical evaluation of the research paper by
1.
- why did I do this?

2. Literature Review

2.1. *What did the Authors do?*

2.2. *Motivation*

- Importance
- Methods
- Novel Contribution(s)

2.3. *Critical Evaluation*

- Robustness checks/extensions

3. Replication

4. Importing and Cleaning the Data

4.1. *Importing the full dataset:*

```
full_df <- fetch_full()
full_df
```

```
## # A tibble: 129 x 20
##   obs    LREERS    RIRR LRGDPPCR OPENY  FBYA NFAOFPY LPR2COMM5 LPRCOMM5
##   <chr>   <dbl>   <dbl>   <dbl> <dbl> <dbl>   <dbl>   <dbl>   <dbl>
## 1 1970Q1   4.59 -0.541    0.670 44.8 -5.62    7.41   -0.734   -0.851
## 2 1970Q2   4.58 -0.0509    0.663 46.1 -1.94    6.92   -0.729   -0.849
## 3 1970Q3   4.59 -0.707    0.632 47.9 -1.55    6.29   -0.747   -0.875
## 4 1970Q4   4.59  0.906    0.637 46.8 -3.49    5.12   -0.703   -0.846
## 5 1971Q1   4.59  1.54     0.675 47.5 -6.51    4.40   -0.690   -0.825
## 6 1971Q2   4.60  0.628    0.651 47.3 -4.91    3.86   -0.659   -0.792
## 7 1971Q3   4.59  1.09     0.643 46.9 -5.09    3.11   -0.675   -0.795
## 8 1971Q4   4.56  0.301    0.624 47.4 -7.57    2.87   -0.653   -0.749
## 9 1972Q1   4.49  0.117    0.625 45.7 -4.69    3.33   -0.591   -0.665
## 10 1972Q2  4.50 -0.0238    0.617 47.4 -8.77    4.63   -0.407   -0.481
## # ... with 119 more rows, and 11 more variables: LPR2COMM3 <dbl>,
## #   LPRCOMM3 <dbl>, LPR2GOLD <dbl>, LPRGOLD <dbl>, SDUMC1 <dbl>, SDUMC2 <dbl>,
## #   SDUMC3 <dbl>, DUMRER1 <dbl>, DUMRER2 <dbl>, DUMFBYA <dbl>, DUMNFAOFPY <dbl>
```

4.2. Wrangling the dataset

```
full_df <- full_clean(full_df)
full_df
```

```
## # A tibble: 129 x 20
##   date      LREERS    RIRR LRGDPPCR OPENY  FBYA NFAOFPY LPR2COMM5 LPRCOMM5
##   <date>    <dbl>   <dbl>   <dbl> <dbl> <dbl>   <dbl>   <dbl>   <dbl>
## 1 1970-03-31  4.59 -0.541    0.670 44.8 -5.62    7.41   -0.734   -0.851
## 2 1970-06-30  4.58 -0.0509    0.663 46.1 -1.94    6.92   -0.729   -0.849
## 3 1970-09-30  4.59 -0.707    0.632 47.9 -1.55    6.29   -0.747   -0.875
## 4 1970-12-31  4.59  0.906    0.637 46.8 -3.49    5.12   -0.703   -0.846
## 5 1971-03-31  4.59  1.54     0.675 47.5 -6.51    4.40   -0.690   -0.825
## 6 1971-06-30  4.60  0.628    0.651 47.3 -4.91    3.86   -0.659   -0.792
## 7 1971-09-30  4.59  1.09     0.643 46.9 -5.09    3.11   -0.675   -0.795
## 8 1971-12-31  4.56  0.301    0.624 47.4 -7.57    2.87   -0.653   -0.749
## 9 1972-03-31  4.49  0.117    0.625 45.7 -4.69    3.33   -0.591   -0.665
## 10 1972-06-30  4.50 -0.0238    0.617 47.4 -8.77    4.63   -0.407   -0.481
## # ... with 119 more rows, and 11 more variables: LPR2COMM3 <dbl>,
## #   LPRCOMM3 <dbl>, LPR2GOLD <dbl>, LPRGOLD <dbl>, SDUMC1 <dbl>, SDUMC2 <dbl>,
```

```
## # SDUMC3 <dbl>, DUMRER1 <dbl>, DUMRER2 <dbl>, DUMFBYA <dbl>, DUMNFAOFPY <dbl>
```

4.3. Variable Names (SECTION TO BE DELETED)

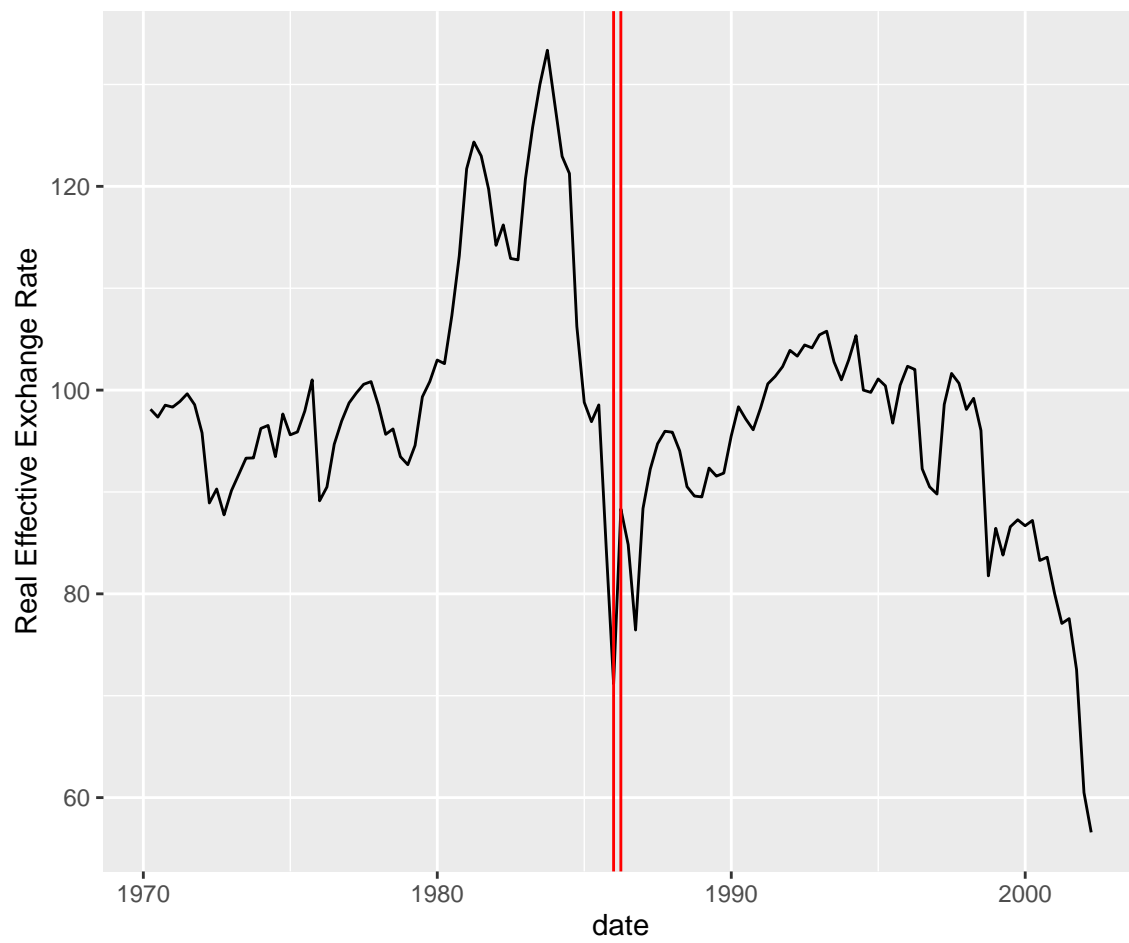
```
as_tibble(names(full_df))
```

```
## # A tibble: 20 x 1
##   value
##   <chr>
## 1 date
## 2 LREERS
## 3 RIRR
## 4 LRGDPPCR
## 5 OPENY
## 6 FBYA
## 7 NFAOFPY
## 8 LPR2COMM5
## 9 LPRCOMM5
## 10 LPR2COMM3
## 11 LPRCOMM3
## 12 LPR2GOLD
## 13 LPRGOLD
## 14 SDUMC1
## 15 SDUMC2
## 16 SDUMC3
## 17 DUMRER1
## 18 DUMRER2
## 19 DUMFBYA
## 20 DUMNFAOFPY
```

4.4. Plotting the Variables of Interest

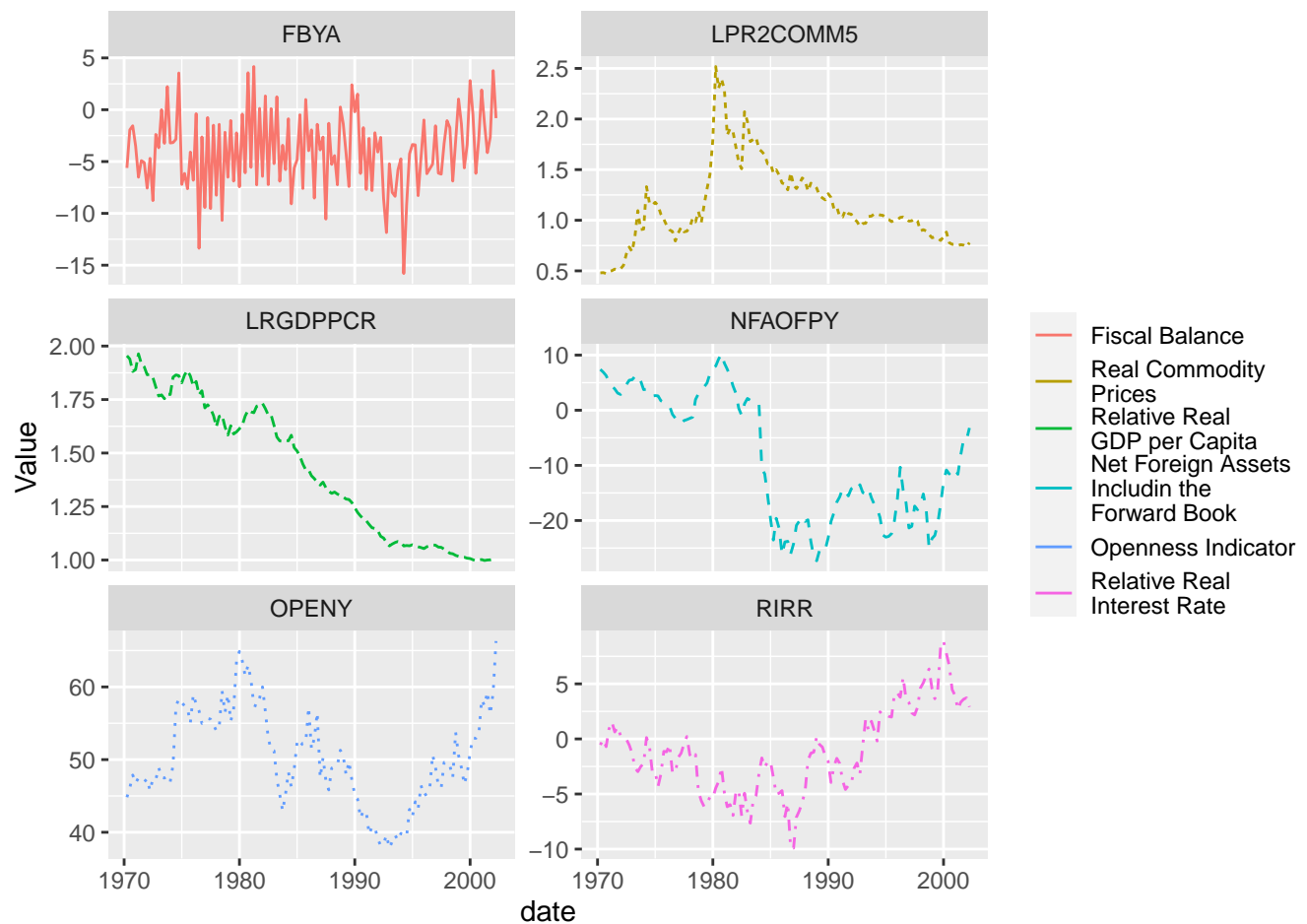
4.4.1. Plotting REERS:

```
plot_endog1(full_df)
```



4.4.2. Plotting the determinants of the Real Effective Exchange Rate:

```
plot_endog2(df = full_df)
```



4.5. VECM Model Estimation:

paper table 1 col's:

1. Var's + Seasonal(4) + lags(4) 2. ^{Above} + outlier_dummies -> Trace test \Rightarrow two CI vectors

Multiple ways to estimate VEC models:

First approach: ordinary least squares (yields accurate result) but does not allow to estimate the cointegrating relations among the variables. The estimated generalised least squares (EGLS) approach would be an alternative.

Most popular estimator: MLE of Johansen (1995) [In R: ca.jo function of the urca package of Pfaff (2008a)] Alternatively, VECM of tsDyn package of Di Narzo et al. (2020)

Before VECM: 1. Determine lag order $p \rightarrow$ Det. rank of CI matrix r 2. deterministic terms have to be specified. 3. Choose lag order: est. the VAR in levels 4. Choose lag specification that minimises

an Information criterion

4.5.1. Determine the Lag Order

First we split the data into the additional dummies and the main variables:

```
endog_df <- split_data_endog(full_df)
exog_df <- split_data_exog(full_df)
endog_df; exog_df
```

```
## # A tibble: 129 x 13
##   date      LREERS    RIRR LRGDPPCR OPENY  FBYA  NFAOFPY LPR2COMM5 LPRCOMM5
##   <date>      <dbl>    <dbl>    <dbl> <dbl> <dbl>    <dbl>      <dbl>
## 1 1970-03-31  4.59 -0.541    0.670  44.8 -5.62    7.41    -0.734    -0.851
## 2 1970-06-30  4.58 -0.0509    0.663  46.1 -1.94    6.92    -0.729    -0.849
## 3 1970-09-30  4.59 -0.707    0.632  47.9 -1.55    6.29    -0.747    -0.875
## 4 1970-12-31  4.59  0.906    0.637  46.8 -3.49    5.12    -0.703    -0.846
## 5 1971-03-31  4.59  1.54     0.675  47.5 -6.51    4.40    -0.690    -0.825
## 6 1971-06-30  4.60  0.628    0.651  47.3 -4.91    3.86    -0.659    -0.792
## 7 1971-09-30  4.59  1.09     0.643  46.9 -5.09    3.11    -0.675    -0.795
## 8 1971-12-31  4.56  0.301    0.624  47.4 -7.57    2.87    -0.653    -0.749
## 9 1972-03-31  4.49  0.117    0.625  45.7 -4.69    3.33    -0.591    -0.665
## 10 1972-06-30  4.50 -0.0238    0.617  47.4 -8.77    4.63    -0.407    -0.481
## # ... with 119 more rows, and 4 more variables: LPR2COMM3 <dbl>,
## #   LPRCOMM3 <dbl>, LPR2GOLD <dbl>, LPRGOLD <dbl>
```

```
##           date      LPRCOMM5    LPR2COMM3    LPRCOMM3  LPR2GOLD  LPRGOLD
## 1 1970-03-31 -0.8508456382 -0.7337607826 -0.850845638 0.4554015 0.3383167
## 2 1970-06-30 -0.8492141419 -0.7286791112 -0.849214142 0.4649249 0.3443899
## 3 1970-09-30 -0.8751891284 -0.7472919479 -0.875189128 0.4560735 0.3281763
## 4 1970-12-31 -0.8457232359 -0.7029693063 -0.845723236 0.5139010 0.3711470
## 5 1971-03-31 -0.8251001767 -0.6899826207 -0.825100177 0.5287899 0.3936723
## 6 1971-06-30 -0.7917019349 -0.6587135262 -0.791701935 0.5606338 0.4276454
## 7 1971-09-30 -0.7953170074 -0.6750493038 -0.795317007 0.5478350 0.4275673
## 8 1971-12-31 -0.7492344663 -0.6530804466 -0.749234466 0.5779217 0.4817677
## 9 1972-03-31 -0.6647690714 -0.5910337683 -0.664769071 0.6456360 0.5719007
## 10 1972-06-30 -0.4813840636 -0.4069078145 -0.481384064 0.8514164 0.7769402
```


| | | | | | | |
|-------|------------|---------------|---------------|--------------|-----------|-----------|
| ## 11 | 1972-09-30 | -0.3840943690 | -0.3071019194 | -0.384094369 | 0.9652812 | 0.8882887 |
| ## 12 | 1972-12-31 | -0.4484681972 | -0.3723310345 | -0.448468197 | 0.8954854 | 0.8193482 |
| ## 13 | 1973-03-31 | -0.2144568426 | -0.1729696046 | -0.214456843 | 1.1090118 | 1.0675246 |
| ## 14 | 1973-06-30 | 0.0977042160 | 0.0906545638 | 0.097704216 | 1.3962879 | 1.4033376 |
| ## 15 | 1973-09-30 | -0.0331048629 | -0.0967396886 | -0.033104863 | 1.1858851 | 1.2495199 |
| ## 16 | 1973-12-31 | -0.0401329853 | -0.0918491013 | -0.040132985 | 1.1882969 | 1.2400130 |
| ## 17 | 1974-03-31 | 0.3304796754 | 0.2866007582 | 0.330479675 | 1.5914863 | 1.6353652 |
| ## 18 | 1974-06-30 | 0.2758129154 | 0.1609522544 | 0.275812915 | 1.4541489 | 1.5690096 |
| ## 19 | 1974-09-30 | 0.2622249708 | 0.1383104750 | 0.262224971 | 1.4582391 | 1.5821536 |
| ## 20 | 1974-12-31 | 0.3045659378 | 0.1637580279 | 0.304565938 | 1.5038009 | 1.6446088 |
| ## 21 | 1975-03-31 | 0.3187646446 | 0.1351490251 | 0.318764645 | 1.4683910 | 1.6520066 |
| ## 22 | 1975-06-30 | 0.2279448359 | 0.0578139467 | 0.227944836 | 1.3835741 | 1.5537050 |
| ## 23 | 1975-09-30 | 0.1142354657 | 0.0101694729 | 0.114235466 | 1.3267097 | 1.4307757 |
| ## 24 | 1975-12-31 | 0.0333139148 | -0.0535388322 | 0.033313915 | 1.2590954 | 1.3459482 |
| ## 25 | 1976-03-31 | -0.0166745734 | -0.0955554764 | -0.012495356 | 1.1948830 | 1.2779431 |
| ## 26 | 1976-06-30 | -0.0441383982 | -0.1218222630 | -0.048563362 | 1.1555735 | 1.2288324 |
| ## 27 | 1976-09-30 | -0.1441133121 | -0.2361598825 | -0.150625751 | 1.0309685 | 1.1165026 |
| ## 28 | 1976-12-31 | -0.0290732853 | -0.1333410380 | -0.028387659 | 1.1579612 | 1.2629145 |
| ## 29 | 1977-03-31 | 0.0316278855 | -0.0706356122 | 0.032841449 | 1.2222006 | 1.3256777 |
| ## 30 | 1977-06-30 | -0.0187813905 | -0.1188126906 | -0.016113159 | 1.1739179 | 1.2766174 |
| ## 31 | 1977-09-30 | -0.0081563105 | -0.1087313120 | -0.002483361 | 1.1939317 | 1.3001796 |
| ## 32 | 1977-12-31 | 0.0595413988 | -0.0713714471 | 0.060582488 | 1.2386031 | 1.3705570 |
| ## 33 | 1978-03-31 | 0.1759301749 | 0.0156908589 | 0.171878184 | 1.3421846 | 1.4983719 |
| ## 34 | 1978-06-30 | 0.1387412877 | -0.0234920171 | 0.131873058 | 1.2989305 | 1.4542955 |
| ## 35 | 1978-09-30 | 0.2629273393 | 0.0774699169 | 0.257519843 | 1.4122116 | 1.5922615 |
| ## 36 | 1978-12-31 | 0.1844602420 | -0.0388395545 | 0.166972927 | 1.2845909 | 1.4904034 |
| ## 37 | 1979-03-31 | 0.3511562740 | 0.1255109769 | 0.334294590 | 1.4539554 | 1.6627391 |
| ## 38 | 1979-06-30 | 0.4572833428 | 0.2559602864 | 0.442595194 | 1.5961487 | 1.7827836 |
| ## 39 | 1979-09-30 | 0.5825453128 | 0.3653802120 | 0.575184954 | 1.7234912 | 1.9332959 |
| ## 40 | 1979-12-31 | 0.7902633449 | 0.5775694049 | 0.782220992 | 1.9567859 | 2.1614375 |
| ## 41 | 1980-03-31 | 1.1170261192 | 0.9041230463 | 1.097482893 | 2.3008660 | 2.4942259 |
| ## 42 | 1980-06-30 | 1.0116372136 | 0.8314426526 | 1.008675221 | 2.2350603 | 2.4122929 |
| ## 43 | 1980-09-30 | 1.0677687081 | 0.8733623582 | 1.067010521 | 2.2839255 | 2.4775737 |
| ## 44 | 1980-12-31 | 0.9830486256 | 0.8302948438 | 0.983938123 | 2.2379982 | 2.3916415 |
| ## 45 | 1981-03-31 | 0.7060177344 | 0.6153049679 | 0.710746898 | 2.0004831 | 2.0959251 |
| ## 46 | 1981-06-30 | 0.6680834850 | 0.6487909903 | 0.672202515 | 2.0345247 | 2.0579362 |
| ## 47 | 1981-09-30 | 0.5937673664 | 0.6309961666 | 0.595950141 | 2.0125001 | 1.9774540 |
| ## 48 | 1981-12-31 | 0.5507853927 | 0.5464930031 | 0.553644107 | 1.9271168 | 1.9342679 |
| ## 49 | 1982-03-31 | 0.4346653519 | 0.3735541113 | 0.356282480 | 1.7285733 | 1.7113016 |

| | | | | | | |
|-------|------------|--------------|--------------|-------------|-----------|-----------|
| ## 50 | 1982-06-30 | 0.3591908438 | 0.3218827656 | 0.270079326 | 1.6734805 | 1.6216770 |
| ## 51 | 1982-09-30 | 0.6308001352 | 0.7062868897 | 0.608470059 | 2.0968823 | 1.9990655 |
| ## 52 | 1982-12-31 | 0.5718242880 | 0.6579353944 | 0.549097193 | 2.0415290 | 1.9326908 |
| ## 53 | 1983-03-31 | 0.4870808162 | 0.5700082460 | 0.482056010 | 1.9475093 | 1.8595570 |
| ## 54 | 1983-06-30 | 0.4689557656 | 0.5780939377 | 0.460601593 | 1.9511996 | 1.8337073 |
| ## 55 | 1983-09-30 | 0.4385402855 | 0.6288401542 | 0.469670613 | 2.0067181 | 1.8475485 |
| ## 56 | 1983-12-31 | 0.3716707258 | 0.5717303578 | 0.410338815 | 1.9518787 | 1.7904871 |
| ## 57 | 1984-03-31 | 0.3521160427 | 0.5733429336 | 0.407809946 | 1.9592163 | 1.7936833 |
| ## 58 | 1984-06-30 | 0.3244875542 | 0.5445448488 | 0.370897876 | 1.9274866 | 1.7538396 |
| ## 59 | 1984-09-30 | 0.2142515904 | 0.4583569758 | 0.229616347 | 1.8317630 | 1.6030224 |
| ## 60 | 1984-12-31 | 0.1898653728 | 0.4503595154 | 0.195083980 | 1.8211918 | 1.5659163 |
| ## 61 | 1985-03-31 | 0.0821970335 | 0.3637787165 | 0.064366868 | 1.7177864 | 1.4183746 |
| ## 62 | 1985-06-30 | 0.1412977030 | 0.4033417650 | 0.140093494 | 1.7627360 | 1.4994877 |
| ## 63 | 1985-09-30 | 0.1485103889 | 0.3647071373 | 0.144736073 | 1.7278543 | 1.5078832 |
| ## 64 | 1985-12-31 | 0.1480576297 | 0.3063670986 | 0.141505062 | 1.6715996 | 1.5067376 |
| ## 65 | 1986-03-31 | 0.1918184511 | 0.3090914766 | 0.196131909 | 1.6795590 | 1.5665994 |
| ## 66 | 1986-06-30 | 0.1804595931 | 0.2758848658 | 0.193943039 | 1.6458808 | 1.5639390 |
| ## 67 | 1986-09-30 | 0.3344377153 | 0.4205619772 | 0.370167714 | 1.8142731 | 1.7638789 |
| ## 68 | 1986-12-31 | 0.2569153680 | 0.3346628058 | 0.292386699 | 1.7207011 | 1.6784250 |
| ## 69 | 1987-03-31 | 0.2775699003 | 0.3194563695 | 0.324906901 | 1.7091149 | 1.7145654 |
| ## 70 | 1987-06-30 | 0.3193764245 | 0.4003382187 | 0.415313180 | 1.7964539 | 1.8114288 |
| ## 71 | 1987-09-30 | 0.3476095548 | 0.4340155937 | 0.432423191 | 1.8257959 | 1.8242035 |
| ## 72 | 1987-12-31 | 0.3795317607 | 0.4189057867 | 0.468957730 | 1.7977827 | 1.8478347 |
| ## 73 | 1988-03-31 | 0.3179274164 | 0.3092565028 | 0.373771716 | 1.6807646 | 1.7452798 |
| ## 74 | 1988-06-30 | 0.3694292200 | 0.3576264362 | 0.414897309 | 1.7355031 | 1.7927740 |
| ## 75 | 1988-09-30 | 0.3045495064 | 0.3253446252 | 0.327888930 | 1.6984284 | 1.7009728 |
| ## 76 | 1988-12-31 | 0.3162387040 | 0.2916225861 | 0.332308289 | 1.6476470 | 1.6883327 |
| ## 77 | 1989-03-31 | 0.2375676527 | 0.2190517876 | 0.237556940 | 1.5585707 | 1.5770759 |
| ## 78 | 1989-06-30 | 0.1729160251 | 0.1892603463 | 0.163060694 | 1.5304210 | 1.5042214 |
| ## 79 | 1989-09-30 | 0.1518780959 | 0.1719667003 | 0.140478683 | 1.5131776 | 1.4816896 |
| ## 80 | 1989-12-31 | 0.2243117435 | 0.2422544490 | 0.233337682 | 1.5963376 | 1.5874208 |
| ## 81 | 1990-03-31 | 0.2128521346 | 0.2117747115 | 0.222338615 | 1.5616441 | 1.5722080 |
| ## 82 | 1990-06-30 | 0.1236129986 | 0.0892727733 | 0.103639424 | 1.4229052 | 1.4372719 |
| ## 83 | 1990-09-30 | 0.1745700709 | 0.1197372295 | 0.169444127 | 1.4575140 | 1.5072209 |
| ## 84 | 1990-12-31 | 0.1164583283 | 0.0222100405 | 0.105154302 | 1.3609079 | 1.4438522 |
| ## 85 | 1991-03-31 | 0.0982757392 | 0.0215638492 | 0.089505923 | 1.3593425 | 1.4272846 |
| ## 86 | 1991-06-30 | 0.0779658203 | 0.0890197544 | 0.071166804 | 1.4274876 | 1.4096347 |
| ## 87 | 1991-09-30 | 0.0334812902 | 0.0515987160 | 0.021746337 | 1.3874617 | 1.3576094 |
| ## 88 | 1991-12-31 | 0.0684481725 | 0.0545540451 | 0.064566089 | 1.3946301 | 1.4046421 |

| | | | | | | |
|--------|------------|---------------|---------------|--------------|-----------|-----------|
| ## 89 | 1992-03-31 | 0.0204276419 | 0.0002182281 | 0.006255915 | 1.3401941 | 1.3462318 |
| ## 90 | 1992-06-30 | -0.0088864711 | -0.0341146175 | -0.029876941 | 1.3017457 | 1.3059834 |
| ## 91 | 1992-09-30 | -0.0083801934 | -0.0793806153 | -0.025219509 | 1.2523652 | 1.3065264 |
| ## 92 | 1992-12-31 | -0.0494536894 | -0.0376146772 | -0.054029295 | 1.2979940 | 1.2815794 |
| ## 93 | 1993-03-31 | -0.0946088397 | -0.0196755568 | -0.083799550 | 1.3207505 | 1.2566265 |
| ## 94 | 1993-06-30 | -0.0213173603 | 0.0732777592 | 0.015154654 | 1.4340098 | 1.3758867 |
| ## 95 | 1993-09-30 | -0.0457902846 | 0.0730959066 | -0.012754873 | 1.4300716 | 1.3442208 |
| ## 96 | 1993-12-31 | -0.0342258387 | 0.0986631717 | 0.003673383 | 1.4653953 | 1.3704055 |
| ## 97 | 1994-03-31 | -0.0413732883 | 0.0995271577 | -0.002100054 | 1.4656502 | 1.3640230 |
| ## 98 | 1994-06-30 | -0.0324546828 | 0.0866611379 | 0.003246839 | 1.4469200 | 1.3635057 |
| ## 99 | 1994-09-30 | -0.0084751546 | 0.0776306490 | 0.022110078 | 1.4333538 | 1.3778332 |
| ## 100 | 1994-12-31 | -0.0261781400 | 0.0402506948 | -0.003736407 | 1.3871493 | 1.3431621 |
| ## 101 | 1995-03-31 | -0.0072866349 | 0.0143459556 | -0.000655900 | 1.3557863 | 1.3407845 |
| ## 102 | 1995-06-30 | 0.0023119016 | -0.0123330239 | 0.004102368 | 1.3314120 | 1.3478474 |
| ## 103 | 1995-09-30 | 0.0006055318 | -0.0075656642 | -0.007930658 | 1.3331199 | 1.3327549 |
| ## 104 | 1995-12-31 | 0.0039129259 | 0.0057988349 | 0.004365767 | 1.3502173 | 1.3487843 |
| ## 105 | 1996-03-31 | -0.0019797787 | 0.0339550656 | 0.004454855 | 1.3827664 | 1.3532662 |
| ## 106 | 1996-06-30 | -0.0319187211 | 0.0381919252 | -0.025476706 | 1.3868182 | 1.3231496 |
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| ## 117 | 1999-03-31 | -0.3839536339 | -0.1661897291 | -0.369306430 | 1.1853493 | 0.9822326 |
| ## 118 | 1999-06-30 | -0.4528785244 | -0.1963739713 | -0.453444039 | 1.1450258 | 0.8879557 |
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| ## 120 | 1999-12-31 | -0.4294336067 | -0.1712130099 | -0.420758246 | 1.1659874 | 0.9164422 |
| ## 121 | 2000-03-31 | -0.4039086326 | -0.1081860613 | -0.388048176 | 1.2295132 | 0.9496510 |
| ## 122 | 2000-06-30 | -0.4179176323 | -0.2471737114 | -0.414338054 | 1.0905441 | 0.9233798 |
| ## 123 | 2000-09-30 | -0.4403248183 | -0.2809319585 | -0.449944897 | 1.0498656 | 0.8808526 |
| ## 124 | 2000-12-31 | -0.4376821727 | -0.2969424815 | -0.462949632 | 1.0337915 | 0.8677843 |
| ## 125 | 2001-03-31 | -0.4557524835 | -0.3432359220 | -0.511297044 | 0.9842660 | 0.8162049 |
| ## 126 | 2001-06-30 | -0.4458336327 | -0.3361639405 | -0.506047728 | 0.9956388 | 0.8257550 |
| ## 127 | 2001-09-30 | -0.4459131421 | -0.3277581060 | -0.491250633 | 1.0118884 | 0.8483959 |

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| ## 128 | 2001-12-31 | -0.4591342362 | -0.3291643364 | -0.483166046 | 1.0127090 | 0.8587073 |
| ## 129 | 2002-03-31 | -0.4202305024 | -0.2639693347 | -0.433974102 | 1.0802380 | 0.9102332 |
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| ## 131 | 1970-06-30 | -0.8492141419 | -0.7286791112 | -0.849214142 | 0.4649249 | 0.3443899 |
| ## 132 | 1970-09-30 | -0.8751891284 | -0.7472919479 | -0.875189128 | 0.4560735 | 0.3281763 |
| ## 133 | 1970-12-31 | -0.8457232359 | -0.7029693063 | -0.845723236 | 0.5139010 | 0.3711470 |
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| ## 136 | 1971-09-30 | -0.7953170074 | -0.6750493038 | -0.795317007 | 0.5478350 | 0.4275673 |
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| ## 138 | 1972-03-31 | -0.6647690714 | -0.5910337683 | -0.664769071 | 0.6456360 | 0.5719007 |
| ## 139 | 1972-06-30 | -0.4813840636 | -0.4069078145 | -0.481384064 | 0.8514164 | 0.7769402 |
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| ## 143 | 1973-06-30 | 0.0977042160 | 0.0906545638 | 0.097704216 | 1.3962879 | 1.4033376 |
| ## 144 | 1973-09-30 | -0.0331048629 | -0.0967396886 | -0.033104863 | 1.1858851 | 1.2495199 |
| ## 145 | 1973-12-31 | -0.0401329853 | -0.0918491013 | -0.040132985 | 1.1882969 | 1.2400130 |
| ## 146 | 1974-03-31 | 0.3304796754 | 0.2866007582 | 0.330479675 | 1.5914863 | 1.6353652 |
| ## 147 | 1974-06-30 | 0.2758129154 | 0.1609522544 | 0.275812915 | 1.4541489 | 1.5690096 |
| ## 148 | 1974-09-30 | 0.2622249708 | 0.1383104750 | 0.262224971 | 1.4582391 | 1.5821536 |
| ## 149 | 1974-12-31 | 0.3045659378 | 0.1637580279 | 0.304565938 | 1.5038009 | 1.6446088 |
| ## 150 | 1975-03-31 | 0.3187646446 | 0.1351490251 | 0.318764645 | 1.4683910 | 1.6520066 |
| ## 151 | 1975-06-30 | 0.2279448359 | 0.0578139467 | 0.227944836 | 1.3835741 | 1.5537050 |
| ## 152 | 1975-09-30 | 0.1142354657 | 0.0101694729 | 0.114235466 | 1.3267097 | 1.4307757 |
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| ## 154 | 1976-03-31 | -0.0166745734 | -0.0955554764 | -0.012495356 | 1.1948830 | 1.2779431 |
| ## 155 | 1976-06-30 | -0.0441383982 | -0.1218222630 | -0.048563362 | 1.1555735 | 1.2288324 |
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| ## 162 | 1978-03-31 | 0.1759301749 | 0.0156908589 | 0.171878184 | 1.3421846 | 1.4983719 |
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| ## 165 | 1978-12-31 | 0.1844602420 | -0.0388395545 | 0.166972927 | 1.2845909 | 1.4904034 |
| ## 166 | 1979-03-31 | 0.3511562740 | 0.1255109769 | 0.334294590 | 1.4539554 | 1.6627391 |

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| ## 167 | 1979-06-30 | 0.4572833428 | 0.2559602864 | 0.442595194 | 1.5961487 | 1.7827836 |
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| ## 189 | 1984-12-31 | 0.1898653728 | 0.4503595154 | 0.195083980 | 1.8211918 | 1.5659163 |
| ## 190 | 1985-03-31 | 0.0821970335 | 0.3637787165 | 0.064366868 | 1.7177864 | 1.4183746 |
| ## 191 | 1985-06-30 | 0.1412977030 | 0.4033417650 | 0.140093494 | 1.7627360 | 1.4994877 |
| ## 192 | 1985-09-30 | 0.1485103889 | 0.3647071373 | 0.144736073 | 1.7278543 | 1.5078832 |
| ## 193 | 1985-12-31 | 0.1480576297 | 0.3063670986 | 0.141505062 | 1.6715996 | 1.5067376 |
| ## 194 | 1986-03-31 | 0.1918184511 | 0.3090914766 | 0.196131909 | 1.6795590 | 1.5665994 |
| ## 195 | 1986-06-30 | 0.1804595931 | 0.2758848658 | 0.193943039 | 1.6458808 | 1.5639390 |
| ## 196 | 1986-09-30 | 0.3344377153 | 0.4205619772 | 0.370167714 | 1.8142731 | 1.7638789 |
| ## 197 | 1986-12-31 | 0.2569153680 | 0.3346628058 | 0.292386699 | 1.7207011 | 1.6784250 |
| ## 198 | 1987-03-31 | 0.2775699003 | 0.3194563695 | 0.324906901 | 1.7091149 | 1.7145654 |
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| ## | 209 | 1989-12-31 | 0.2243117435 | 0.2422544490 | 0.233337682 | 1.5963376 | 1.5874208 |
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| ## | 238 | 1997-03-31 | -0.1361242737 | 0.0023427810 | -0.128235581 | 1.3429768 | 1.2123985 |
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| ## | 240 | 1997-09-30 | -0.1980029967 | -0.0288785826 | -0.219213255 | 1.3062124 | 1.1158777 |
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| ## 245 | 1998-12-31 | -0.3635388897 | -0.1701293908 | -0.343747954 | 1.1724519 | 0.9988333 |
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| ## 273 | 1973-09-30 | -0.0331048629 | -0.0967396886 | -0.033104863 | 1.1858851 | 1.2495199 |
| ## 274 | 1973-12-31 | -0.0401329853 | -0.0918491013 | -0.040132985 | 1.1882969 | 1.2400130 |
| ## 275 | 1974-03-31 | 0.3304796754 | 0.2866007582 | 0.330479675 | 1.5914863 | 1.6353652 |
| ## 276 | 1974-06-30 | 0.2758129154 | 0.1609522544 | 0.275812915 | 1.4541489 | 1.5690096 |
| ## 277 | 1974-09-30 | 0.2622249708 | 0.1383104750 | 0.262224971 | 1.4582391 | 1.5821536 |
| ## 278 | 1974-12-31 | 0.3045659378 | 0.1637580279 | 0.304565938 | 1.5038009 | 1.6446088 |
| ## 279 | 1975-03-31 | 0.3187646446 | 0.1351490251 | 0.318764645 | 1.4683910 | 1.6520066 |
| ## 280 | 1975-06-30 | 0.2279448359 | 0.0578139467 | 0.227944836 | 1.3835741 | 1.5537050 |
| ## 281 | 1975-09-30 | 0.1142354657 | 0.0101694729 | 0.114235466 | 1.3267097 | 1.4307757 |
| ## 282 | 1975-12-31 | 0.0333139148 | -0.0535388322 | 0.033313915 | 1.2590954 | 1.3459482 |
| ## 283 | 1976-03-31 | -0.0166745734 | -0.0955554764 | -0.012495356 | 1.1948830 | 1.2779431 |

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| ## 284 | 1976-06-30 | -0.0441383982 | -0.1218222630 | -0.048563362 | 1.1555735 | 1.2288324 |
| ## 285 | 1976-09-30 | -0.1441133121 | -0.2361598825 | -0.150625751 | 1.0309685 | 1.1165026 |
| ## 286 | 1976-12-31 | -0.0290732853 | -0.1333410380 | -0.028387659 | 1.1579612 | 1.2629145 |
| ## 287 | 1977-03-31 | 0.0316278855 | -0.0706356122 | 0.032841449 | 1.2222006 | 1.3256777 |
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| ## 289 | 1977-09-30 | -0.0081563105 | -0.1087313120 | -0.002483361 | 1.1939317 | 1.3001796 |
| ## 290 | 1977-12-31 | 0.0595413988 | -0.0713714471 | 0.060582488 | 1.2386031 | 1.3705570 |
| ## 291 | 1978-03-31 | 0.1759301749 | 0.0156908589 | 0.171878184 | 1.3421846 | 1.4983719 |
| ## 292 | 1978-06-30 | 0.1387412877 | -0.0234920171 | 0.131873058 | 1.2989305 | 1.4542955 |
| ## 293 | 1978-09-30 | 0.2629273393 | 0.0774699169 | 0.257519843 | 1.4122116 | 1.5922615 |
| ## 294 | 1978-12-31 | 0.1844602420 | -0.0388395545 | 0.166972927 | 1.2845909 | 1.4904034 |
| ## 295 | 1979-03-31 | 0.3511562740 | 0.1255109769 | 0.334294590 | 1.4539554 | 1.6627391 |
| ## 296 | 1979-06-30 | 0.4572833428 | 0.2559602864 | 0.442595194 | 1.5961487 | 1.7827836 |
| ## 297 | 1979-09-30 | 0.5825453128 | 0.3653802120 | 0.575184954 | 1.7234912 | 1.9332959 |
| ## 298 | 1979-12-31 | 0.7902633449 | 0.5775694049 | 0.782220992 | 1.9567859 | 2.1614375 |
| ## 299 | 1980-03-31 | 1.1170261192 | 0.9041230463 | 1.097482893 | 2.3008660 | 2.4942259 |
| ## 300 | 1980-06-30 | 1.0116372136 | 0.8314426526 | 1.008675221 | 2.2350603 | 2.4122929 |
| ## 301 | 1980-09-30 | 1.0677687081 | 0.8733623582 | 1.067010521 | 2.2839255 | 2.4775737 |
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| ## 303 | 1981-03-31 | 0.7060177344 | 0.6153049679 | 0.710746898 | 2.0004831 | 2.0959251 |
| ## 304 | 1981-06-30 | 0.6680834850 | 0.6487909903 | 0.672202515 | 2.0345247 | 2.0579362 |
| ## 305 | 1981-09-30 | 0.5937673664 | 0.6309961666 | 0.595950141 | 2.0125001 | 1.9774540 |
| ## 306 | 1981-12-31 | 0.5507853927 | 0.5464930031 | 0.553644107 | 1.9271168 | 1.9342679 |
| ## 307 | 1982-03-31 | 0.4346653519 | 0.3735541113 | 0.356282480 | 1.7285733 | 1.7113016 |
| ## 308 | 1982-06-30 | 0.3591908438 | 0.3218827656 | 0.270079326 | 1.6734805 | 1.6216770 |
| ## 309 | 1982-09-30 | 0.6308001352 | 0.7062868897 | 0.608470059 | 2.0968823 | 1.9990655 |
| ## 310 | 1982-12-31 | 0.5718242880 | 0.6579353944 | 0.549097193 | 2.0415290 | 1.9326908 |
| ## 311 | 1983-03-31 | 0.4870808162 | 0.5700082460 | 0.482056010 | 1.9475093 | 1.8595570 |
| ## 312 | 1983-06-30 | 0.4689557656 | 0.5780939377 | 0.460601593 | 1.9511996 | 1.8337073 |
| ## 313 | 1983-09-30 | 0.4385402855 | 0.6288401542 | 0.469670613 | 2.0067181 | 1.8475485 |
| ## 314 | 1983-12-31 | 0.3716707258 | 0.5717303578 | 0.410338815 | 1.9518787 | 1.7904871 |
| ## 315 | 1984-03-31 | 0.3521160427 | 0.5733429336 | 0.407809946 | 1.9592163 | 1.7936833 |
| ## 316 | 1984-06-30 | 0.3244875542 | 0.5445448488 | 0.370897876 | 1.9274866 | 1.7538396 |
| ## 317 | 1984-09-30 | 0.2142515904 | 0.4583569758 | 0.229616347 | 1.8317630 | 1.6030224 |
| ## 318 | 1984-12-31 | 0.1898653728 | 0.4503595154 | 0.195083980 | 1.8211918 | 1.5659163 |
| ## 319 | 1985-03-31 | 0.0821970335 | 0.3637787165 | 0.064366868 | 1.7177864 | 1.4183746 |
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| ## 321 | 1985-09-30 | 0.1485103889 | 0.3647071373 | 0.144736073 | 1.7278543 | 1.5078832 |
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| ## | 323 | 1986-03-31 | 0.1918184511 | 0.3090914766 | 0.196131909 | 1.6795590 | 1.5665994 |
| ## | 324 | 1986-06-30 | 0.1804595931 | 0.2758848658 | 0.193943039 | 1.6458808 | 1.5639390 |
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| ## | 329 | 1987-09-30 | 0.3476095548 | 0.4340155937 | 0.432423191 | 1.8257959 | 1.8242035 |
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| ## | 337 | 1989-09-30 | 0.1518780959 | 0.1719667003 | 0.140478683 | 1.5131776 | 1.4816896 |
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| ## | 339 | 1990-03-31 | 0.2128521346 | 0.2117747115 | 0.222338615 | 1.5616441 | 1.5722080 |
| ## | 340 | 1990-06-30 | 0.1236129986 | 0.0892727733 | 0.103639424 | 1.4229052 | 1.4372719 |
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| ## | 342 | 1990-12-31 | 0.1164583283 | 0.0222100405 | 0.105154302 | 1.3609079 | 1.4438522 |
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| ## | 344 | 1991-06-30 | 0.0779658203 | 0.0890197544 | 0.071166804 | 1.4274876 | 1.4096347 |
| ## | 345 | 1991-09-30 | 0.0334812902 | 0.0515987160 | 0.021746337 | 1.3874617 | 1.3576094 |
| ## | 346 | 1991-12-31 | 0.0684481725 | 0.0545540451 | 0.064566089 | 1.3946301 | 1.4046421 |
| ## | 347 | 1992-03-31 | 0.0204276419 | 0.0002182281 | 0.006255915 | 1.3401941 | 1.3462318 |
| ## | 348 | 1992-06-30 | -0.0088864711 | -0.0341146175 | -0.029876941 | 1.3017457 | 1.3059834 |
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| ## | 353 | 1993-09-30 | -0.0457902846 | 0.0730959066 | -0.012754873 | 1.4300716 | 1.3442208 |
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| ## | 355 | 1994-03-31 | -0.0413732883 | 0.0995271577 | -0.002100054 | 1.4656502 | 1.3640230 |
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| ## | 361 | 1995-09-30 | 0.0006055318 | -0.0075656642 | -0.007930658 | 1.3331199 | 1.3327549 |

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| ## 362 | 1995-12-31 | 0.0039129259 | 0.0057988349 | 0.004365767 | 1.3502173 | 1.3487843 |
| ## 363 | 1996-03-31 | -0.0019797787 | 0.0339550656 | 0.004454855 | 1.3827664 | 1.3532662 |
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| ## 375 | 1999-03-31 | -0.3839536339 | -0.1661897291 | -0.369306430 | 1.1853493 | 0.9822326 |
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| ## 388 | 1970-03-31 | -0.8508456382 | -0.7337607826 | -0.850845638 | 0.4554015 | 0.3383167 |
| ## 389 | 1970-06-30 | -0.8492141419 | -0.7286791112 | -0.849214142 | 0.4649249 | 0.3443899 |
| ## 390 | 1970-09-30 | -0.8751891284 | -0.7472919479 | -0.875189128 | 0.4560735 | 0.3281763 |
| ## 391 | 1970-12-31 | -0.8457232359 | -0.7029693063 | -0.845723236 | 0.5139010 | 0.3711470 |
| ## 392 | 1971-03-31 | -0.8251001767 | -0.6899826207 | -0.825100177 | 0.5287899 | 0.3936723 |
| ## 393 | 1971-06-30 | -0.7917019349 | -0.6587135262 | -0.791701935 | 0.5606338 | 0.4276454 |
| ## 394 | 1971-09-30 | -0.7953170074 | -0.6750493038 | -0.795317007 | 0.5478350 | 0.4275673 |
| ## 395 | 1971-12-31 | -0.7492344663 | -0.6530804466 | -0.749234466 | 0.5779217 | 0.4817677 |
| ## 396 | 1972-03-31 | -0.6647690714 | -0.5910337683 | -0.664769071 | 0.6456360 | 0.5719007 |
| ## 397 | 1972-06-30 | -0.4813840636 | -0.4069078145 | -0.481384064 | 0.8514164 | 0.7769402 |
| ## 398 | 1972-09-30 | -0.3840943690 | -0.3071019194 | -0.384094369 | 0.9652812 | 0.8882887 |
| ## 399 | 1972-12-31 | -0.4484681972 | -0.3723310345 | -0.448468197 | 0.8954854 | 0.8193482 |
| ## 400 | 1973-03-31 | -0.2144568426 | -0.1729696046 | -0.214456843 | 1.1090118 | 1.0675246 |

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| ## 401 | 1973-06-30 | 0.0977042160 | 0.0906545638 | 0.097704216 | 1.3962879 | 1.4033376 |
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| ## 404 | 1974-03-31 | 0.3304796754 | 0.2866007582 | 0.330479675 | 1.5914863 | 1.6353652 |
| ## 405 | 1974-06-30 | 0.2758129154 | 0.1609522544 | 0.275812915 | 1.4541489 | 1.5690096 |
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| ## 423 | 1978-12-31 | 0.1844602420 | -0.0388395545 | 0.166972927 | 1.2845909 | 1.4904034 |
| ## 424 | 1979-03-31 | 0.3511562740 | 0.1255109769 | 0.334294590 | 1.4539554 | 1.6627391 |
| ## 425 | 1979-06-30 | 0.4572833428 | 0.2559602864 | 0.442595194 | 1.5961487 | 1.7827836 |
| ## 426 | 1979-09-30 | 0.5825453128 | 0.3653802120 | 0.575184954 | 1.7234912 | 1.9332959 |
| ## 427 | 1979-12-31 | 0.7902633449 | 0.5775694049 | 0.782220992 | 1.9567859 | 2.1614375 |
| ## 428 | 1980-03-31 | 1.1170261192 | 0.9041230463 | 1.097482893 | 2.3008660 | 2.4942259 |
| ## 429 | 1980-06-30 | 1.0116372136 | 0.8314426526 | 1.008675221 | 2.2350603 | 2.4122929 |
| ## 430 | 1980-09-30 | 1.0677687081 | 0.8733623582 | 1.067010521 | 2.2839255 | 2.4775737 |
| ## 431 | 1980-12-31 | 0.9830486256 | 0.8302948438 | 0.983938123 | 2.2379982 | 2.3916415 |
| ## 432 | 1981-03-31 | 0.7060177344 | 0.6153049679 | 0.710746898 | 2.0004831 | 2.0959251 |
| ## 433 | 1981-06-30 | 0.6680834850 | 0.6487909903 | 0.672202515 | 2.0345247 | 2.0579362 |
| ## 434 | 1981-09-30 | 0.5937673664 | 0.6309961666 | 0.595950141 | 2.0125001 | 1.9774540 |
| ## 435 | 1981-12-31 | 0.5507853927 | 0.5464930031 | 0.553644107 | 1.9271168 | 1.9342679 |
| ## 436 | 1982-03-31 | 0.4346653519 | 0.3735541113 | 0.356282480 | 1.7285733 | 1.7113016 |
| ## 437 | 1982-06-30 | 0.3591908438 | 0.3218827656 | 0.270079326 | 1.6734805 | 1.6216770 |
| ## 438 | 1982-09-30 | 0.6308001352 | 0.7062868897 | 0.608470059 | 2.0968823 | 1.9990655 |
| ## 439 | 1982-12-31 | 0.5718242880 | 0.6579353944 | 0.549097193 | 2.0415290 | 1.9326908 |

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| ## 440 | 1983-03-31 | 0.4870808162 | 0.5700082460 | 0.482056010 | 1.9475093 | 1.8595570 |
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| ## 443 | 1983-12-31 | 0.3716707258 | 0.5717303578 | 0.410338815 | 1.9518787 | 1.7904871 |
| ## 444 | 1984-03-31 | 0.3521160427 | 0.5733429336 | 0.407809946 | 1.9592163 | 1.7936833 |
| ## 445 | 1984-06-30 | 0.3244875542 | 0.5445448488 | 0.370897876 | 1.9274866 | 1.7538396 |
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| ## 447 | 1984-12-31 | 0.1898653728 | 0.4503595154 | 0.195083980 | 1.8211918 | 1.5659163 |
| ## 448 | 1985-03-31 | 0.0821970335 | 0.3637787165 | 0.064366868 | 1.7177864 | 1.4183746 |
| ## 449 | 1985-06-30 | 0.1412977030 | 0.4033417650 | 0.140093494 | 1.7627360 | 1.4994877 |
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| ## 453 | 1986-06-30 | 0.1804595931 | 0.2758848658 | 0.193943039 | 1.6458808 | 1.5639390 |
| ## 454 | 1986-09-30 | 0.3344377153 | 0.4205619772 | 0.370167714 | 1.8142731 | 1.7638789 |
| ## 455 | 1986-12-31 | 0.2569153680 | 0.3346628058 | 0.292386699 | 1.7207011 | 1.6784250 |
| ## 456 | 1987-03-31 | 0.2775699003 | 0.3194563695 | 0.324906901 | 1.7091149 | 1.7145654 |
| ## 457 | 1987-06-30 | 0.3193764245 | 0.4003382187 | 0.415313180 | 1.7964539 | 1.8114288 |
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| ## 462 | 1988-09-30 | 0.3045495064 | 0.3253446252 | 0.327888930 | 1.6984284 | 1.7009728 |
| ## 463 | 1988-12-31 | 0.3162387040 | 0.2916225861 | 0.332308289 | 1.6476470 | 1.6883327 |
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| ## 465 | 1989-06-30 | 0.1729160251 | 0.1892603463 | 0.163060694 | 1.5304210 | 1.5042214 |
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| ## 473 | 1991-06-30 | 0.0779658203 | 0.0890197544 | 0.071166804 | 1.4274876 | 1.4096347 |
| ## 474 | 1991-09-30 | 0.0334812902 | 0.0515987160 | 0.021746337 | 1.3874617 | 1.3576094 |
| ## 475 | 1991-12-31 | 0.0684481725 | 0.0545540451 | 0.064566089 | 1.3946301 | 1.4046421 |
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| ## 479 | 1992-12-31 | -0.0494536894 | -0.0376146772 | -0.054029295 | 1.2979940 | 1.2815794 |
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| ## 530 | 1973-06-30 | 0.0977042160 | 0.0906545638 | 0.097704216 | 1.3962879 | 1.4033376 |
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| ## 537 | 1975-03-31 | 0.3187646446 | 0.1351490251 | 0.318764645 | 1.4683910 | 1.6520066 |
| ## 538 | 1975-06-30 | 0.2279448359 | 0.0578139467 | 0.227944836 | 1.3835741 | 1.5537050 |
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| ## 540 | 1975-12-31 | 0.0333139148 | -0.0535388322 | 0.033313915 | 1.2590954 | 1.3459482 |
| ## 541 | 1976-03-31 | -0.0166745734 | -0.0955554764 | -0.012495356 | 1.1948830 | 1.2779431 |
| ## 542 | 1976-06-30 | -0.0441383982 | -0.1218222630 | -0.048563362 | 1.1555735 | 1.2288324 |
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| ## 545 | 1977-03-31 | 0.0316278855 | -0.0706356122 | 0.032841449 | 1.2222006 | 1.3256777 |
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| ## 557 | 1980-03-31 | 1.1170261192 | 0.9041230463 | 1.097482893 | 2.3008660 | 2.4942259 |
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| ## 561 | 1981-03-31 | 0.7060177344 | 0.6153049679 | 0.710746898 | 2.0004831 | 2.0959251 |
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| ## 566 | 1982-06-30 | 0.3591908438 | 0.3218827656 | 0.270079326 | 1.6734805 | 1.6216770 |
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| ## 578 | 1985-06-30 | 0.1412977030 | 0.4033417650 | 0.140093494 | 1.7627360 | 1.4994877 |
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| ## 588 | 1987-12-31 | 0.3795317607 | 0.4189057867 | 0.468957730 | 1.7977827 | 1.8478347 |
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| ## 591 | 1988-09-30 | 0.3045495064 | 0.3253446252 | 0.327888930 | 1.6984284 | 1.7009728 |
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| ## 596 | 1989-12-31 | 0.2243117435 | 0.2422544490 | 0.233337682 | 1.5963376 | 1.5874208 |
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| ## 635 | 1999-09-30 | -0.4810333602 | -0.2275022301 | -0.485572565 | 1.1039143 | 0.8458439 |
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| ## 713 | 1986-12-31 | 0.2569153680 | 0.3346628058 | 0.292386699 | 1.7207011 | 1.6784250 |
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| ## 752 | 1996-09-30 | -0.0472965912 | 0.0241327723 | -0.041988936 | 1.3834431 | 1.3173214 |
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| ## 786 | 1972-12-31 | -0.4484681972 | -0.3723310345 | -0.448468197 | 0.8954854 | 0.8193482 |
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| ## 791 | 1974-03-31 | 0.3304796754 | 0.2866007582 | 0.330479675 | 1.5914863 | 1.6353652 |
| ## 792 | 1974-06-30 | 0.2758129154 | 0.1609522544 | 0.275812915 | 1.4541489 | 1.5690096 |
| ## 793 | 1974-09-30 | 0.2622249708 | 0.1383104750 | 0.262224971 | 1.4582391 | 1.5821536 |
| ## 794 | 1974-12-31 | 0.3045659378 | 0.1637580279 | 0.304565938 | 1.5038009 | 1.6446088 |
| ## 795 | 1975-03-31 | 0.3187646446 | 0.1351490251 | 0.318764645 | 1.4683910 | 1.6520066 |
| ## 796 | 1975-06-30 | 0.2279448359 | 0.0578139467 | 0.227944836 | 1.3835741 | 1.5537050 |
| ## 797 | 1975-09-30 | 0.1142354657 | 0.0101694729 | 0.114235466 | 1.3267097 | 1.4307757 |
| ## 798 | 1975-12-31 | 0.0333139148 | -0.0535388322 | 0.033313915 | 1.2590954 | 1.3459482 |
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| ## 801 | 1976-09-30 | -0.1441133121 | -0.2361598825 | -0.150625751 | 1.0309685 | 1.1165026 |
| ## 802 | 1976-12-31 | -0.0290732853 | -0.1333410380 | -0.028387659 | 1.1579612 | 1.2629145 |
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| ## 808 | 1978-06-30 | 0.1387412877 | -0.0234920171 | 0.131873058 | 1.2989305 | 1.4542955 |
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| ## 811 | 1979-03-31 | 0.3511562740 | 0.1255109769 | 0.334294590 | 1.4539554 | 1.6627391 |
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| ## 816 | 1980-06-30 | 1.0116372136 | 0.8314426526 | 1.008675221 | 2.2350603 | 2.4122929 |
| ## 817 | 1980-09-30 | 1.0677687081 | 0.8733623582 | 1.067010521 | 2.2839255 | 2.4775737 |
| ## 818 | 1980-12-31 | 0.9830486256 | 0.8302948438 | 0.983938123 | 2.2379982 | 2.3916415 |
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| ## 826 | 1982-12-31 | 0.5718242880 | 0.6579353944 | 0.549097193 | 2.0415290 | 1.9326908 |
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| ## 830 | 1983-12-31 | 0.3716707258 | 0.5717303578 | 0.410338815 | 1.9518787 | 1.7904871 |
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| ## 839 | 1986-03-31 | 0.1918184511 | 0.3090914766 | 0.196131909 | 1.6795590 | 1.5665994 |
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| ## 842 | 1986-12-31 | 0.2569153680 | 0.3346628058 | 0.292386699 | 1.7207011 | 1.6784250 |
| ## 843 | 1987-03-31 | 0.2775699003 | 0.3194563695 | 0.324906901 | 1.7091149 | 1.7145654 |
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| ## 846 | 1987-12-31 | 0.3795317607 | 0.4189057867 | 0.468957730 | 1.7977827 | 1.8478347 |
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| ## 869 | 1993-09-30 | -0.0457902846 | 0.0730959066 | -0.012754873 | 1.4300716 | 1.3442208 |
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| ## 897 | 2000-09-30 | -0.4403248183 | -0.2809319585 | -0.449944897 | 1.0498656 | 0.8808526 |
| ## 898 | 2000-12-31 | -0.4376821727 | -0.2969424815 | -0.462949632 | 1.0337915 | 0.8677843 |
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| ## 908 | 1971-03-31 | -0.8251001767 | -0.6899826207 | -0.825100177 | 0.5287899 | 0.3936723 |
| ## 909 | 1971-06-30 | -0.7917019349 | -0.6587135262 | -0.791701935 | 0.5606338 | 0.4276454 |
| ## 910 | 1971-09-30 | -0.7953170074 | -0.6750493038 | -0.795317007 | 0.5478350 | 0.4275673 |
| ## 911 | 1971-12-31 | -0.7492344663 | -0.6530804466 | -0.749234466 | 0.5779217 | 0.4817677 |
| ## 912 | 1972-03-31 | -0.6647690714 | -0.5910337683 | -0.664769071 | 0.6456360 | 0.5719007 |
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| ## 922 | 1974-09-30 | 0.2622249708 | 0.1383104750 | 0.262224971 | 1.4582391 | 1.5821536 |
| ## 923 | 1974-12-31 | 0.3045659378 | 0.1637580279 | 0.304565938 | 1.5038009 | 1.6446088 |
| ## 924 | 1975-03-31 | 0.3187646446 | 0.1351490251 | 0.318764645 | 1.4683910 | 1.6520066 |
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| ## 926 | 1975-09-30 | 0.1142354657 | 0.0101694729 | 0.114235466 | 1.3267097 | 1.4307757 |
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| ## 930 | 1976-09-30 | -0.1441133121 | -0.2361598825 | -0.150625751 | 1.0309685 | 1.1165026 |
| ## 931 | 1976-12-31 | -0.0290732853 | -0.1333410380 | -0.028387659 | 1.1579612 | 1.2629145 |
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| ## 934 | 1977-09-30 | -0.0081563105 | -0.1087313120 | -0.002483361 | 1.1939317 | 1.3001796 |
| ## 935 | 1977-12-31 | 0.0595413988 | -0.0713714471 | 0.060582488 | 1.2386031 | 1.3705570 |
| ## 936 | 1978-03-31 | 0.1759301749 | 0.0156908589 | 0.171878184 | 1.3421846 | 1.4983719 |
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| ## 941 | 1979-06-30 | 0.4572833428 | 0.2559602864 | 0.442595194 | 1.5961487 | 1.7827836 |
| ## 942 | 1979-09-30 | 0.5825453128 | 0.3653802120 | 0.575184954 | 1.7234912 | 1.9332959 |
| ## 943 | 1979-12-31 | 0.7902633449 | 0.5775694049 | 0.782220992 | 1.9567859 | 2.1614375 |
| ## 944 | 1980-03-31 | 1.1170261192 | 0.9041230463 | 1.097482893 | 2.3008660 | 2.4942259 |
| ## 945 | 1980-06-30 | 1.0116372136 | 0.8314426526 | 1.008675221 | 2.2350603 | 2.4122929 |
| ## 946 | 1980-09-30 | 1.0677687081 | 0.8733623582 | 1.067010521 | 2.2839255 | 2.4775737 |

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| ## 947 | 1980-12-31 | 0.9830486256 | 0.8302948438 | 0.983938123 | 2.2379982 | 2.3916415 |
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| ## | 1033 | 1970-03-31 | -0.8508456382 | -0.7337607826 | -0.850845638 | 0.4554015 | 0.3383167 |
| ## | 1034 | 1970-06-30 | -0.8492141419 | -0.7286791112 | -0.849214142 | 0.4649249 | 0.3443899 |
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| ## | 1039 | 1971-09-30 | -0.7953170074 | -0.6750493038 | -0.795317007 | 0.5478350 | 0.4275673 |
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## 9      0.75  -0.25  -0.25      0      0      0      0 1972-03-31  0.75
## 10    -0.25   0.75  -0.25      0      0      0      0 1972-06-30 -0.25
## 11    -0.25  -0.25   0.75      0      0      0      0 1972-09-30 -0.25
## 12    -0.25  -0.25  -0.25      0      0      0      0 1972-12-31 -0.25
## 13     0.75  -0.25  -0.25      0      0      0      0 1973-03-31  0.75
## 14    -0.25   0.75  -0.25      0      0      0      0 1973-06-30 -0.25
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## 17     0.75  -0.25  -0.25      0      0      0      0 1974-03-31  0.75
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| ## 74 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1988-06-30 | -0.25 |
| ## 75 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1988-09-30 | -0.25 |
| ## 76 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1988-12-31 | -0.25 |
| ## 77 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1989-03-31 | 0.75 |
| ## 78 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1989-06-30 | -0.25 |
| ## 79 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1989-09-30 | -0.25 |
| ## 80 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1989-12-31 | -0.25 |
| ## 81 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1990-03-31 | 0.75 |
| ## 82 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1990-06-30 | -0.25 |
| ## 83 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1990-09-30 | -0.25 |
| ## 84 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1990-12-31 | -0.25 |
| ## 85 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1991-03-31 | 0.75 |
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| ## 87 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1991-09-30 | -0.25 |
| ## 88 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1991-12-31 | -0.25 |
| ## 89 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1992-03-31 | 0.75 |
| ## 90 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1992-06-30 | -0.25 |
| ## 91 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1992-09-30 | -0.25 |
| ## 92 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1992-12-31 | -0.25 |
| ## 93 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1993-03-31 | 0.75 |
| ## 94 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1993-06-30 | -0.25 |
| ## 95 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1993-09-30 | -0.25 |
| ## 96 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1993-12-31 | -0.25 |
| ## 97 | 0.75 | -0.25 | -0.25 | 0 | 0 | 1 | 0 | 1994-03-31 | 0.75 |
| ## 98 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1994-06-30 | -0.25 |
| ## 99 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1994-09-30 | -0.25 |

| | | | | | | | | |
|--------|-------|-------|-------|---|---|---|--------------|-------|
| ## 100 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1994-12-31 | -0.25 |
| ## 101 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1995-03-31 | 0.75 |
| ## 102 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1995-06-30 | -0.25 |
| ## 103 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1995-09-30 | -0.25 |
| ## 104 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1995-12-31 | -0.25 |
| ## 105 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1996-03-31 | 0.75 |
| ## 106 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1996-06-30 | -0.25 |
| ## 107 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1996-09-30 | -0.25 |
| ## 108 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1996-12-31 | -0.25 |
| ## 109 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1997-03-31 | 0.75 |
| ## 110 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1997-06-30 | -0.25 |
| ## 111 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1997-09-30 | -0.25 |
| ## 112 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1997-12-31 | -0.25 |
| ## 113 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1998-03-31 | 0.75 |
| ## 114 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1998-06-30 | -0.25 |
| ## 115 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1998-09-30 | -0.25 |
| ## 116 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1998-12-31 | -0.25 |
| ## 117 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1999-03-31 | 0.75 |
| ## 118 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1999-06-30 | -0.25 |
| ## 119 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1999-09-30 | -0.25 |
| ## 120 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1999-12-31 | -0.25 |
| ## 121 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 2000-03-31 | 0.75 |
| ## 122 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 2000-06-30 | -0.25 |
| ## 123 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 2000-09-30 | -0.25 |
| ## 124 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 2000-12-31 | -0.25 |
| ## 125 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 2001-03-31 | 0.75 |
| ## 126 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 2001-06-30 | -0.25 |
| ## 127 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 2001-09-30 | -0.25 |
| ## 128 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 2001-12-31 | -0.25 |
| ## 129 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 2002-03-31 | 0.75 |
| ## 130 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1970-03-31 | 0.75 |
| ## 131 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1970-06-30 | -0.25 |
| ## 132 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1970-09-30 | -0.25 |
| ## 133 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1970-12-31 | -0.25 |
| ## 134 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1971-03-31 | 0.75 |
| ## 135 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1971-06-30 | -0.25 |
| ## 136 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1971-09-30 | -0.25 |
| ## 137 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1971-12-31 | -0.25 |
| ## 138 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1972-03-31 | 0.75 |

| | | | | | | | | |
|--------|-------|-------|-------|---|---|---|--------------|-------|
| ## 139 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1972-06-30 | -0.25 |
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| ## 141 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1972-12-31 | -0.25 |
| ## 142 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1973-03-31 | 0.75 |
| ## 143 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1973-06-30 | -0.25 |
| ## 144 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1973-09-30 | -0.25 |
| ## 145 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1973-12-31 | -0.25 |
| ## 146 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1974-03-31 | 0.75 |
| ## 147 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1974-06-30 | -0.25 |
| ## 148 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1974-09-30 | -0.25 |
| ## 149 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1974-12-31 | -0.25 |
| ## 150 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1975-03-31 | 0.75 |
| ## 151 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1975-06-30 | -0.25 |
| ## 152 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1975-09-30 | -0.25 |
| ## 153 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1975-12-31 | -0.25 |
| ## 154 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1976-03-31 | 0.75 |
| ## 155 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1976-06-30 | -0.25 |
| ## 156 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1976-09-30 | -0.25 |
| ## 157 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1976-12-31 | -0.25 |
| ## 158 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1977-03-31 | 0.75 |
| ## 159 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1977-06-30 | -0.25 |
| ## 160 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1977-09-30 | -0.25 |
| ## 161 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1977-12-31 | -0.25 |
| ## 162 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1978-03-31 | 0.75 |
| ## 163 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1978-06-30 | -0.25 |
| ## 164 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1978-09-30 | -0.25 |
| ## 165 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1978-12-31 | -0.25 |
| ## 166 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1979-03-31 | 0.75 |
| ## 167 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1979-06-30 | -0.25 |
| ## 168 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1979-09-30 | -0.25 |
| ## 169 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1979-12-31 | -0.25 |
| ## 170 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1980-03-31 | 0.75 |
| ## 171 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1980-06-30 | -0.25 |
| ## 172 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1980-09-30 | -0.25 |
| ## 173 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1980-12-31 | -0.25 |
| ## 174 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1981-03-31 | 0.75 |
| ## 175 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1981-06-30 | -0.25 |
| ## 176 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1981-09-30 | -0.25 |
| ## 177 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1981-12-31 | -0.25 |

| | | | | | | | | | |
|--------|-------|-------|-------|----|---|---|---|------------|-------|
| ## 178 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1982-03-31 | 0.75 |
| ## 179 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1982-06-30 | -0.25 |
| ## 180 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1982-09-30 | -0.25 |
| ## 181 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1982-12-31 | -0.25 |
| ## 182 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1983-03-31 | 0.75 |
| ## 183 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1983-06-30 | -0.25 |
| ## 184 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1983-09-30 | -0.25 |
| ## 185 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1983-12-31 | -0.25 |
| ## 186 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 1 | 1984-03-31 | 0.75 |
| ## 187 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1984-06-30 | -0.25 |
| ## 188 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1984-09-30 | -0.25 |
| ## 189 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1984-12-31 | -0.25 |
| ## 190 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1985-03-31 | 0.75 |
| ## 191 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1985-06-30 | -0.25 |
| ## 192 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1985-09-30 | -0.25 |
| ## 193 | -0.25 | -0.25 | -0.25 | -1 | 0 | 0 | 0 | 1985-12-31 | -0.25 |
| ## 194 | 0.75 | -0.25 | -0.25 | 0 | 1 | 0 | 0 | 1986-03-31 | 0.75 |
| ## 195 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1986-06-30 | -0.25 |
| ## 196 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1986-09-30 | -0.25 |
| ## 197 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1986-12-31 | -0.25 |
| ## 198 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1987-03-31 | 0.75 |
| ## 199 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1987-06-30 | -0.25 |
| ## 200 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1987-09-30 | -0.25 |
| ## 201 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1987-12-31 | -0.25 |
| ## 202 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1988-03-31 | 0.75 |
| ## 203 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1988-06-30 | -0.25 |
| ## 204 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1988-09-30 | -0.25 |
| ## 205 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1988-12-31 | -0.25 |
| ## 206 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1989-03-31 | 0.75 |
| ## 207 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1989-06-30 | -0.25 |
| ## 208 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1989-09-30 | -0.25 |
| ## 209 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1989-12-31 | -0.25 |
| ## 210 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1990-03-31 | 0.75 |
| ## 211 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1990-06-30 | -0.25 |
| ## 212 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1990-09-30 | -0.25 |
| ## 213 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1990-12-31 | -0.25 |
| ## 214 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1991-03-31 | 0.75 |
| ## 215 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1991-06-30 | -0.25 |
| ## 216 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1991-09-30 | -0.25 |

| | | | | | | | | | |
|--------|-------|-------|-------|---|---|---|---|------------|-------|
| ## 217 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1991-12-31 | -0.25 |
| ## 218 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1992-03-31 | 0.75 |
| ## 219 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1992-06-30 | -0.25 |
| ## 220 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1992-09-30 | -0.25 |
| ## 221 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1992-12-31 | -0.25 |
| ## 222 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1993-03-31 | 0.75 |
| ## 223 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1993-06-30 | -0.25 |
| ## 224 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1993-09-30 | -0.25 |
| ## 225 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1993-12-31 | -0.25 |
| ## 226 | 0.75 | -0.25 | -0.25 | 0 | 0 | 1 | 0 | 1994-03-31 | 0.75 |
| ## 227 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1994-06-30 | -0.25 |
| ## 228 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1994-09-30 | -0.25 |
| ## 229 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1994-12-31 | -0.25 |
| ## 230 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1995-03-31 | 0.75 |
| ## 231 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1995-06-30 | -0.25 |
| ## 232 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1995-09-30 | -0.25 |
| ## 233 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1995-12-31 | -0.25 |
| ## 234 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1996-03-31 | 0.75 |
| ## 235 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1996-06-30 | -0.25 |
| ## 236 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1996-09-30 | -0.25 |
| ## 237 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1996-12-31 | -0.25 |
| ## 238 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1997-03-31 | 0.75 |
| ## 239 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1997-06-30 | -0.25 |
| ## 240 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1997-09-30 | -0.25 |
| ## 241 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1997-12-31 | -0.25 |
| ## 242 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1998-03-31 | 0.75 |
| ## 243 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1998-06-30 | -0.25 |
| ## 244 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1998-09-30 | -0.25 |
| ## 245 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1998-12-31 | -0.25 |
| ## 246 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1999-03-31 | 0.75 |
| ## 247 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1999-06-30 | -0.25 |
| ## 248 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1999-09-30 | -0.25 |
| ## 249 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1999-12-31 | -0.25 |
| ## 250 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 2000-03-31 | 0.75 |
| ## 251 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 2000-06-30 | -0.25 |
| ## 252 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 2000-09-30 | -0.25 |
| ## 253 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 2000-12-31 | -0.25 |
| ## 254 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 2001-03-31 | 0.75 |
| ## 255 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 2001-06-30 | -0.25 |

| | | | | | | | | | |
|--------|-------|-------|-------|---|---|---|---|------------|-------|
| ## 256 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 2001-09-30 | -0.25 |
| ## 257 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 2001-12-31 | -0.25 |
| ## 258 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 2002-03-31 | 0.75 |
| ## 259 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1970-03-31 | 0.75 |
| ## 260 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1970-06-30 | -0.25 |
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| ## 262 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1970-12-31 | -0.25 |
| ## 263 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1971-03-31 | 0.75 |
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| ## 268 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1972-06-30 | -0.25 |
| ## 269 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1972-09-30 | -0.25 |
| ## 270 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1972-12-31 | -0.25 |
| ## 271 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1973-03-31 | 0.75 |
| ## 272 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1973-06-30 | -0.25 |
| ## 273 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1973-09-30 | -0.25 |
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| ## 278 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1974-12-31 | -0.25 |
| ## 279 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1975-03-31 | 0.75 |
| ## 280 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1975-06-30 | -0.25 |
| ## 281 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1975-09-30 | -0.25 |
| ## 282 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1975-12-31 | -0.25 |
| ## 283 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1976-03-31 | 0.75 |
| ## 284 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1976-06-30 | -0.25 |
| ## 285 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1976-09-30 | -0.25 |
| ## 286 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1976-12-31 | -0.25 |
| ## 287 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1977-03-31 | 0.75 |
| ## 288 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1977-06-30 | -0.25 |
| ## 289 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1977-09-30 | -0.25 |
| ## 290 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1977-12-31 | -0.25 |
| ## 291 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1978-03-31 | 0.75 |
| ## 292 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1978-06-30 | -0.25 |
| ## 293 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1978-09-30 | -0.25 |
| ## 294 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1978-12-31 | -0.25 |

| | | | | | | | | | |
|--------|-------|-------|-------|----|---|---|---|------------|-------|
| ## 295 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1979-03-31 | 0.75 |
| ## 296 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1979-06-30 | -0.25 |
| ## 297 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1979-09-30 | -0.25 |
| ## 298 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1979-12-31 | -0.25 |
| ## 299 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1980-03-31 | 0.75 |
| ## 300 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1980-06-30 | -0.25 |
| ## 301 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1980-09-30 | -0.25 |
| ## 302 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1980-12-31 | -0.25 |
| ## 303 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1981-03-31 | 0.75 |
| ## 304 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1981-06-30 | -0.25 |
| ## 305 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1981-09-30 | -0.25 |
| ## 306 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1981-12-31 | -0.25 |
| ## 307 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1982-03-31 | 0.75 |
| ## 308 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1982-06-30 | -0.25 |
| ## 309 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1982-09-30 | -0.25 |
| ## 310 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1982-12-31 | -0.25 |
| ## 311 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1983-03-31 | 0.75 |
| ## 312 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1983-06-30 | -0.25 |
| ## 313 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1983-09-30 | -0.25 |
| ## 314 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1983-12-31 | -0.25 |
| ## 315 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 1 | 1984-03-31 | 0.75 |
| ## 316 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1984-06-30 | -0.25 |
| ## 317 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1984-09-30 | -0.25 |
| ## 318 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1984-12-31 | -0.25 |
| ## 319 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1985-03-31 | 0.75 |
| ## 320 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1985-06-30 | -0.25 |
| ## 321 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1985-09-30 | -0.25 |
| ## 322 | -0.25 | -0.25 | -0.25 | -1 | 0 | 0 | 0 | 1985-12-31 | -0.25 |
| ## 323 | 0.75 | -0.25 | -0.25 | 0 | 1 | 0 | 0 | 1986-03-31 | 0.75 |
| ## 324 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1986-06-30 | -0.25 |
| ## 325 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1986-09-30 | -0.25 |
| ## 326 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1986-12-31 | -0.25 |
| ## 327 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1987-03-31 | 0.75 |
| ## 328 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1987-06-30 | -0.25 |
| ## 329 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1987-09-30 | -0.25 |
| ## 330 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1987-12-31 | -0.25 |
| ## 331 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1988-03-31 | 0.75 |
| ## 332 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1988-06-30 | -0.25 |
| ## 333 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1988-09-30 | -0.25 |

| | | | | | | | | |
|--------|-------|-------|-------|---|---|---|--------------|-------|
| ## 334 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1988-12-31 | -0.25 |
| ## 335 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1989-03-31 | 0.75 |
| ## 336 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1989-06-30 | -0.25 |
| ## 337 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1989-09-30 | -0.25 |
| ## 338 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1989-12-31 | -0.25 |
| ## 339 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1990-03-31 | 0.75 |
| ## 340 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1990-06-30 | -0.25 |
| ## 341 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1990-09-30 | -0.25 |
| ## 342 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1990-12-31 | -0.25 |
| ## 343 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1991-03-31 | 0.75 |
| ## 344 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1991-06-30 | -0.25 |
| ## 345 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1991-09-30 | -0.25 |
| ## 346 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1991-12-31 | -0.25 |
| ## 347 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1992-03-31 | 0.75 |
| ## 348 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1992-06-30 | -0.25 |
| ## 349 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1992-09-30 | -0.25 |
| ## 350 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1992-12-31 | -0.25 |
| ## 351 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1993-03-31 | 0.75 |
| ## 352 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1993-06-30 | -0.25 |
| ## 353 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1993-09-30 | -0.25 |
| ## 354 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1993-12-31 | -0.25 |
| ## 355 | 0.75 | -0.25 | -0.25 | 0 | 0 | 1 | 0 1994-03-31 | 0.75 |
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| ## 357 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1994-09-30 | -0.25 |
| ## 358 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1994-12-31 | -0.25 |
| ## 359 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1995-03-31 | 0.75 |
| ## 360 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1995-06-30 | -0.25 |
| ## 361 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1995-09-30 | -0.25 |
| ## 362 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1995-12-31 | -0.25 |
| ## 363 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1996-03-31 | 0.75 |
| ## 364 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1996-06-30 | -0.25 |
| ## 365 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1996-09-30 | -0.25 |
| ## 366 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1996-12-31 | -0.25 |
| ## 367 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1997-03-31 | 0.75 |
| ## 368 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1997-06-30 | -0.25 |
| ## 369 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1997-09-30 | -0.25 |
| ## 370 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1997-12-31 | -0.25 |
| ## 371 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1998-03-31 | 0.75 |
| ## 372 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1998-06-30 | -0.25 |

| | | | | | | | | |
|--------|-------|-------|-------|---|---|---|--------------|-------|
| ## 373 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1998-09-30 | -0.25 |
| ## 374 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1998-12-31 | -0.25 |
| ## 375 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1999-03-31 | 0.75 |
| ## 376 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1999-06-30 | -0.25 |
| ## 377 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1999-09-30 | -0.25 |
| ## 378 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1999-12-31 | -0.25 |
| ## 379 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 2000-03-31 | 0.75 |
| ## 380 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 2000-06-30 | -0.25 |
| ## 381 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 2000-09-30 | -0.25 |
| ## 382 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 2000-12-31 | -0.25 |
| ## 383 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 2001-03-31 | 0.75 |
| ## 384 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 2001-06-30 | -0.25 |
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| ## 386 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 2001-12-31 | -0.25 |
| ## 387 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 2002-03-31 | 0.75 |
| ## 388 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1970-03-31 | 0.75 |
| ## 389 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1970-06-30 | -0.25 |
| ## 390 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1970-09-30 | -0.25 |
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| ## 392 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1971-03-31 | 0.75 |
| ## 393 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1971-06-30 | -0.25 |
| ## 394 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1971-09-30 | -0.25 |
| ## 395 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1971-12-31 | -0.25 |
| ## 396 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1972-03-31 | 0.75 |
| ## 397 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1972-06-30 | -0.25 |
| ## 398 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1972-09-30 | -0.25 |
| ## 399 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1972-12-31 | -0.25 |
| ## 400 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1973-03-31 | 0.75 |
| ## 401 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1973-06-30 | -0.25 |
| ## 402 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1973-09-30 | -0.25 |
| ## 403 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1973-12-31 | -0.25 |
| ## 404 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1974-03-31 | 0.75 |
| ## 405 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1974-06-30 | -0.25 |
| ## 406 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1974-09-30 | -0.25 |
| ## 407 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1974-12-31 | -0.25 |
| ## 408 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1975-03-31 | 0.75 |
| ## 409 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1975-06-30 | -0.25 |
| ## 410 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1975-09-30 | -0.25 |
| ## 411 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1975-12-31 | -0.25 |

| | | | | | | | | | |
|--------|-------|-------|-------|---|---|---|---|------------|-------|
| ## 412 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1976-03-31 | 0.75 |
| ## 413 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1976-06-30 | -0.25 |
| ## 414 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1976-09-30 | -0.25 |
| ## 415 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1976-12-31 | -0.25 |
| ## 416 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1977-03-31 | 0.75 |
| ## 417 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1977-06-30 | -0.25 |
| ## 418 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1977-09-30 | -0.25 |
| ## 419 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1977-12-31 | -0.25 |
| ## 420 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1978-03-31 | 0.75 |
| ## 421 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1978-06-30 | -0.25 |
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| ## 423 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1978-12-31 | -0.25 |
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| ## 429 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1980-06-30 | -0.25 |
| ## 430 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1980-09-30 | -0.25 |
| ## 431 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1980-12-31 | -0.25 |
| ## 432 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1981-03-31 | 0.75 |
| ## 433 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1981-06-30 | -0.25 |
| ## 434 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1981-09-30 | -0.25 |
| ## 435 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1981-12-31 | -0.25 |
| ## 436 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1982-03-31 | 0.75 |
| ## 437 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1982-06-30 | -0.25 |
| ## 438 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1982-09-30 | -0.25 |
| ## 439 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1982-12-31 | -0.25 |
| ## 440 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1983-03-31 | 0.75 |
| ## 441 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1983-06-30 | -0.25 |
| ## 442 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1983-09-30 | -0.25 |
| ## 443 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1983-12-31 | -0.25 |
| ## 444 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 1 | 1984-03-31 | 0.75 |
| ## 445 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1984-06-30 | -0.25 |
| ## 446 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1984-09-30 | -0.25 |
| ## 447 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1984-12-31 | -0.25 |
| ## 448 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1985-03-31 | 0.75 |
| ## 449 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1985-06-30 | -0.25 |
| ## 450 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1985-09-30 | -0.25 |

| | | | | | | | | | |
|--------|-------|-------|-------|----|---|---|---|------------|-------|
| ## 451 | -0.25 | -0.25 | -0.25 | -1 | 0 | 0 | 0 | 1985-12-31 | -0.25 |
| ## 452 | 0.75 | -0.25 | -0.25 | 0 | 1 | 0 | 0 | 1986-03-31 | 0.75 |
| ## 453 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1986-06-30 | -0.25 |
| ## 454 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1986-09-30 | -0.25 |
| ## 455 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1986-12-31 | -0.25 |
| ## 456 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1987-03-31 | 0.75 |
| ## 457 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1987-06-30 | -0.25 |
| ## 458 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1987-09-30 | -0.25 |
| ## 459 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1987-12-31 | -0.25 |
| ## 460 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1988-03-31 | 0.75 |
| ## 461 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1988-06-30 | -0.25 |
| ## 462 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1988-09-30 | -0.25 |
| ## 463 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1988-12-31 | -0.25 |
| ## 464 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1989-03-31 | 0.75 |
| ## 465 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1989-06-30 | -0.25 |
| ## 466 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1989-09-30 | -0.25 |
| ## 467 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1989-12-31 | -0.25 |
| ## 468 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1990-03-31 | 0.75 |
| ## 469 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1990-06-30 | -0.25 |
| ## 470 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1990-09-30 | -0.25 |
| ## 471 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1990-12-31 | -0.25 |
| ## 472 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1991-03-31 | 0.75 |
| ## 473 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1991-06-30 | -0.25 |
| ## 474 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1991-09-30 | -0.25 |
| ## 475 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1991-12-31 | -0.25 |
| ## 476 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1992-03-31 | 0.75 |
| ## 477 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1992-06-30 | -0.25 |
| ## 478 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1992-09-30 | -0.25 |
| ## 479 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1992-12-31 | -0.25 |
| ## 480 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1993-03-31 | 0.75 |
| ## 481 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1993-06-30 | -0.25 |
| ## 482 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1993-09-30 | -0.25 |
| ## 483 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1993-12-31 | -0.25 |
| ## 484 | 0.75 | -0.25 | -0.25 | 0 | 0 | 1 | 0 | 1994-03-31 | 0.75 |
| ## 485 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1994-06-30 | -0.25 |
| ## 486 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1994-09-30 | -0.25 |
| ## 487 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1994-12-31 | -0.25 |
| ## 488 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1995-03-31 | 0.75 |
| ## 489 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1995-06-30 | -0.25 |

| | | | | | | | | |
|--------|-------|-------|-------|---|---|---|--------------|-------|
| ## 490 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1995-09-30 | -0.25 |
| ## 491 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1995-12-31 | -0.25 |
| ## 492 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1996-03-31 | 0.75 |
| ## 493 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1996-06-30 | -0.25 |
| ## 494 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1996-09-30 | -0.25 |
| ## 495 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1996-12-31 | -0.25 |
| ## 496 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1997-03-31 | 0.75 |
| ## 497 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1997-06-30 | -0.25 |
| ## 498 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1997-09-30 | -0.25 |
| ## 499 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1997-12-31 | -0.25 |
| ## 500 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1998-03-31 | 0.75 |
| ## 501 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1998-06-30 | -0.25 |
| ## 502 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1998-09-30 | -0.25 |
| ## 503 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1998-12-31 | -0.25 |
| ## 504 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1999-03-31 | 0.75 |
| ## 505 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1999-06-30 | -0.25 |
| ## 506 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1999-09-30 | -0.25 |
| ## 507 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1999-12-31 | -0.25 |
| ## 508 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 2000-03-31 | 0.75 |
| ## 509 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 2000-06-30 | -0.25 |
| ## 510 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 2000-09-30 | -0.25 |
| ## 511 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 2000-12-31 | -0.25 |
| ## 512 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 2001-03-31 | 0.75 |
| ## 513 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 2001-06-30 | -0.25 |
| ## 514 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 2001-09-30 | -0.25 |
| ## 515 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 2001-12-31 | -0.25 |
| ## 516 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 2002-03-31 | 0.75 |
| ## 517 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1970-03-31 | 0.75 |
| ## 518 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1970-06-30 | -0.25 |
| ## 519 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1970-09-30 | -0.25 |
| ## 520 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1970-12-31 | -0.25 |
| ## 521 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1971-03-31 | 0.75 |
| ## 522 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1971-06-30 | -0.25 |
| ## 523 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1971-09-30 | -0.25 |
| ## 524 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1971-12-31 | -0.25 |
| ## 525 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1972-03-31 | 0.75 |
| ## 526 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1972-06-30 | -0.25 |
| ## 527 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1972-09-30 | -0.25 |
| ## 528 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1972-12-31 | -0.25 |

| | | | | | | | | |
|--------|-------|-------|-------|---|---|---|--------------|-------|
| ## 529 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1973-03-31 | 0.75 |
| ## 530 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1973-06-30 | -0.25 |
| ## 531 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1973-09-30 | -0.25 |
| ## 532 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1973-12-31 | -0.25 |
| ## 533 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1974-03-31 | 0.75 |
| ## 534 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1974-06-30 | -0.25 |
| ## 535 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1974-09-30 | -0.25 |
| ## 536 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1974-12-31 | -0.25 |
| ## 537 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1975-03-31 | 0.75 |
| ## 538 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1975-06-30 | -0.25 |
| ## 539 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1975-09-30 | -0.25 |
| ## 540 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1975-12-31 | -0.25 |
| ## 541 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1976-03-31 | 0.75 |
| ## 542 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1976-06-30 | -0.25 |
| ## 543 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1976-09-30 | -0.25 |
| ## 544 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1976-12-31 | -0.25 |
| ## 545 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1977-03-31 | 0.75 |
| ## 546 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1977-06-30 | -0.25 |
| ## 547 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1977-09-30 | -0.25 |
| ## 548 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1977-12-31 | -0.25 |
| ## 549 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1978-03-31 | 0.75 |
| ## 550 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1978-06-30 | -0.25 |
| ## 551 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1978-09-30 | -0.25 |
| ## 552 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1978-12-31 | -0.25 |
| ## 553 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1979-03-31 | 0.75 |
| ## 554 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1979-06-30 | -0.25 |
| ## 555 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1979-09-30 | -0.25 |
| ## 556 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1979-12-31 | -0.25 |
| ## 557 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1980-03-31 | 0.75 |
| ## 558 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1980-06-30 | -0.25 |
| ## 559 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1980-09-30 | -0.25 |
| ## 560 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1980-12-31 | -0.25 |
| ## 561 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1981-03-31 | 0.75 |
| ## 562 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1981-06-30 | -0.25 |
| ## 563 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1981-09-30 | -0.25 |
| ## 564 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1981-12-31 | -0.25 |
| ## 565 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1982-03-31 | 0.75 |
| ## 566 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1982-06-30 | -0.25 |
| ## 567 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1982-09-30 | -0.25 |

| | | | | | | | | | |
|--------|-------|-------|-------|----|---|---|---|------------|-------|
| ## 568 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1982-12-31 | -0.25 |
| ## 569 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1983-03-31 | 0.75 |
| ## 570 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1983-06-30 | -0.25 |
| ## 571 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1983-09-30 | -0.25 |
| ## 572 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1983-12-31 | -0.25 |
| ## 573 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 1 | 1984-03-31 | 0.75 |
| ## 574 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1984-06-30 | -0.25 |
| ## 575 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1984-09-30 | -0.25 |
| ## 576 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1984-12-31 | -0.25 |
| ## 577 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1985-03-31 | 0.75 |
| ## 578 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1985-06-30 | -0.25 |
| ## 579 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1985-09-30 | -0.25 |
| ## 580 | -0.25 | -0.25 | -0.25 | -1 | 0 | 0 | 0 | 1985-12-31 | -0.25 |
| ## 581 | 0.75 | -0.25 | -0.25 | 0 | 1 | 0 | 0 | 1986-03-31 | 0.75 |
| ## 582 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1986-06-30 | -0.25 |
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| ## 584 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1986-12-31 | -0.25 |
| ## 585 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1987-03-31 | 0.75 |
| ## 586 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1987-06-30 | -0.25 |
| ## 587 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1987-09-30 | -0.25 |
| ## 588 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1987-12-31 | -0.25 |
| ## 589 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1988-03-31 | 0.75 |
| ## 590 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1988-06-30 | -0.25 |
| ## 591 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1988-09-30 | -0.25 |
| ## 592 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1988-12-31 | -0.25 |
| ## 593 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1989-03-31 | 0.75 |
| ## 594 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1989-06-30 | -0.25 |
| ## 595 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1989-09-30 | -0.25 |
| ## 596 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1989-12-31 | -0.25 |
| ## 597 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1990-03-31 | 0.75 |
| ## 598 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1990-06-30 | -0.25 |
| ## 599 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1990-09-30 | -0.25 |
| ## 600 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1990-12-31 | -0.25 |
| ## 601 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1991-03-31 | 0.75 |
| ## 602 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1991-06-30 | -0.25 |
| ## 603 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1991-09-30 | -0.25 |
| ## 604 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1991-12-31 | -0.25 |
| ## 605 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1992-03-31 | 0.75 |
| ## 606 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1992-06-30 | -0.25 |

| | | | | | | | | | |
|--------|-------|-------|-------|---|---|---|---|------------|-------|
| ## 607 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1992-09-30 | -0.25 |
| ## 608 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1992-12-31 | -0.25 |
| ## 609 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1993-03-31 | 0.75 |
| ## 610 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1993-06-30 | -0.25 |
| ## 611 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1993-09-30 | -0.25 |
| ## 612 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1993-12-31 | -0.25 |
| ## 613 | 0.75 | -0.25 | -0.25 | 0 | 0 | 1 | 0 | 1994-03-31 | 0.75 |
| ## 614 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1994-06-30 | -0.25 |
| ## 615 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1994-09-30 | -0.25 |
| ## 616 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1994-12-31 | -0.25 |
| ## 617 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1995-03-31 | 0.75 |
| ## 618 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1995-06-30 | -0.25 |
| ## 619 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1995-09-30 | -0.25 |
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| ## 621 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1996-03-31 | 0.75 |
| ## 622 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1996-06-30 | -0.25 |
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| ## 624 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1996-12-31 | -0.25 |
| ## 625 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1997-03-31 | 0.75 |
| ## 626 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1997-06-30 | -0.25 |
| ## 627 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1997-09-30 | -0.25 |
| ## 628 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1997-12-31 | -0.25 |
| ## 629 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1998-03-31 | 0.75 |
| ## 630 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1998-06-30 | -0.25 |
| ## 631 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1998-09-30 | -0.25 |
| ## 632 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1998-12-31 | -0.25 |
| ## 633 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1999-03-31 | 0.75 |
| ## 634 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1999-06-30 | -0.25 |
| ## 635 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1999-09-30 | -0.25 |
| ## 636 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1999-12-31 | -0.25 |
| ## 637 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 2000-03-31 | 0.75 |
| ## 638 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 2000-06-30 | -0.25 |
| ## 639 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 2000-09-30 | -0.25 |
| ## 640 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 2000-12-31 | -0.25 |
| ## 641 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 2001-03-31 | 0.75 |
| ## 642 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 2001-06-30 | -0.25 |
| ## 643 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 2001-09-30 | -0.25 |
| ## 644 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 2001-12-31 | -0.25 |
| ## 645 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 2002-03-31 | 0.75 |

| | | | | | | | | |
|--------|-------|-------|-------|---|---|---|--------------|-------|
| ## 646 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1970-03-31 | 0.75 |
| ## 647 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1970-06-30 | -0.25 |
| ## 648 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1970-09-30 | -0.25 |
| ## 649 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1970-12-31 | -0.25 |
| ## 650 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1971-03-31 | 0.75 |
| ## 651 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1971-06-30 | -0.25 |
| ## 652 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1971-09-30 | -0.25 |
| ## 653 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1971-12-31 | -0.25 |
| ## 654 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1972-03-31 | 0.75 |
| ## 655 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1972-06-30 | -0.25 |
| ## 656 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1972-09-30 | -0.25 |
| ## 657 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1972-12-31 | -0.25 |
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| ## 659 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1973-06-30 | -0.25 |
| ## 660 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1973-09-30 | -0.25 |
| ## 661 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1973-12-31 | -0.25 |
| ## 662 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1974-03-31 | 0.75 |
| ## 663 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1974-06-30 | -0.25 |
| ## 664 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1974-09-30 | -0.25 |
| ## 665 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1974-12-31 | -0.25 |
| ## 666 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1975-03-31 | 0.75 |
| ## 667 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1975-06-30 | -0.25 |
| ## 668 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1975-09-30 | -0.25 |
| ## 669 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1975-12-31 | -0.25 |
| ## 670 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1976-03-31 | 0.75 |
| ## 671 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1976-06-30 | -0.25 |
| ## 672 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1976-09-30 | -0.25 |
| ## 673 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1976-12-31 | -0.25 |
| ## 674 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1977-03-31 | 0.75 |
| ## 675 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1977-06-30 | -0.25 |
| ## 676 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1977-09-30 | -0.25 |
| ## 677 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1977-12-31 | -0.25 |
| ## 678 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1978-03-31 | 0.75 |
| ## 679 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1978-06-30 | -0.25 |
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| ## 681 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1978-12-31 | -0.25 |
| ## 682 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1979-03-31 | 0.75 |
| ## 683 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1979-06-30 | -0.25 |
| ## 684 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1979-09-30 | -0.25 |

| | | | | | | | | | |
|--------|-------|-------|-------|----|---|---|---|------------|-------|
| ## 685 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1979-12-31 | -0.25 |
| ## 686 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1980-03-31 | 0.75 |
| ## 687 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1980-06-30 | -0.25 |
| ## 688 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1980-09-30 | -0.25 |
| ## 689 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1980-12-31 | -0.25 |
| ## 690 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1981-03-31 | 0.75 |
| ## 691 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1981-06-30 | -0.25 |
| ## 692 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1981-09-30 | -0.25 |
| ## 693 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1981-12-31 | -0.25 |
| ## 694 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1982-03-31 | 0.75 |
| ## 695 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1982-06-30 | -0.25 |
| ## 696 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1982-09-30 | -0.25 |
| ## 697 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1982-12-31 | -0.25 |
| ## 698 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1983-03-31 | 0.75 |
| ## 699 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1983-06-30 | -0.25 |
| ## 700 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1983-09-30 | -0.25 |
| ## 701 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1983-12-31 | -0.25 |
| ## 702 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 1 | 1984-03-31 | 0.75 |
| ## 703 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1984-06-30 | -0.25 |
| ## 704 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1984-09-30 | -0.25 |
| ## 705 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1984-12-31 | -0.25 |
| ## 706 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1985-03-31 | 0.75 |
| ## 707 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1985-06-30 | -0.25 |
| ## 708 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1985-09-30 | -0.25 |
| ## 709 | -0.25 | -0.25 | -0.25 | -1 | 0 | 0 | 0 | 1985-12-31 | -0.25 |
| ## 710 | 0.75 | -0.25 | -0.25 | 0 | 1 | 0 | 0 | 1986-03-31 | 0.75 |
| ## 711 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1986-06-30 | -0.25 |
| ## 712 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1986-09-30 | -0.25 |
| ## 713 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1986-12-31 | -0.25 |
| ## 714 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1987-03-31 | 0.75 |
| ## 715 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1987-06-30 | -0.25 |
| ## 716 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1987-09-30 | -0.25 |
| ## 717 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1987-12-31 | -0.25 |
| ## 718 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1988-03-31 | 0.75 |
| ## 719 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1988-06-30 | -0.25 |
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| ## 721 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1988-12-31 | -0.25 |
| ## 722 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1989-03-31 | 0.75 |
| ## 723 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1989-06-30 | -0.25 |

| | | | | | | | | | |
|--------|-------|-------|-------|---|---|---|---|------------|-------|
| ## 724 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1989-09-30 | -0.25 |
| ## 725 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1989-12-31 | -0.25 |
| ## 726 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1990-03-31 | 0.75 |
| ## 727 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1990-06-30 | -0.25 |
| ## 728 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1990-09-30 | -0.25 |
| ## 729 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1990-12-31 | -0.25 |
| ## 730 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1991-03-31 | 0.75 |
| ## 731 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1991-06-30 | -0.25 |
| ## 732 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1991-09-30 | -0.25 |
| ## 733 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1991-12-31 | -0.25 |
| ## 734 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1992-03-31 | 0.75 |
| ## 735 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1992-06-30 | -0.25 |
| ## 736 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1992-09-30 | -0.25 |
| ## 737 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1992-12-31 | -0.25 |
| ## 738 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1993-03-31 | 0.75 |
| ## 739 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1993-06-30 | -0.25 |
| ## 740 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1993-09-30 | -0.25 |
| ## 741 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1993-12-31 | -0.25 |
| ## 742 | 0.75 | -0.25 | -0.25 | 0 | 0 | 1 | 0 | 1994-03-31 | 0.75 |
| ## 743 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1994-06-30 | -0.25 |
| ## 744 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1994-09-30 | -0.25 |
| ## 745 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1994-12-31 | -0.25 |
| ## 746 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1995-03-31 | 0.75 |
| ## 747 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1995-06-30 | -0.25 |
| ## 748 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1995-09-30 | -0.25 |
| ## 749 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1995-12-31 | -0.25 |
| ## 750 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1996-03-31 | 0.75 |
| ## 751 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1996-06-30 | -0.25 |
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| ## 753 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1996-12-31 | -0.25 |
| ## 754 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1997-03-31 | 0.75 |
| ## 755 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1997-06-30 | -0.25 |
| ## 756 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1997-09-30 | -0.25 |
| ## 757 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1997-12-31 | -0.25 |
| ## 758 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1998-03-31 | 0.75 |
| ## 759 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1998-06-30 | -0.25 |
| ## 760 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1998-09-30 | -0.25 |
| ## 761 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1998-12-31 | -0.25 |
| ## 762 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1999-03-31 | 0.75 |

| | | | | | | | | |
|--------|-------|-------|-------|---|---|---|--------------|-------|
| ## 763 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1999-06-30 | -0.25 |
| ## 764 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1999-09-30 | -0.25 |
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| ## 770 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 2001-03-31 | 0.75 |
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| ## 774 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 2002-03-31 | 0.75 |
| ## 775 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1970-03-31 | 0.75 |
| ## 776 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1970-06-30 | -0.25 |
| ## 777 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1970-09-30 | -0.25 |
| ## 778 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1970-12-31 | -0.25 |
| ## 779 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1971-03-31 | 0.75 |
| ## 780 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1971-06-30 | -0.25 |
| ## 781 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1971-09-30 | -0.25 |
| ## 782 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1971-12-31 | -0.25 |
| ## 783 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1972-03-31 | 0.75 |
| ## 784 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1972-06-30 | -0.25 |
| ## 785 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1972-09-30 | -0.25 |
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| ## 787 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1973-03-31 | 0.75 |
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| ## 789 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1973-09-30 | -0.25 |
| ## 790 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1973-12-31 | -0.25 |
| ## 791 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1974-03-31 | 0.75 |
| ## 792 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1974-06-30 | -0.25 |
| ## 793 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1974-09-30 | -0.25 |
| ## 794 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1974-12-31 | -0.25 |
| ## 795 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1975-03-31 | 0.75 |
| ## 796 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1975-06-30 | -0.25 |
| ## 797 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1975-09-30 | -0.25 |
| ## 798 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1975-12-31 | -0.25 |
| ## 799 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1976-03-31 | 0.75 |
| ## 800 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1976-06-30 | -0.25 |
| ## 801 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1976-09-30 | -0.25 |

| | | | | | | | | |
|--------|-------|-------|-------|----|---|---|--------------|-------|
| ## 802 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1976-12-31 | -0.25 |
| ## 803 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1977-03-31 | 0.75 |
| ## 804 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1977-06-30 | -0.25 |
| ## 805 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1977-09-30 | -0.25 |
| ## 806 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1977-12-31 | -0.25 |
| ## 807 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1978-03-31 | 0.75 |
| ## 808 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1978-06-30 | -0.25 |
| ## 809 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1978-09-30 | -0.25 |
| ## 810 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1978-12-31 | -0.25 |
| ## 811 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1979-03-31 | 0.75 |
| ## 812 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1979-06-30 | -0.25 |
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| ## 814 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1979-12-31 | -0.25 |
| ## 815 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1980-03-31 | 0.75 |
| ## 816 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1980-06-30 | -0.25 |
| ## 817 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1980-09-30 | -0.25 |
| ## 818 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1980-12-31 | -0.25 |
| ## 819 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1981-03-31 | 0.75 |
| ## 820 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1981-06-30 | -0.25 |
| ## 821 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1981-09-30 | -0.25 |
| ## 822 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1981-12-31 | -0.25 |
| ## 823 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1982-03-31 | 0.75 |
| ## 824 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1982-06-30 | -0.25 |
| ## 825 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1982-09-30 | -0.25 |
| ## 826 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1982-12-31 | -0.25 |
| ## 827 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1983-03-31 | 0.75 |
| ## 828 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1983-06-30 | -0.25 |
| ## 829 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1983-09-30 | -0.25 |
| ## 830 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1983-12-31 | -0.25 |
| ## 831 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 1 1984-03-31 | 0.75 |
| ## 832 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1984-06-30 | -0.25 |
| ## 833 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1984-09-30 | -0.25 |
| ## 834 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1984-12-31 | -0.25 |
| ## 835 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1985-03-31 | 0.75 |
| ## 836 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1985-06-30 | -0.25 |
| ## 837 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1985-09-30 | -0.25 |
| ## 838 | -0.25 | -0.25 | -0.25 | -1 | 0 | 0 | 0 1985-12-31 | -0.25 |
| ## 839 | 0.75 | -0.25 | -0.25 | 0 | 1 | 0 | 0 1986-03-31 | 0.75 |
| ## 840 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1986-06-30 | -0.25 |

| | | | | | | | | | |
|--------|-------|-------|-------|---|---|---|---|------------|-------|
| ## 841 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1986-09-30 | -0.25 |
| ## 842 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1986-12-31 | -0.25 |
| ## 843 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1987-03-31 | 0.75 |
| ## 844 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1987-06-30 | -0.25 |
| ## 845 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1987-09-30 | -0.25 |
| ## 846 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1987-12-31 | -0.25 |
| ## 847 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1988-03-31 | 0.75 |
| ## 848 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1988-06-30 | -0.25 |
| ## 849 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1988-09-30 | -0.25 |
| ## 850 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1988-12-31 | -0.25 |
| ## 851 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1989-03-31 | 0.75 |
| ## 852 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1989-06-30 | -0.25 |
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| ## 854 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1989-12-31 | -0.25 |
| ## 855 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1990-03-31 | 0.75 |
| ## 856 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1990-06-30 | -0.25 |
| ## 857 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1990-09-30 | -0.25 |
| ## 858 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1990-12-31 | -0.25 |
| ## 859 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1991-03-31 | 0.75 |
| ## 860 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1991-06-30 | -0.25 |
| ## 861 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1991-09-30 | -0.25 |
| ## 862 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1991-12-31 | -0.25 |
| ## 863 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1992-03-31 | 0.75 |
| ## 864 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1992-06-30 | -0.25 |
| ## 865 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1992-09-30 | -0.25 |
| ## 866 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1992-12-31 | -0.25 |
| ## 867 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1993-03-31 | 0.75 |
| ## 868 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1993-06-30 | -0.25 |
| ## 869 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1993-09-30 | -0.25 |
| ## 870 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1993-12-31 | -0.25 |
| ## 871 | 0.75 | -0.25 | -0.25 | 0 | 0 | 1 | 0 | 1994-03-31 | 0.75 |
| ## 872 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1994-06-30 | -0.25 |
| ## 873 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1994-09-30 | -0.25 |
| ## 874 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1994-12-31 | -0.25 |
| ## 875 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1995-03-31 | 0.75 |
| ## 876 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1995-06-30 | -0.25 |
| ## 877 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1995-09-30 | -0.25 |
| ## 878 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1995-12-31 | -0.25 |
| ## 879 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1996-03-31 | 0.75 |

| | | | | | | | | |
|--------|-------|-------|-------|---|---|---|--------------|-------|
| ## 880 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1996-06-30 | -0.25 |
| ## 881 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1996-09-30 | -0.25 |
| ## 882 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1996-12-31 | -0.25 |
| ## 883 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1997-03-31 | 0.75 |
| ## 884 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1997-06-30 | -0.25 |
| ## 885 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1997-09-30 | -0.25 |
| ## 886 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1997-12-31 | -0.25 |
| ## 887 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1998-03-31 | 0.75 |
| ## 888 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1998-06-30 | -0.25 |
| ## 889 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1998-09-30 | -0.25 |
| ## 890 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1998-12-31 | -0.25 |
| ## 891 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1999-03-31 | 0.75 |
| ## 892 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1999-06-30 | -0.25 |
| ## 893 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1999-09-30 | -0.25 |
| ## 894 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1999-12-31 | -0.25 |
| ## 895 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 2000-03-31 | 0.75 |
| ## 896 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 2000-06-30 | -0.25 |
| ## 897 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 2000-09-30 | -0.25 |
| ## 898 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 2000-12-31 | -0.25 |
| ## 899 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 2001-03-31 | 0.75 |
| ## 900 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 2001-06-30 | -0.25 |
| ## 901 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 2001-09-30 | -0.25 |
| ## 902 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 2001-12-31 | -0.25 |
| ## 903 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 2002-03-31 | 0.75 |
| ## 904 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1970-03-31 | 0.75 |
| ## 905 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1970-06-30 | -0.25 |
| ## 906 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1970-09-30 | -0.25 |
| ## 907 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1970-12-31 | -0.25 |
| ## 908 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1971-03-31 | 0.75 |
| ## 909 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1971-06-30 | -0.25 |
| ## 910 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1971-09-30 | -0.25 |
| ## 911 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1971-12-31 | -0.25 |
| ## 912 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1972-03-31 | 0.75 |
| ## 913 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1972-06-30 | -0.25 |
| ## 914 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1972-09-30 | -0.25 |
| ## 915 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1972-12-31 | -0.25 |
| ## 916 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1973-03-31 | 0.75 |
| ## 917 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1973-06-30 | -0.25 |
| ## 918 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1973-09-30 | -0.25 |

| | | | | | | | | |
|--------|-------|-------|-------|---|---|---|--------------|-------|
| ## 919 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1973-12-31 | -0.25 |
| ## 920 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1974-03-31 | 0.75 |
| ## 921 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1974-06-30 | -0.25 |
| ## 922 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1974-09-30 | -0.25 |
| ## 923 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1974-12-31 | -0.25 |
| ## 924 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1975-03-31 | 0.75 |
| ## 925 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1975-06-30 | -0.25 |
| ## 926 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1975-09-30 | -0.25 |
| ## 927 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1975-12-31 | -0.25 |
| ## 928 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1976-03-31 | 0.75 |
| ## 929 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1976-06-30 | -0.25 |
| ## 930 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1976-09-30 | -0.25 |
| ## 931 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1976-12-31 | -0.25 |
| ## 932 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1977-03-31 | 0.75 |
| ## 933 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1977-06-30 | -0.25 |
| ## 934 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1977-09-30 | -0.25 |
| ## 935 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1977-12-31 | -0.25 |
| ## 936 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1978-03-31 | 0.75 |
| ## 937 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1978-06-30 | -0.25 |
| ## 938 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1978-09-30 | -0.25 |
| ## 939 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1978-12-31 | -0.25 |
| ## 940 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1979-03-31 | 0.75 |
| ## 941 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1979-06-30 | -0.25 |
| ## 942 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1979-09-30 | -0.25 |
| ## 943 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1979-12-31 | -0.25 |
| ## 944 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1980-03-31 | 0.75 |
| ## 945 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1980-06-30 | -0.25 |
| ## 946 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1980-09-30 | -0.25 |
| ## 947 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1980-12-31 | -0.25 |
| ## 948 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1981-03-31 | 0.75 |
| ## 949 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1981-06-30 | -0.25 |
| ## 950 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1981-09-30 | -0.25 |
| ## 951 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1981-12-31 | -0.25 |
| ## 952 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1982-03-31 | 0.75 |
| ## 953 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1982-06-30 | -0.25 |
| ## 954 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1982-09-30 | -0.25 |
| ## 955 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1982-12-31 | -0.25 |
| ## 956 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1983-03-31 | 0.75 |
| ## 957 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1983-06-30 | -0.25 |

| | | | | | | | | | |
|--------|-------|-------|-------|----|---|---|---|------------|-------|
| ## 958 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1983-09-30 | -0.25 |
| ## 959 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1983-12-31 | -0.25 |
| ## 960 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 1 | 1984-03-31 | 0.75 |
| ## 961 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1984-06-30 | -0.25 |
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| ## 965 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1985-06-30 | -0.25 |
| ## 966 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1985-09-30 | -0.25 |
| ## 967 | -0.25 | -0.25 | -0.25 | -1 | 0 | 0 | 0 | 1985-12-31 | -0.25 |
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| ## 969 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1986-06-30 | -0.25 |
| ## 970 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1986-09-30 | -0.25 |
| ## 971 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1986-12-31 | -0.25 |
| ## 972 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1987-03-31 | 0.75 |
| ## 973 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1987-06-30 | -0.25 |
| ## 974 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1987-09-30 | -0.25 |
| ## 975 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1987-12-31 | -0.25 |
| ## 976 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1988-03-31 | 0.75 |
| ## 977 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1988-06-30 | -0.25 |
| ## 978 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1988-09-30 | -0.25 |
| ## 979 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1988-12-31 | -0.25 |
| ## 980 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1989-03-31 | 0.75 |
| ## 981 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1989-06-30 | -0.25 |
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| ## 984 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1990-03-31 | 0.75 |
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| ## 986 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1990-09-30 | -0.25 |
| ## 987 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1990-12-31 | -0.25 |
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| ## 990 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1991-09-30 | -0.25 |
| ## 991 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1991-12-31 | -0.25 |
| ## 992 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1992-03-31 | 0.75 |
| ## 993 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1992-06-30 | -0.25 |
| ## 994 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1992-09-30 | -0.25 |
| ## 995 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1992-12-31 | -0.25 |
| ## 996 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1993-03-31 | 0.75 |

| | | | | | | | | | |
|---------|-------|-------|-------|---|---|---|---|------------|-------|
| ## 997 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1993-06-30 | -0.25 |
| ## 998 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1993-09-30 | -0.25 |
| ## 999 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1993-12-31 | -0.25 |
| ## 1000 | 0.75 | -0.25 | -0.25 | 0 | 0 | 1 | 0 | 1994-03-31 | 0.75 |
| ## 1001 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1994-06-30 | -0.25 |
| ## 1002 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1994-09-30 | -0.25 |
| ## 1003 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1994-12-31 | -0.25 |
| ## 1004 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1995-03-31 | 0.75 |
| ## 1005 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1995-06-30 | -0.25 |
| ## 1006 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1995-09-30 | -0.25 |
| ## 1007 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1995-12-31 | -0.25 |
| ## 1008 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1996-03-31 | 0.75 |
| ## 1009 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1996-06-30 | -0.25 |
| ## 1010 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1996-09-30 | -0.25 |
| ## 1011 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1996-12-31 | -0.25 |
| ## 1012 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1997-03-31 | 0.75 |
| ## 1013 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1997-06-30 | -0.25 |
| ## 1014 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1997-09-30 | -0.25 |
| ## 1015 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1997-12-31 | -0.25 |
| ## 1016 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1998-03-31 | 0.75 |
| ## 1017 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1998-06-30 | -0.25 |
| ## 1018 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1998-09-30 | -0.25 |
| ## 1019 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1998-12-31 | -0.25 |
| ## 1020 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1999-03-31 | 0.75 |
| ## 1021 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1999-06-30 | -0.25 |
| ## 1022 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1999-09-30 | -0.25 |
| ## 1023 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1999-12-31 | -0.25 |
| ## 1024 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 2000-03-31 | 0.75 |
| ## 1025 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 2000-06-30 | -0.25 |
| ## 1026 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 2000-09-30 | -0.25 |
| ## 1027 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 2000-12-31 | -0.25 |
| ## 1028 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 2001-03-31 | 0.75 |
| ## 1029 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 2001-06-30 | -0.25 |
| ## 1030 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 2001-09-30 | -0.25 |
| ## 1031 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 2001-12-31 | -0.25 |
| ## 1032 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 2002-03-31 | 0.75 |
| ## 1033 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1970-03-31 | 0.75 |
| ## 1034 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1970-06-30 | -0.25 |
| ## 1035 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1970-09-30 | -0.25 |

| | | | | | | | | |
|---------|-------|-------|-------|---|---|---|--------------|-------|
| ## 1036 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1970-12-31 | -0.25 |
| ## 1037 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1971-03-31 | 0.75 |
| ## 1038 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1971-06-30 | -0.25 |
| ## 1039 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1971-09-30 | -0.25 |
| ## 1040 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1971-12-31 | -0.25 |
| ## 1041 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1972-03-31 | 0.75 |
| ## 1042 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1972-06-30 | -0.25 |
| ## 1043 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1972-09-30 | -0.25 |
| ## 1044 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1972-12-31 | -0.25 |
| ## 1045 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1973-03-31 | 0.75 |
| ## 1046 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1973-06-30 | -0.25 |
| ## 1047 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1973-09-30 | -0.25 |
| ## 1048 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1973-12-31 | -0.25 |
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| ## 1050 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1974-06-30 | -0.25 |
| ## 1051 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1974-09-30 | -0.25 |
| ## 1052 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1974-12-31 | -0.25 |
| ## 1053 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1975-03-31 | 0.75 |
| ## 1054 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1975-06-30 | -0.25 |
| ## 1055 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1975-09-30 | -0.25 |
| ## 1056 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1975-12-31 | -0.25 |
| ## 1057 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1976-03-31 | 0.75 |
| ## 1058 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1976-06-30 | -0.25 |
| ## 1059 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1976-09-30 | -0.25 |
| ## 1060 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1976-12-31 | -0.25 |
| ## 1061 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1977-03-31 | 0.75 |
| ## 1062 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1977-06-30 | -0.25 |
| ## 1063 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1977-09-30 | -0.25 |
| ## 1064 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1977-12-31 | -0.25 |
| ## 1065 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1978-03-31 | 0.75 |
| ## 1066 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1978-06-30 | -0.25 |
| ## 1067 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1978-09-30 | -0.25 |
| ## 1068 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1978-12-31 | -0.25 |
| ## 1069 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1979-03-31 | 0.75 |
| ## 1070 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1979-06-30 | -0.25 |
| ## 1071 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1979-09-30 | -0.25 |
| ## 1072 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1979-12-31 | -0.25 |
| ## 1073 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1980-03-31 | 0.75 |
| ## 1074 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1980-06-30 | -0.25 |

| | | | | | | | | | |
|---------|-------|-------|-------|----|---|---|---|------------|-------|
| ## 1075 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1980-09-30 | -0.25 |
| ## 1076 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1980-12-31 | -0.25 |
| ## 1077 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1981-03-31 | 0.75 |
| ## 1078 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1981-06-30 | -0.25 |
| ## 1079 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1981-09-30 | -0.25 |
| ## 1080 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1981-12-31 | -0.25 |
| ## 1081 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1982-03-31 | 0.75 |
| ## 1082 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1982-06-30 | -0.25 |
| ## 1083 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1982-09-30 | -0.25 |
| ## 1084 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1982-12-31 | -0.25 |
| ## 1085 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1983-03-31 | 0.75 |
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| ## 1087 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1983-09-30 | -0.25 |
| ## 1088 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1983-12-31 | -0.25 |
| ## 1089 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 1 | 1984-03-31 | 0.75 |
| ## 1090 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1984-06-30 | -0.25 |
| ## 1091 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1984-09-30 | -0.25 |
| ## 1092 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1984-12-31 | -0.25 |
| ## 1093 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1985-03-31 | 0.75 |
| ## 1094 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1985-06-30 | -0.25 |
| ## 1095 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1985-09-30 | -0.25 |
| ## 1096 | -0.25 | -0.25 | -0.25 | -1 | 0 | 0 | 0 | 1985-12-31 | -0.25 |
| ## 1097 | 0.75 | -0.25 | -0.25 | 0 | 1 | 0 | 0 | 1986-03-31 | 0.75 |
| ## 1098 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1986-06-30 | -0.25 |
| ## 1099 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1986-09-30 | -0.25 |
| ## 1100 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1986-12-31 | -0.25 |
| ## 1101 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1987-03-31 | 0.75 |
| ## 1102 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1987-06-30 | -0.25 |
| ## 1103 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1987-09-30 | -0.25 |
| ## 1104 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1987-12-31 | -0.25 |
| ## 1105 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1988-03-31 | 0.75 |
| ## 1106 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1988-06-30 | -0.25 |
| ## 1107 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1988-09-30 | -0.25 |
| ## 1108 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1988-12-31 | -0.25 |
| ## 1109 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1989-03-31 | 0.75 |
| ## 1110 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1989-06-30 | -0.25 |
| ## 1111 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1989-09-30 | -0.25 |
| ## 1112 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1989-12-31 | -0.25 |
| ## 1113 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1990-03-31 | 0.75 |

| | | | | | | | | | |
|---------|-------|-------|-------|---|---|---|---|------------|-------|
| ## 1114 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1990-06-30 | -0.25 |
| ## 1115 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1990-09-30 | -0.25 |
| ## 1116 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1990-12-31 | -0.25 |
| ## 1117 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1991-03-31 | 0.75 |
| ## 1118 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1991-06-30 | -0.25 |
| ## 1119 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1991-09-30 | -0.25 |
| ## 1120 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1991-12-31 | -0.25 |
| ## 1121 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1992-03-31 | 0.75 |
| ## 1122 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1992-06-30 | -0.25 |
| ## 1123 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1992-09-30 | -0.25 |
| ## 1124 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1992-12-31 | -0.25 |
| ## 1125 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1993-03-31 | 0.75 |
| ## 1126 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1993-06-30 | -0.25 |
| ## 1127 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1993-09-30 | -0.25 |
| ## 1128 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1993-12-31 | -0.25 |
| ## 1129 | 0.75 | -0.25 | -0.25 | 0 | 0 | 1 | 0 | 1994-03-31 | 0.75 |
| ## 1130 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1994-06-30 | -0.25 |
| ## 1131 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1994-09-30 | -0.25 |
| ## 1132 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1994-12-31 | -0.25 |
| ## 1133 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1995-03-31 | 0.75 |
| ## 1134 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1995-06-30 | -0.25 |
| ## 1135 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1995-09-30 | -0.25 |
| ## 1136 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1995-12-31 | -0.25 |
| ## 1137 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1996-03-31 | 0.75 |
| ## 1138 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1996-06-30 | -0.25 |
| ## 1139 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1996-09-30 | -0.25 |
| ## 1140 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1996-12-31 | -0.25 |
| ## 1141 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1997-03-31 | 0.75 |
| ## 1142 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1997-06-30 | -0.25 |
| ## 1143 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1997-09-30 | -0.25 |
| ## 1144 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1997-12-31 | -0.25 |
| ## 1145 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1998-03-31 | 0.75 |
| ## 1146 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1998-06-30 | -0.25 |
| ## 1147 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1998-09-30 | -0.25 |
| ## 1148 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1998-12-31 | -0.25 |
| ## 1149 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1999-03-31 | 0.75 |
| ## 1150 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1999-06-30 | -0.25 |
| ## 1151 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1999-09-30 | -0.25 |
| ## 1152 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1999-12-31 | -0.25 |

| | | | | | | | | | |
|---------|-------|-------|-------|---|---|---|---|------------|-------|
| ## 1153 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 2000-03-31 | 0.75 |
| ## 1154 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 2000-06-30 | -0.25 |
| ## 1155 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 2000-09-30 | -0.25 |
| ## 1156 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 2000-12-31 | -0.25 |
| ## 1157 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 2001-03-31 | 0.75 |
| ## 1158 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 2001-06-30 | -0.25 |
| ## 1159 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 2001-09-30 | -0.25 |
| ## 1160 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 2001-12-31 | -0.25 |
| ## 1161 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 2002-03-31 | 0.75 |
| ## 1162 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1970-03-31 | 0.75 |
| ## 1163 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1970-06-30 | -0.25 |
| ## 1164 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1970-09-30 | -0.25 |
| ## 1165 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1970-12-31 | -0.25 |
| ## 1166 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1971-03-31 | 0.75 |
| ## 1167 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1971-06-30 | -0.25 |
| ## 1168 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1971-09-30 | -0.25 |
| ## 1169 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1971-12-31 | -0.25 |
| ## 1170 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1972-03-31 | 0.75 |
| ## 1171 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1972-06-30 | -0.25 |
| ## 1172 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1972-09-30 | -0.25 |
| ## 1173 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1972-12-31 | -0.25 |
| ## 1174 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1973-03-31 | 0.75 |
| ## 1175 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1973-06-30 | -0.25 |
| ## 1176 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1973-09-30 | -0.25 |
| ## 1177 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1973-12-31 | -0.25 |
| ## 1178 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1974-03-31 | 0.75 |
| ## 1179 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1974-06-30 | -0.25 |
| ## 1180 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1974-09-30 | -0.25 |
| ## 1181 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1974-12-31 | -0.25 |
| ## 1182 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1975-03-31 | 0.75 |
| ## 1183 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1975-06-30 | -0.25 |
| ## 1184 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1975-09-30 | -0.25 |
| ## 1185 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1975-12-31 | -0.25 |
| ## 1186 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1976-03-31 | 0.75 |
| ## 1187 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1976-06-30 | -0.25 |
| ## 1188 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1976-09-30 | -0.25 |
| ## 1189 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1976-12-31 | -0.25 |
| ## 1190 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1977-03-31 | 0.75 |
| ## 1191 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1977-06-30 | -0.25 |

| | | | | | | | | | |
|---------|-------|-------|-------|----|---|---|---|------------|-------|
| ## 1192 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1977-09-30 | -0.25 |
| ## 1193 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1977-12-31 | -0.25 |
| ## 1194 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1978-03-31 | 0.75 |
| ## 1195 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1978-06-30 | -0.25 |
| ## 1196 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1978-09-30 | -0.25 |
| ## 1197 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1978-12-31 | -0.25 |
| ## 1198 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1979-03-31 | 0.75 |
| ## 1199 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1979-06-30 | -0.25 |
| ## 1200 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1979-09-30 | -0.25 |
| ## 1201 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1979-12-31 | -0.25 |
| ## 1202 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1980-03-31 | 0.75 |
| ## 1203 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1980-06-30 | -0.25 |
| ## 1204 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1980-09-30 | -0.25 |
| ## 1205 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1980-12-31 | -0.25 |
| ## 1206 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1981-03-31 | 0.75 |
| ## 1207 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1981-06-30 | -0.25 |
| ## 1208 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1981-09-30 | -0.25 |
| ## 1209 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1981-12-31 | -0.25 |
| ## 1210 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1982-03-31 | 0.75 |
| ## 1211 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1982-06-30 | -0.25 |
| ## 1212 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1982-09-30 | -0.25 |
| ## 1213 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1982-12-31 | -0.25 |
| ## 1214 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1983-03-31 | 0.75 |
| ## 1215 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1983-06-30 | -0.25 |
| ## 1216 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1983-09-30 | -0.25 |
| ## 1217 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1983-12-31 | -0.25 |
| ## 1218 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 1 | 1984-03-31 | 0.75 |
| ## 1219 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1984-06-30 | -0.25 |
| ## 1220 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1984-09-30 | -0.25 |
| ## 1221 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1984-12-31 | -0.25 |
| ## 1222 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1985-03-31 | 0.75 |
| ## 1223 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1985-06-30 | -0.25 |
| ## 1224 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1985-09-30 | -0.25 |
| ## 1225 | -0.25 | -0.25 | -0.25 | -1 | 0 | 0 | 0 | 1985-12-31 | -0.25 |
| ## 1226 | 0.75 | -0.25 | -0.25 | 0 | 1 | 0 | 0 | 1986-03-31 | 0.75 |
| ## 1227 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1986-06-30 | -0.25 |
| ## 1228 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1986-09-30 | -0.25 |
| ## 1229 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1986-12-31 | -0.25 |
| ## 1230 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1987-03-31 | 0.75 |

| | | | | | | | | | |
|---------|-------|-------|-------|---|---|---|---|------------|-------|
| ## 1231 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1987-06-30 | -0.25 |
| ## 1232 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1987-09-30 | -0.25 |
| ## 1233 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1987-12-31 | -0.25 |
| ## 1234 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1988-03-31 | 0.75 |
| ## 1235 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1988-06-30 | -0.25 |
| ## 1236 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1988-09-30 | -0.25 |
| ## 1237 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1988-12-31 | -0.25 |
| ## 1238 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1989-03-31 | 0.75 |
| ## 1239 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1989-06-30 | -0.25 |
| ## 1240 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1989-09-30 | -0.25 |
| ## 1241 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1989-12-31 | -0.25 |
| ## 1242 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1990-03-31 | 0.75 |
| ## 1243 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1990-06-30 | -0.25 |
| ## 1244 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1990-09-30 | -0.25 |
| ## 1245 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1990-12-31 | -0.25 |
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| ## 1247 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1991-06-30 | -0.25 |
| ## 1248 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1991-09-30 | -0.25 |
| ## 1249 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1991-12-31 | -0.25 |
| ## 1250 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1992-03-31 | 0.75 |
| ## 1251 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1992-06-30 | -0.25 |
| ## 1252 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1992-09-30 | -0.25 |
| ## 1253 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1992-12-31 | -0.25 |
| ## 1254 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1993-03-31 | 0.75 |
| ## 1255 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1993-06-30 | -0.25 |
| ## 1256 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1993-09-30 | -0.25 |
| ## 1257 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1993-12-31 | -0.25 |
| ## 1258 | 0.75 | -0.25 | -0.25 | 0 | 0 | 1 | 0 | 1994-03-31 | 0.75 |
| ## 1259 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1994-06-30 | -0.25 |
| ## 1260 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1994-09-30 | -0.25 |
| ## 1261 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1994-12-31 | -0.25 |
| ## 1262 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1995-03-31 | 0.75 |
| ## 1263 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1995-06-30 | -0.25 |
| ## 1264 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1995-09-30 | -0.25 |
| ## 1265 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1995-12-31 | -0.25 |
| ## 1266 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1996-03-31 | 0.75 |
| ## 1267 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1996-06-30 | -0.25 |
| ## 1268 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1996-09-30 | -0.25 |
| ## 1269 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1996-12-31 | -0.25 |

| | | | | | | | | | |
|---------|-------|-------|-------|---|---|---|---|------------|-------|
| ## 1270 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1997-03-31 | 0.75 |
| ## 1271 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1997-06-30 | -0.25 |
| ## 1272 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1997-09-30 | -0.25 |
| ## 1273 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1997-12-31 | -0.25 |
| ## 1274 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1998-03-31 | 0.75 |
| ## 1275 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1998-06-30 | -0.25 |
| ## 1276 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1998-09-30 | -0.25 |
| ## 1277 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1998-12-31 | -0.25 |
| ## 1278 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1999-03-31 | 0.75 |
| ## 1279 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1999-06-30 | -0.25 |
| ## 1280 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1999-09-30 | -0.25 |
| ## 1281 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1999-12-31 | -0.25 |
| ## 1282 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 2000-03-31 | 0.75 |
| ## 1283 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 2000-06-30 | -0.25 |
| ## 1284 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 2000-09-30 | -0.25 |
| ## 1285 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 2000-12-31 | -0.25 |
| ## 1286 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 2001-03-31 | 0.75 |
| ## 1287 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 2001-06-30 | -0.25 |
| ## 1288 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 2001-09-30 | -0.25 |
| ## 1289 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 2001-12-31 | -0.25 |
| ## 1290 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 2002-03-31 | 0.75 |
| ## 1291 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1970-03-31 | 0.75 |
| ## 1292 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1970-06-30 | -0.25 |
| ## 1293 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1970-09-30 | -0.25 |
| ## 1294 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1970-12-31 | -0.25 |
| ## 1295 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1971-03-31 | 0.75 |
| ## 1296 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1971-06-30 | -0.25 |
| ## 1297 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1971-09-30 | -0.25 |
| ## 1298 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1971-12-31 | -0.25 |
| ## 1299 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1972-03-31 | 0.75 |
| ## 1300 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1972-06-30 | -0.25 |
| ## 1301 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1972-09-30 | -0.25 |
| ## 1302 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1972-12-31 | -0.25 |
| ## 1303 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1973-03-31 | 0.75 |
| ## 1304 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1973-06-30 | -0.25 |
| ## 1305 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1973-09-30 | -0.25 |
| ## 1306 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1973-12-31 | -0.25 |
| ## 1307 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1974-03-31 | 0.75 |
| ## 1308 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1974-06-30 | -0.25 |

| | | | | | | | | | |
|---------|-------|-------|-------|---|---|---|---|------------|-------|
| ## 1309 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1974-09-30 | -0.25 |
| ## 1310 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1974-12-31 | -0.25 |
| ## 1311 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1975-03-31 | 0.75 |
| ## 1312 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1975-06-30 | -0.25 |
| ## 1313 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1975-09-30 | -0.25 |
| ## 1314 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1975-12-31 | -0.25 |
| ## 1315 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1976-03-31 | 0.75 |
| ## 1316 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1976-06-30 | -0.25 |
| ## 1317 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1976-09-30 | -0.25 |
| ## 1318 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1976-12-31 | -0.25 |
| ## 1319 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1977-03-31 | 0.75 |
| ## 1320 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1977-06-30 | -0.25 |
| ## 1321 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1977-09-30 | -0.25 |
| ## 1322 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1977-12-31 | -0.25 |
| ## 1323 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1978-03-31 | 0.75 |
| ## 1324 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1978-06-30 | -0.25 |
| ## 1325 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1978-09-30 | -0.25 |
| ## 1326 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1978-12-31 | -0.25 |
| ## 1327 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1979-03-31 | 0.75 |
| ## 1328 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1979-06-30 | -0.25 |
| ## 1329 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1979-09-30 | -0.25 |
| ## 1330 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1979-12-31 | -0.25 |
| ## 1331 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1980-03-31 | 0.75 |
| ## 1332 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1980-06-30 | -0.25 |
| ## 1333 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1980-09-30 | -0.25 |
| ## 1334 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1980-12-31 | -0.25 |
| ## 1335 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1981-03-31 | 0.75 |
| ## 1336 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1981-06-30 | -0.25 |
| ## 1337 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1981-09-30 | -0.25 |
| ## 1338 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1981-12-31 | -0.25 |
| ## 1339 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1982-03-31 | 0.75 |
| ## 1340 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1982-06-30 | -0.25 |
| ## 1341 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1982-09-30 | -0.25 |
| ## 1342 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1982-12-31 | -0.25 |
| ## 1343 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1983-03-31 | 0.75 |
| ## 1344 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1983-06-30 | -0.25 |
| ## 1345 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1983-09-30 | -0.25 |
| ## 1346 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1983-12-31 | -0.25 |
| ## 1347 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 1 | 1984-03-31 | 0.75 |

| | | | | | | | | |
|---------|-------|-------|-------|----|---|---|--------------|-------|
| ## 1348 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1984-06-30 | -0.25 |
| ## 1349 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1984-09-30 | -0.25 |
| ## 1350 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1984-12-31 | -0.25 |
| ## 1351 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1985-03-31 | 0.75 |
| ## 1352 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1985-06-30 | -0.25 |
| ## 1353 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1985-09-30 | -0.25 |
| ## 1354 | -0.25 | -0.25 | -0.25 | -1 | 0 | 0 | 0 1985-12-31 | -0.25 |
| ## 1355 | 0.75 | -0.25 | -0.25 | 0 | 1 | 0 | 0 1986-03-31 | 0.75 |
| ## 1356 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1986-06-30 | -0.25 |
| ## 1357 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1986-09-30 | -0.25 |
| ## 1358 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1986-12-31 | -0.25 |
| ## 1359 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1987-03-31 | 0.75 |
| ## 1360 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1987-06-30 | -0.25 |
| ## 1361 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1987-09-30 | -0.25 |
| ## 1362 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1987-12-31 | -0.25 |
| ## 1363 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1988-03-31 | 0.75 |
| ## 1364 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1988-06-30 | -0.25 |
| ## 1365 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1988-09-30 | -0.25 |
| ## 1366 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1988-12-31 | -0.25 |
| ## 1367 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1989-03-31 | 0.75 |
| ## 1368 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1989-06-30 | -0.25 |
| ## 1369 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1989-09-30 | -0.25 |
| ## 1370 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1989-12-31 | -0.25 |
| ## 1371 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1990-03-31 | 0.75 |
| ## 1372 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1990-06-30 | -0.25 |
| ## 1373 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1990-09-30 | -0.25 |
| ## 1374 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1990-12-31 | -0.25 |
| ## 1375 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1991-03-31 | 0.75 |
| ## 1376 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1991-06-30 | -0.25 |
| ## 1377 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1991-09-30 | -0.25 |
| ## 1378 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1991-12-31 | -0.25 |
| ## 1379 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1992-03-31 | 0.75 |
| ## 1380 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1992-06-30 | -0.25 |
| ## 1381 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1992-09-30 | -0.25 |
| ## 1382 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1992-12-31 | -0.25 |
| ## 1383 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1993-03-31 | 0.75 |
| ## 1384 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 1993-06-30 | -0.25 |
| ## 1385 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 1993-09-30 | -0.25 |
| ## 1386 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 1993-12-31 | -0.25 |

| | | | | | | | | | |
|---------|-------|-------|-------|---|---|---|---|------------|-------|
| ## 1387 | 0.75 | -0.25 | -0.25 | 0 | 0 | 1 | 0 | 1994-03-31 | 0.75 |
| ## 1388 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1994-06-30 | -0.25 |
| ## 1389 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1994-09-30 | -0.25 |
| ## 1390 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1994-12-31 | -0.25 |
| ## 1391 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1995-03-31 | 0.75 |
| ## 1392 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1995-06-30 | -0.25 |
| ## 1393 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1995-09-30 | -0.25 |
| ## 1394 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1995-12-31 | -0.25 |
| ## 1395 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1996-03-31 | 0.75 |
| ## 1396 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1996-06-30 | -0.25 |
| ## 1397 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1996-09-30 | -0.25 |
| ## 1398 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1996-12-31 | -0.25 |
| ## 1399 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1997-03-31 | 0.75 |
| ## 1400 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1997-06-30 | -0.25 |
| ## 1401 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1997-09-30 | -0.25 |
| ## 1402 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1997-12-31 | -0.25 |
| ## 1403 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1998-03-31 | 0.75 |
| ## 1404 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1998-06-30 | -0.25 |
| ## 1405 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1998-09-30 | -0.25 |
| ## 1406 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1998-12-31 | -0.25 |
| ## 1407 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1999-03-31 | 0.75 |
| ## 1408 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1999-06-30 | -0.25 |
| ## 1409 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1999-09-30 | -0.25 |
| ## 1410 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1999-12-31 | -0.25 |
| ## 1411 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 2000-03-31 | 0.75 |
| ## 1412 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 2000-06-30 | -0.25 |
| ## 1413 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 2000-09-30 | -0.25 |
| ## 1414 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 2000-12-31 | -0.25 |
| ## 1415 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 2001-03-31 | 0.75 |
| ## 1416 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 2001-06-30 | -0.25 |
| ## 1417 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 2001-09-30 | -0.25 |
| ## 1418 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 2001-12-31 | -0.25 |
| ## 1419 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 2002-03-31 | 0.75 |
| ## 1420 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1970-03-31 | 0.75 |
| ## 1421 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1970-06-30 | -0.25 |
| ## 1422 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1970-09-30 | -0.25 |
| ## 1423 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1970-12-31 | -0.25 |
| ## 1424 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1971-03-31 | 0.75 |
| ## 1425 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1971-06-30 | -0.25 |

| | | | | | | | | | |
|---------|-------|-------|-------|---|---|---|---|------------|-------|
| ## 1426 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1971-09-30 | -0.25 |
| ## 1427 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1971-12-31 | -0.25 |
| ## 1428 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1972-03-31 | 0.75 |
| ## 1429 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1972-06-30 | -0.25 |
| ## 1430 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1972-09-30 | -0.25 |
| ## 1431 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1972-12-31 | -0.25 |
| ## 1432 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1973-03-31 | 0.75 |
| ## 1433 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1973-06-30 | -0.25 |
| ## 1434 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1973-09-30 | -0.25 |
| ## 1435 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1973-12-31 | -0.25 |
| ## 1436 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1974-03-31 | 0.75 |
| ## 1437 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1974-06-30 | -0.25 |
| ## 1438 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1974-09-30 | -0.25 |
| ## 1439 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1974-12-31 | -0.25 |
| ## 1440 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1975-03-31 | 0.75 |
| ## 1441 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1975-06-30 | -0.25 |
| ## 1442 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1975-09-30 | -0.25 |
| ## 1443 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1975-12-31 | -0.25 |
| ## 1444 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1976-03-31 | 0.75 |
| ## 1445 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1976-06-30 | -0.25 |
| ## 1446 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1976-09-30 | -0.25 |
| ## 1447 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1976-12-31 | -0.25 |
| ## 1448 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1977-03-31 | 0.75 |
| ## 1449 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1977-06-30 | -0.25 |
| ## 1450 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1977-09-30 | -0.25 |
| ## 1451 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1977-12-31 | -0.25 |
| ## 1452 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1978-03-31 | 0.75 |
| ## 1453 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1978-06-30 | -0.25 |
| ## 1454 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1978-09-30 | -0.25 |
| ## 1455 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1978-12-31 | -0.25 |
| ## 1456 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1979-03-31 | 0.75 |
| ## 1457 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1979-06-30 | -0.25 |
| ## 1458 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1979-09-30 | -0.25 |
| ## 1459 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1979-12-31 | -0.25 |
| ## 1460 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1980-03-31 | 0.75 |
| ## 1461 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1980-06-30 | -0.25 |
| ## 1462 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1980-09-30 | -0.25 |
| ## 1463 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1980-12-31 | -0.25 |
| ## 1464 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1981-03-31 | 0.75 |

| | | | | | | | | | |
|---------|-------|-------|-------|----|---|---|---|------------|-------|
| ## 1465 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1981-06-30 | -0.25 |
| ## 1466 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1981-09-30 | -0.25 |
| ## 1467 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1981-12-31 | -0.25 |
| ## 1468 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1982-03-31 | 0.75 |
| ## 1469 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1982-06-30 | -0.25 |
| ## 1470 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1982-09-30 | -0.25 |
| ## 1471 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1982-12-31 | -0.25 |
| ## 1472 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1983-03-31 | 0.75 |
| ## 1473 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1983-06-30 | -0.25 |
| ## 1474 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1983-09-30 | -0.25 |
| ## 1475 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1983-12-31 | -0.25 |
| ## 1476 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 1 | 1984-03-31 | 0.75 |
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| ## 1478 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1984-09-30 | -0.25 |
| ## 1479 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1984-12-31 | -0.25 |
| ## 1480 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1985-03-31 | 0.75 |
| ## 1481 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1985-06-30 | -0.25 |
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| ## 1483 | -0.25 | -0.25 | -0.25 | -1 | 0 | 0 | 0 | 1985-12-31 | -0.25 |
| ## 1484 | 0.75 | -0.25 | -0.25 | 0 | 1 | 0 | 0 | 1986-03-31 | 0.75 |
| ## 1485 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1986-06-30 | -0.25 |
| ## 1486 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1986-09-30 | -0.25 |
| ## 1487 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1986-12-31 | -0.25 |
| ## 1488 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1987-03-31 | 0.75 |
| ## 1489 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1987-06-30 | -0.25 |
| ## 1490 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1987-09-30 | -0.25 |
| ## 1491 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1987-12-31 | -0.25 |
| ## 1492 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1988-03-31 | 0.75 |
| ## 1493 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1988-06-30 | -0.25 |
| ## 1494 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1988-09-30 | -0.25 |
| ## 1495 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1988-12-31 | -0.25 |
| ## 1496 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1989-03-31 | 0.75 |
| ## 1497 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1989-06-30 | -0.25 |
| ## 1498 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1989-09-30 | -0.25 |
| ## 1499 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1989-12-31 | -0.25 |
| ## 1500 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1990-03-31 | 0.75 |
| ## 1501 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1990-06-30 | -0.25 |
| ## 1502 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1990-09-30 | -0.25 |
| ## 1503 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1990-12-31 | -0.25 |

| | | | | | | | | | |
|---------|-------|-------|-------|---|---|---|---|------------|-------|
| ## 1504 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1991-03-31 | 0.75 |
| ## 1505 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1991-06-30 | -0.25 |
| ## 1506 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1991-09-30 | -0.25 |
| ## 1507 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1991-12-31 | -0.25 |
| ## 1508 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1992-03-31 | 0.75 |
| ## 1509 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1992-06-30 | -0.25 |
| ## 1510 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1992-09-30 | -0.25 |
| ## 1511 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1992-12-31 | -0.25 |
| ## 1512 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1993-03-31 | 0.75 |
| ## 1513 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1993-06-30 | -0.25 |
| ## 1514 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1993-09-30 | -0.25 |
| ## 1515 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1993-12-31 | -0.25 |
| ## 1516 | 0.75 | -0.25 | -0.25 | 0 | 0 | 1 | 0 | 1994-03-31 | 0.75 |
| ## 1517 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1994-06-30 | -0.25 |
| ## 1518 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1994-09-30 | -0.25 |
| ## 1519 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1994-12-31 | -0.25 |
| ## 1520 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1995-03-31 | 0.75 |
| ## 1521 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1995-06-30 | -0.25 |
| ## 1522 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1995-09-30 | -0.25 |
| ## 1523 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1995-12-31 | -0.25 |
| ## 1524 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1996-03-31 | 0.75 |
| ## 1525 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1996-06-30 | -0.25 |
| ## 1526 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1996-09-30 | -0.25 |
| ## 1527 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1996-12-31 | -0.25 |
| ## 1528 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1997-03-31 | 0.75 |
| ## 1529 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1997-06-30 | -0.25 |
| ## 1530 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1997-09-30 | -0.25 |
| ## 1531 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1997-12-31 | -0.25 |
| ## 1532 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1998-03-31 | 0.75 |
| ## 1533 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1998-06-30 | -0.25 |
| ## 1534 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1998-09-30 | -0.25 |
| ## 1535 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1998-12-31 | -0.25 |
| ## 1536 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1999-03-31 | 0.75 |
| ## 1537 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 1999-06-30 | -0.25 |
| ## 1538 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 1999-09-30 | -0.25 |
| ## 1539 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 1999-12-31 | -0.25 |
| ## 1540 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 2000-03-31 | 0.75 |
| ## 1541 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 2000-06-30 | -0.25 |
| ## 1542 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 2000-09-30 | -0.25 |

| | | | | | | | | | |
|---------|--------|--------|---------|---------|----------|------------|--------|--------------|-------|
| ## 1543 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 2000-12-31 | -0.25 |
| ## 1544 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 2001-03-31 | 0.75 |
| ## 1545 | -0.25 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | 2001-06-30 | -0.25 |
| ## 1546 | -0.25 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | 2001-09-30 | -0.25 |
| ## 1547 | -0.25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 2001-12-31 | -0.25 |
| ## 1548 | 0.75 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | 2002-03-31 | 0.75 |
| ## | SDUMC2 | SDUMC3 | DUMRER1 | DUMRER2 | DUMFBUYA | DUMNFAOFPY | season | season_dum | |
| ## 1 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.586157e+00 | |
| ## 2 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.578278e+00 | |
| ## 3 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.590260e+00 | |
| ## 4 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.588329e+00 | |
| ## 5 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.593941e+00 | |
| ## 6 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.601564e+00 | |
| ## 7 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.590767e+00 | |
| ## 8 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.562332e+00 | |
| ## 9 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.487737e+00 | |
| ## 10 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.503064e+00 | |
| ## 11 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.474530e+00 | |
| ## 12 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.501327e+00 | |
| ## 13 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.518704e+00 | |
| ## 14 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.536034e+00 | |
| ## 15 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.536249e+00 | |
| ## 16 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.566810e+00 | |
| ## 17 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.569854e+00 | |
| ## 18 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.537676e+00 | |
| ## 19 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.581458e+00 | |
| ## 20 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.560277e+00 | |
| ## 21 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.563236e+00 | |
| ## 22 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.584423e+00 | |
| ## 23 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.615154e+00 | |
| ## 24 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.490096e+00 | |
| ## 25 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.505239e+00 | |
| ## 26 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.550573e+00 | |
| ## 27 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.574367e+00 | |
| ## 28 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.592490e+00 | |
| ## 29 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.602266e+00 | |
| ## 30 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.610821e+00 | |
| ## 31 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.613469e+00 | |
| ## 32 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.590124e+00 | |

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|-------|-------|-------|----|---|---|---|--------|--------------|
| ## 33 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.560800e+00 |
| ## 34 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.566291e+00 |
| ## 35 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.537569e+00 |
| ## 36 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.529117e+00 |
| ## 37 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.549340e+00 |
| ## 38 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.598548e+00 |
| ## 39 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.613502e+00 |
| ## 40 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.634276e+00 |
| ## 41 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.630805e+00 |
| ## 42 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.675722e+00 |
| ## 43 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.728832e+00 |
| ## 44 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.801723e+00 |
| ## 45 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.823127e+00 |
| ## 46 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.812049e+00 |
| ## 47 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.785184e+00 |
| ## 48 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.738039e+00 |
| ## 49 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.755456e+00 |
| ## 50 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.726680e+00 |
| ## 51 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.725498e+00 |
| ## 52 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.793419e+00 |
| ## 53 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.834773e+00 |
| ## 54 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.867765e+00 |
| ## 55 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.893052e+00 |
| ## 56 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.852759e+00 |
| ## 57 | -0.25 | -0.25 | 0 | 0 | 0 | 1 | LREERS | 4.811724e+00 |
| ## 58 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.797964e+00 |
| ## 59 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.665889e+00 |
| ## 60 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.593131e+00 |
| ## 61 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.573680e+00 |
| ## 62 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.590530e+00 |
| ## 63 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.436870e+00 |
| ## 64 | -0.25 | -0.25 | -1 | 0 | 0 | 0 | LREERS | 4.265071e+00 |
| ## 65 | -0.25 | -0.25 | 0 | 1 | 0 | 0 | LREERS | 4.481118e+00 |
| ## 66 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.440649e+00 |
| ## 67 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.336637e+00 |
| ## 68 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.481608e+00 |
| ## 69 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.524285e+00 |
| ## 70 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.551031e+00 |
| ## 71 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.563931e+00 |

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|--------|-------|-------|---|---|---|---|--------|--------------|
| ## 72 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.562958e+00 |
| ## 73 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.543649e+00 |
| ## 74 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.505571e+00 |
| ## 75 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.495393e+00 |
| ## 76 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.494388e+00 |
| ## 77 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.525550e+00 |
| ## 78 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.516958e+00 |
| ## 79 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.520157e+00 |
| ## 80 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.558987e+00 |
| ## 81 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.588668e+00 |
| ## 82 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.576359e+00 |
| ## 83 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.565459e+00 |
| ## 84 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.587481e+00 |
| ## 85 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.611318e+00 |
| ## 86 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.618514e+00 |
| ## 87 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.627910e+00 |
| ## 88 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.643461e+00 |
| ## 89 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.637960e+00 |
| ## 90 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.648517e+00 |
| ## 91 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.645800e+00 |
| ## 92 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.657952e+00 |
| ## 93 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.661393e+00 |
| ## 94 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.632591e+00 |
| ## 95 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.615187e+00 |
| ## 96 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.634600e+00 |
| ## 97 | -0.25 | -0.25 | 0 | 0 | 1 | 0 | LREERS | 4.657288e+00 |
| ## 98 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.605170e+00 |
| ## 99 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.602934e+00 |
| ## 100 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.616077e+00 |
| ## 101 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.609328e+00 |
| ## 102 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.572199e+00 |
| ## 103 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.609926e+00 |
| ## 104 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.628301e+00 |
| ## 105 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.625234e+00 |
| ## 106 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.524755e+00 |
| ## 107 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.505387e+00 |
| ## 108 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.497548e+00 |
| ## 109 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.591004e+00 |
| ## 110 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.621404e+00 |

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|--------|-------|-------|---|---|---|---|--------|---------------|
| ## 111 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.611881e+00 |
| ## 112 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.586021e+00 |
| ## 113 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.597037e+00 |
| ## 114 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.564765e+00 |
| ## 115 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.403870e+00 |
| ## 116 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.459373e+00 |
| ## 117 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.428473e+00 |
| ## 118 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.461146e+00 |
| ## 119 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.469045e+00 |
| ## 120 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.462262e+00 |
| ## 121 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.468243e+00 |
| ## 122 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.422168e+00 |
| ## 123 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.426004e+00 |
| ## 124 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.382443e+00 |
| ## 125 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.345060e+00 |
| ## 126 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.351181e+00 |
| ## 127 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.284276e+00 |
| ## 128 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.102533e+00 |
| ## 129 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.035832e+00 |
| ## 130 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -5.410688e-01 |
| ## 131 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -5.090597e-02 |
| ## 132 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | -7.069712e-01 |
| ## 133 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 9.060822e-01 |
| ## 134 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 1.541757e+00 |
| ## 135 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 6.279676e-01 |
| ## 136 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | 1.090712e+00 |
| ## 137 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 3.011160e-01 |
| ## 138 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 1.165023e-01 |
| ## 139 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -2.378796e-02 |
| ## 140 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | -5.519681e-01 |
| ## 141 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -1.297620e+00 |
| ## 142 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -2.627980e+00 |
| ## 143 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -2.972496e+00 |
| ## 144 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | -2.511227e+00 |
| ## 145 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -2.221577e+00 |
| ## 146 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 1.280055e-01 |
| ## 147 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -5.957267e-01 |
| ## 148 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | -2.965548e+00 |
| ## 149 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -2.977684e+00 |

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|--------|-------|-------|---|---|---|---|------|---------------|
| ## 150 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -4.319208e+00 |
| ## 151 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -3.197607e+00 |
| ## 152 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | -1.126457e+00 |
| ## 153 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -1.166379e+00 |
| ## 154 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -5.106380e-01 |
| ## 155 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -3.032384e+00 |
| ## 156 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | -3.045329e+00 |
| ## 157 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -1.676258e+00 |
| ## 158 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -1.296749e+00 |
| ## 159 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -4.672028e-01 |
| ## 160 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | 2.247772e-01 |
| ## 161 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -1.433831e+00 |
| ## 162 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -1.791399e+00 |
| ## 163 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -1.414820e+00 |
| ## 164 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | -4.752937e+00 |
| ## 165 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -5.614163e+00 |
| ## 166 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -6.154217e+00 |
| ## 167 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -5.838941e+00 |
| ## 168 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | -5.277094e+00 |
| ## 169 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -5.369782e+00 |
| ## 170 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -4.463763e+00 |
| ## 171 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -3.875866e+00 |
| ## 172 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | -2.580453e+00 |
| ## 173 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -4.883210e+00 |
| ## 174 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -6.159230e+00 |
| ## 175 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -5.962227e+00 |
| ## 176 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | -6.944754e+00 |
| ## 177 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -4.793650e+00 |
| ## 178 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -4.655447e+00 |
| ## 179 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -6.980145e+00 |
| ## 180 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | -4.928887e+00 |
| ## 181 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -6.589229e+00 |
| ## 182 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -7.647735e+00 |
| ## 183 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -5.595987e+00 |
| ## 184 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | -5.143411e+00 |
| ## 185 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -3.142322e+00 |
| ## 186 | -0.25 | -0.25 | 0 | 0 | 0 | 1 | RIRR | -1.721898e+00 |
| ## 187 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -2.575810e+00 |
| ## 188 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | -2.073824e+00 |

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| ## 189 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -2.053291e+00 |
| ## 190 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -3.491724e+00 |
| ## 191 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -5.029329e+00 |
| ## 192 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | -4.924672e+00 |
| ## 193 | -0.25 | -0.25 | -1 | 0 | 0 | 0 | RIRR | -4.690282e+00 |
| ## 194 | -0.25 | -0.25 | 0 | 1 | 0 | 0 | RIRR | -7.048290e+00 |
| ## 195 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -5.841618e+00 |
| ## 196 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | -9.888123e+00 |
| ## 197 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -9.909427e+00 |
| ## 198 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -7.101534e+00 |
| ## 199 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -6.528223e+00 |
| ## 200 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | -5.749548e+00 |
| ## 201 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -4.743048e+00 |
| ## 202 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -1.951117e+00 |
| ## 203 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -1.289450e+00 |
| ## 204 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | -1.203332e+00 |
| ## 205 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 1.959696e-01 |
| ## 206 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -5.028839e-01 |
| ## 207 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -7.353102e-01 |
| ## 208 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | -1.555133e+00 |
| ## 209 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -2.036618e+00 |
| ## 210 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -3.956227e+00 |
| ## 211 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -2.500893e+00 |
| ## 212 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | -1.759802e+00 |
| ## 213 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -2.230160e+00 |
| ## 214 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -3.763125e+00 |
| ## 215 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -4.590369e+00 |
| ## 216 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | -4.229884e+00 |
| ## 217 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -4.135107e+00 |
| ## 218 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -2.656410e+00 |
| ## 219 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -2.181233e+00 |
| ## 220 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | -3.216449e+00 |
| ## 221 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -5.444370e-01 |
| ## 222 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 1.785545e+00 |
| ## 223 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 8.209902e-01 |
| ## 224 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | 1.605915e+00 |
| ## 225 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 7.455631e-01 |
| ## 226 | -0.25 | -0.25 | 0 | 0 | 1 | 0 | RIRR | -1.885642e-01 |
| ## 227 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 2.464659e+00 |

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| ## 228 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | 2.168717e+00 |
| ## 229 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 2.224248e+00 |
| ## 230 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 2.049013e+00 |
| ## 231 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 1.983692e+00 |
| ## 232 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | 4.127491e+00 |
| ## 233 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 4.159932e+00 |
| ## 234 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 3.780939e+00 |
| ## 235 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 5.600860e+00 |
| ## 236 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | 3.614107e+00 |
| ## 237 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 3.310254e+00 |
| ## 238 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 2.364570e+00 |
| ## 239 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 2.176791e+00 |
| ## 240 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | 2.877148e+00 |
| ## 241 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 4.629985e+00 |
| ## 242 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 5.088897e+00 |
| ## 243 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 5.756988e+00 |
| ## 244 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | 6.351464e+00 |
| ## 245 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 4.572783e+00 |
| ## 246 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 3.645886e+00 |
| ## 247 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 4.453639e+00 |
| ## 248 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | 8.318916e+00 |
| ## 249 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 8.880407e+00 |
| ## 250 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 7.763642e+00 |
| ## 251 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 6.649025e+00 |
| ## 252 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | 4.482066e+00 |
| ## 253 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 3.938038e+00 |
| ## 254 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 2.691264e+00 |
| ## 255 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 3.340682e+00 |
| ## 256 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | 3.609358e+00 |
| ## 257 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 3.732285e+00 |
| ## 258 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 2.905044e+00 |
| ## 259 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.703053e-01 |
| ## 260 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.625069e-01 |
| ## 261 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.319613e-01 |
| ## 262 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.366522e-01 |
| ## 263 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.748695e-01 |
| ## 264 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.512140e-01 |
| ## 265 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.433715e-01 |
| ## 266 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.237477e-01 |

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| ## 267 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.247335e-01 |
| ## 268 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.167892e-01 |
| ## 269 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.925254e-01 |
| ## 270 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.690840e-01 |
| ## 271 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.721357e-01 |
| ## 272 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.617995e-01 |
| ## 273 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.744473e-01 |
| ## 274 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.728982e-01 |
| ## 275 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.177061e-01 |
| ## 276 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.233976e-01 |
| ## 277 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.214329e-01 |
| ## 278 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.033769e-01 |
| ## 279 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.233138e-01 |
| ## 280 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.345045e-01 |
| ## 281 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.204093e-01 |
| ## 282 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.948382e-01 |
| ## 283 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.069281e-01 |
| ## 284 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.727028e-01 |
| ## 285 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.828730e-01 |
| ## 286 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.371008e-01 |
| ## 287 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.457398e-01 |
| ## 288 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.352848e-01 |
| ## 289 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.164444e-01 |
| ## 290 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 4.845140e-01 |
| ## 291 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.136739e-01 |
| ## 292 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.172846e-01 |
| ## 293 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 4.842628e-01 |
| ## 294 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 4.600101e-01 |
| ## 295 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 4.872309e-01 |
| ## 296 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 4.632189e-01 |
| ## 297 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 4.693427e-01 |
| ## 298 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 4.784981e-01 |
| ## 299 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 4.883086e-01 |
| ## 300 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.144170e-01 |
| ## 301 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.306978e-01 |
| ## 302 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.262473e-01 |
| ## 303 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.238137e-01 |
| ## 304 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.417593e-01 |
| ## 305 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.448650e-01 |

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|--------|-------|-------|----|---|---|---|----------|--------------|
| ## 306 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.492999e-01 |
| ## 307 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.352936e-01 |
| ## 308 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.176802e-01 |
| ## 309 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.176580e-01 |
| ## 310 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 4.880784e-01 |
| ## 311 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 4.541550e-01 |
| ## 312 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 4.425820e-01 |
| ## 313 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 4.413623e-01 |
| ## 314 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 4.445090e-01 |
| ## 315 | -0.25 | -0.25 | 0 | 0 | 0 | 1 | LRGDPPCR | 4.428785e-01 |
| ## 316 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 4.595823e-01 |
| ## 317 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 4.221863e-01 |
| ## 318 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 4.116517e-01 |
| ## 319 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 3.955484e-01 |
| ## 320 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 3.707546e-01 |
| ## 321 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 3.520471e-01 |
| ## 322 | -0.25 | -0.25 | -1 | 0 | 0 | 0 | LRGDPPCR | 3.515639e-01 |
| ## 323 | -0.25 | -0.25 | 0 | 1 | 0 | 0 | LRGDPPCR | 3.320695e-01 |
| ## 324 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 3.223656e-01 |
| ## 325 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 3.098186e-01 |
| ## 326 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 3.000712e-01 |
| ## 327 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 3.104859e-01 |
| ## 328 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 2.913070e-01 |
| ## 329 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 2.787468e-01 |
| ## 330 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 2.711526e-01 |
| ## 331 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 2.758838e-01 |
| ## 332 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 2.687147e-01 |
| ## 333 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 2.634942e-01 |
| ## 334 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 2.580697e-01 |
| ## 335 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 2.507328e-01 |
| ## 336 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 2.491146e-01 |
| ## 337 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 2.377412e-01 |
| ## 338 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 2.189798e-01 |
| ## 339 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 2.008094e-01 |
| ## 340 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 1.872042e-01 |
| ## 341 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 1.764311e-01 |
| ## 342 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 1.683808e-01 |
| ## 343 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 1.539095e-01 |
| ## 344 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 1.404335e-01 |

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| ## 345 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 1.377884e-01 |
| ## 346 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 1.285055e-01 |
| ## 347 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 1.049758e-01 |
| ## 348 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 9.792758e-02 |
| ## 349 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 7.950514e-02 |
| ## 350 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.367285e-02 |
| ## 351 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 7.207229e-02 |
| ## 352 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 7.868629e-02 |
| ## 353 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 8.316000e-02 |
| ## 354 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 8.083906e-02 |
| ## 355 | -0.25 | -0.25 | 0 | 0 | 1 | 0 | LRGDPPCR | 6.362186e-02 |
| ## 356 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.557105e-02 |
| ## 357 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.431522e-02 |
| ## 358 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.899015e-02 |
| ## 359 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.501805e-02 |
| ## 360 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.002548e-02 |
| ## 361 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.667886e-02 |
| ## 362 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.189216e-02 |
| ## 363 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.027981e-02 |
| ## 364 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.432206e-02 |
| ## 365 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.842782e-02 |
| ## 366 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.693154e-02 |
| ## 367 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.879513e-02 |
| ## 368 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.757971e-02 |
| ## 369 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 4.983737e-02 |
| ## 370 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 4.099840e-02 |
| ## 371 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 3.088541e-02 |
| ## 372 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 2.880637e-02 |
| ## 373 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 2.141910e-02 |
| ## 374 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 1.699532e-02 |
| ## 375 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 1.336302e-02 |
| ## 376 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 1.307127e-02 |
| ## 377 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 8.375567e-03 |
| ## 378 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 7.005710e-03 |
| ## 379 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 1.284296e-03 |
| ## 380 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | -3.679943e-03 |
| ## 381 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 3.936768e-04 |
| ## 382 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 2.012117e-03 |
| ## 383 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | -2.170126e-03 |

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| ## 384 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.084205e-05 |
| ## 385 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 8.641962e-04 |
| ## 386 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 4.412988e-03 |
| ## 387 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 3.039486e-03 |
| ## 388 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.586157e+00 |
| ## 389 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.578278e+00 |
| ## 390 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.590260e+00 |
| ## 391 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.588329e+00 |
| ## 392 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.593941e+00 |
| ## 393 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.601564e+00 |
| ## 394 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.590767e+00 |
| ## 395 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.562332e+00 |
| ## 396 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.487737e+00 |
| ## 397 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.503064e+00 |
| ## 398 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.474530e+00 |
| ## 399 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.501327e+00 |
| ## 400 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.518704e+00 |
| ## 401 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.536034e+00 |
| ## 402 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.536249e+00 |
| ## 403 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.566810e+00 |
| ## 404 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.569854e+00 |
| ## 405 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.537676e+00 |
| ## 406 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.581458e+00 |
| ## 407 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.560277e+00 |
| ## 408 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.563236e+00 |
| ## 409 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.584423e+00 |
| ## 410 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.615154e+00 |
| ## 411 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.490096e+00 |
| ## 412 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.505239e+00 |
| ## 413 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.550573e+00 |
| ## 414 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.574367e+00 |
| ## 415 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.592490e+00 |
| ## 416 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.602266e+00 |
| ## 417 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.610821e+00 |
| ## 418 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.613469e+00 |
| ## 419 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.590124e+00 |
| ## 420 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.560800e+00 |
| ## 421 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.566291e+00 |
| ## 422 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.537569e+00 |

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| ## 423 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.529117e+00 |
| ## 424 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.549340e+00 |
| ## 425 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.598548e+00 |
| ## 426 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.613502e+00 |
| ## 427 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.634276e+00 |
| ## 428 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.630805e+00 |
| ## 429 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.675722e+00 |
| ## 430 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.728832e+00 |
| ## 431 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.801723e+00 |
| ## 432 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.823127e+00 |
| ## 433 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.812049e+00 |
| ## 434 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.785184e+00 |
| ## 435 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.738039e+00 |
| ## 436 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.755456e+00 |
| ## 437 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.726680e+00 |
| ## 438 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.725498e+00 |
| ## 439 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.793419e+00 |
| ## 440 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.834773e+00 |
| ## 441 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.867765e+00 |
| ## 442 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.893052e+00 |
| ## 443 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.852759e+00 |
| ## 444 | -0.25 | -0.25 | 0 | 0 | 0 | 1 | LREERS | 4.811724e+00 |
| ## 445 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.797964e+00 |
| ## 446 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.665889e+00 |
| ## 447 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.593131e+00 |
| ## 448 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.573680e+00 |
| ## 449 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.590530e+00 |
| ## 450 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.436870e+00 |
| ## 451 | -0.25 | -0.25 | -1 | 0 | 0 | 0 | LREERS | 4.265071e+00 |
| ## 452 | -0.25 | -0.25 | 0 | 1 | 0 | 0 | LREERS | 4.481118e+00 |
| ## 453 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.440649e+00 |
| ## 454 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.336637e+00 |
| ## 455 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.481608e+00 |
| ## 456 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.524285e+00 |
| ## 457 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.551031e+00 |
| ## 458 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.563931e+00 |
| ## 459 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.562958e+00 |
| ## 460 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.543649e+00 |
| ## 461 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.505571e+00 |

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| ## 462 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.495393e+00 |
| ## 463 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.494388e+00 |
| ## 464 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.525550e+00 |
| ## 465 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.516958e+00 |
| ## 466 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.520157e+00 |
| ## 467 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.558987e+00 |
| ## 468 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.588668e+00 |
| ## 469 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.576359e+00 |
| ## 470 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.565459e+00 |
| ## 471 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.587481e+00 |
| ## 472 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.611318e+00 |
| ## 473 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.618514e+00 |
| ## 474 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.627910e+00 |
| ## 475 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.643461e+00 |
| ## 476 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.637960e+00 |
| ## 477 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.648517e+00 |
| ## 478 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.645800e+00 |
| ## 479 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.657952e+00 |
| ## 480 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.661393e+00 |
| ## 481 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.632591e+00 |
| ## 482 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.615187e+00 |
| ## 483 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.634600e+00 |
| ## 484 | -0.25 | -0.25 | 0 | 0 | 1 | 0 | LREERS | 4.657288e+00 |
| ## 485 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.605170e+00 |
| ## 486 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.602934e+00 |
| ## 487 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.616077e+00 |
| ## 488 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.609328e+00 |
| ## 489 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.572199e+00 |
| ## 490 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.609926e+00 |
| ## 491 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.628301e+00 |
| ## 492 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.625234e+00 |
| ## 493 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.524755e+00 |
| ## 494 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.505387e+00 |
| ## 495 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.497548e+00 |
| ## 496 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.591004e+00 |
| ## 497 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.621404e+00 |
| ## 498 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.611881e+00 |
| ## 499 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.586021e+00 |
| ## 500 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.597037e+00 |

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| ## 501 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.564765e+00 |
| ## 502 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.403870e+00 |
| ## 503 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.459373e+00 |
| ## 504 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.428473e+00 |
| ## 505 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.461146e+00 |
| ## 506 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.469045e+00 |
| ## 507 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.462262e+00 |
| ## 508 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.468243e+00 |
| ## 509 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.422168e+00 |
| ## 510 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.426004e+00 |
| ## 511 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.382443e+00 |
| ## 512 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.345060e+00 |
| ## 513 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.351181e+00 |
| ## 514 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.284276e+00 |
| ## 515 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.102533e+00 |
| ## 516 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.035832e+00 |
| ## 517 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -5.410688e-01 |
| ## 518 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -5.090597e-02 |
| ## 519 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | -7.069712e-01 |
| ## 520 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 9.060822e-01 |
| ## 521 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 1.541757e+00 |
| ## 522 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 6.279676e-01 |
| ## 523 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | 1.090712e+00 |
| ## 524 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 3.011160e-01 |
| ## 525 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 1.165023e-01 |
| ## 526 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -2.378796e-02 |
| ## 527 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | -5.519681e-01 |
| ## 528 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -1.297620e+00 |
| ## 529 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -2.627980e+00 |
| ## 530 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -2.972496e+00 |
| ## 531 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | -2.511227e+00 |
| ## 532 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -2.221577e+00 |
| ## 533 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 1.280055e-01 |
| ## 534 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -5.957267e-01 |
| ## 535 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | -2.965548e+00 |
| ## 536 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -2.977684e+00 |
| ## 537 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -4.319208e+00 |
| ## 538 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -3.197607e+00 |
| ## 539 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | -1.126457e+00 |

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| ## 540 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -1.166379e+00 |
| ## 541 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -5.106380e-01 |
| ## 542 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -3.032384e+00 |
| ## 543 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | -3.045329e+00 |
| ## 544 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -1.676258e+00 |
| ## 545 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -1.296749e+00 |
| ## 546 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -4.672028e-01 |
| ## 547 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | 2.247772e-01 |
| ## 548 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -1.433831e+00 |
| ## 549 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -1.791399e+00 |
| ## 550 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -1.414820e+00 |
| ## 551 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | -4.752937e+00 |
| ## 552 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -5.614163e+00 |
| ## 553 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -6.154217e+00 |
| ## 554 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -5.838941e+00 |
| ## 555 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | -5.277094e+00 |
| ## 556 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -5.369782e+00 |
| ## 557 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -4.463763e+00 |
| ## 558 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -3.875866e+00 |
| ## 559 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | -2.580453e+00 |
| ## 560 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -4.883210e+00 |
| ## 561 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -6.159230e+00 |
| ## 562 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -5.962227e+00 |
| ## 563 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | -6.944754e+00 |
| ## 564 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -4.793650e+00 |
| ## 565 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -4.655447e+00 |
| ## 566 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -6.980145e+00 |
| ## 567 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | -4.928887e+00 |
| ## 568 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -6.589229e+00 |
| ## 569 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -7.647735e+00 |
| ## 570 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -5.595987e+00 |
| ## 571 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | -5.143411e+00 |
| ## 572 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -3.142322e+00 |
| ## 573 | -0.25 | -0.25 | 0 | 0 | 0 | 1 | RIRR | -1.721898e+00 |
| ## 574 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -2.575810e+00 |
| ## 575 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | -2.073824e+00 |
| ## 576 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -2.053291e+00 |
| ## 577 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -3.491724e+00 |
| ## 578 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -5.029329e+00 |

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| ## 579 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | -4.924672e+00 |
| ## 580 | -0.25 | -0.25 | -1 | 0 | 0 | 0 | RIRR | -4.690282e+00 |
| ## 581 | -0.25 | -0.25 | 0 | 1 | 0 | 0 | RIRR | -7.048290e+00 |
| ## 582 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -5.841618e+00 |
| ## 583 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | -9.888123e+00 |
| ## 584 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -9.909427e+00 |
| ## 585 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -7.101534e+00 |
| ## 586 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -6.528223e+00 |
| ## 587 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | -5.749548e+00 |
| ## 588 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -4.743048e+00 |
| ## 589 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -1.951117e+00 |
| ## 590 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -1.289450e+00 |
| ## 591 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | -1.203332e+00 |
| ## 592 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 1.959696e-01 |
| ## 593 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -5.028839e-01 |
| ## 594 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -7.353102e-01 |
| ## 595 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | -1.555133e+00 |
| ## 596 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -2.036618e+00 |
| ## 597 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -3.956227e+00 |
| ## 598 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -2.500893e+00 |
| ## 599 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | -1.759802e+00 |
| ## 600 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -2.230160e+00 |
| ## 601 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -3.763125e+00 |
| ## 602 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -4.590369e+00 |
| ## 603 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | -4.229884e+00 |
| ## 604 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -4.135107e+00 |
| ## 605 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -2.656410e+00 |
| ## 606 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -2.181233e+00 |
| ## 607 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | -3.216449e+00 |
| ## 608 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -5.444370e-01 |
| ## 609 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 1.785545e+00 |
| ## 610 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 8.209902e-01 |
| ## 611 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | 1.605915e+00 |
| ## 612 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 7.455631e-01 |
| ## 613 | -0.25 | -0.25 | 0 | 0 | 1 | 0 | RIRR | -1.885642e-01 |
| ## 614 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 2.464659e+00 |
| ## 615 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | 2.168717e+00 |
| ## 616 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 2.224248e+00 |
| ## 617 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 2.049013e+00 |

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| ## 618 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 1.983692e+00 |
| ## 619 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | 4.127491e+00 |
| ## 620 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 4.159932e+00 |
| ## 621 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 3.780939e+00 |
| ## 622 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 5.600860e+00 |
| ## 623 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | 3.614107e+00 |
| ## 624 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 3.310254e+00 |
| ## 625 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 2.364570e+00 |
| ## 626 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 2.176791e+00 |
| ## 627 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | 2.877148e+00 |
| ## 628 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 4.629985e+00 |
| ## 629 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 5.088897e+00 |
| ## 630 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 5.756988e+00 |
| ## 631 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | 6.351464e+00 |
| ## 632 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 4.572783e+00 |
| ## 633 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 3.645886e+00 |
| ## 634 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 4.453639e+00 |
| ## 635 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | 8.318916e+00 |
| ## 636 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 8.880407e+00 |
| ## 637 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 7.763642e+00 |
| ## 638 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 6.649025e+00 |
| ## 639 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | 4.482066e+00 |
| ## 640 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 3.938038e+00 |
| ## 641 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 2.691264e+00 |
| ## 642 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 3.340682e+00 |
| ## 643 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | 3.609358e+00 |
| ## 644 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 3.732285e+00 |
| ## 645 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 2.905044e+00 |
| ## 646 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.703053e-01 |
| ## 647 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.625069e-01 |
| ## 648 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.319613e-01 |
| ## 649 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.366522e-01 |
| ## 650 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.748695e-01 |
| ## 651 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.512140e-01 |
| ## 652 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.433715e-01 |
| ## 653 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.237477e-01 |
| ## 654 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.247335e-01 |
| ## 655 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.167892e-01 |
| ## 656 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.925254e-01 |

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| ## 657 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.690840e-01 |
| ## 658 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.721357e-01 |
| ## 659 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.617995e-01 |
| ## 660 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.744473e-01 |
| ## 661 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.728982e-01 |
| ## 662 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.177061e-01 |
| ## 663 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.233976e-01 |
| ## 664 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.214329e-01 |
| ## 665 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.033769e-01 |
| ## 666 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.233138e-01 |
| ## 667 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.345045e-01 |
| ## 668 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.204093e-01 |
| ## 669 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.948382e-01 |
| ## 670 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.069281e-01 |
| ## 671 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.727028e-01 |
| ## 672 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.828730e-01 |
| ## 673 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.371008e-01 |
| ## 674 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.457398e-01 |
| ## 675 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.352848e-01 |
| ## 676 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.164444e-01 |
| ## 677 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 4.845140e-01 |
| ## 678 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.136739e-01 |
| ## 679 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.172846e-01 |
| ## 680 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 4.842628e-01 |
| ## 681 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 4.600101e-01 |
| ## 682 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 4.872309e-01 |
| ## 683 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 4.632189e-01 |
| ## 684 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 4.693427e-01 |
| ## 685 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 4.784981e-01 |
| ## 686 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 4.883086e-01 |
| ## 687 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.144170e-01 |
| ## 688 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.306978e-01 |
| ## 689 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.262473e-01 |
| ## 690 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.238137e-01 |
| ## 691 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.417593e-01 |
| ## 692 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.448650e-01 |
| ## 693 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.492999e-01 |
| ## 694 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.352936e-01 |
| ## 695 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.176802e-01 |

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| ## 696 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.176580e-01 |
| ## 697 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 4.880784e-01 |
| ## 698 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 4.541550e-01 |
| ## 699 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 4.425820e-01 |
| ## 700 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 4.413623e-01 |
| ## 701 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 4.445090e-01 |
| ## 702 | -0.25 | -0.25 | 0 | 0 | 0 | 1 | LRGDPPCR | 4.428785e-01 |
| ## 703 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 4.595823e-01 |
| ## 704 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 4.221863e-01 |
| ## 705 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 4.116517e-01 |
| ## 706 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 3.955484e-01 |
| ## 707 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 3.707546e-01 |
| ## 708 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 3.520471e-01 |
| ## 709 | -0.25 | -0.25 | -1 | 0 | 0 | 0 | LRGDPPCR | 3.515639e-01 |
| ## 710 | -0.25 | -0.25 | 0 | 1 | 0 | 0 | LRGDPPCR | 3.320695e-01 |
| ## 711 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 3.223656e-01 |
| ## 712 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 3.098186e-01 |
| ## 713 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 3.000712e-01 |
| ## 714 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 3.104859e-01 |
| ## 715 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 2.913070e-01 |
| ## 716 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 2.787468e-01 |
| ## 717 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 2.711526e-01 |
| ## 718 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 2.758838e-01 |
| ## 719 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 2.687147e-01 |
| ## 720 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 2.634942e-01 |
| ## 721 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 2.580697e-01 |
| ## 722 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 2.507328e-01 |
| ## 723 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 2.491146e-01 |
| ## 724 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 2.377412e-01 |
| ## 725 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 2.189798e-01 |
| ## 726 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 2.008094e-01 |
| ## 727 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 1.872042e-01 |
| ## 728 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 1.764311e-01 |
| ## 729 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 1.683808e-01 |
| ## 730 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 1.539095e-01 |
| ## 731 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 1.404335e-01 |
| ## 732 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 1.377884e-01 |
| ## 733 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 1.285055e-01 |
| ## 734 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 1.049758e-01 |

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| ## 735 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 9.792758e-02 |
| ## 736 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 7.950514e-02 |
| ## 737 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.367285e-02 |
| ## 738 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 7.207229e-02 |
| ## 739 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 7.868629e-02 |
| ## 740 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 8.316000e-02 |
| ## 741 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 8.083906e-02 |
| ## 742 | -0.25 | -0.25 | 0 | 0 | 1 | 0 | LRGDPPCR | 6.362186e-02 |
| ## 743 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.557105e-02 |
| ## 744 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.431522e-02 |
| ## 745 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.899015e-02 |
| ## 746 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.501805e-02 |
| ## 747 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.002548e-02 |
| ## 748 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.667886e-02 |
| ## 749 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.189216e-02 |
| ## 750 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.027981e-02 |
| ## 751 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.432206e-02 |
| ## 752 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.842782e-02 |
| ## 753 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.693154e-02 |
| ## 754 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.879513e-02 |
| ## 755 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.757971e-02 |
| ## 756 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 4.983737e-02 |
| ## 757 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 4.099840e-02 |
| ## 758 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 3.088541e-02 |
| ## 759 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 2.880637e-02 |
| ## 760 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 2.141910e-02 |
| ## 761 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 1.699532e-02 |
| ## 762 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 1.336302e-02 |
| ## 763 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 1.307127e-02 |
| ## 764 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 8.375567e-03 |
| ## 765 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 7.005710e-03 |
| ## 766 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 1.284296e-03 |
| ## 767 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | -3.679943e-03 |
| ## 768 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 3.936768e-04 |
| ## 769 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 2.012117e-03 |
| ## 770 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | -2.170126e-03 |
| ## 771 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.084205e-05 |
| ## 772 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 8.641962e-04 |
| ## 773 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 4.412988e-03 |

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| ## 774 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 3.039486e-03 |
| ## 775 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.586157e+00 |
| ## 776 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.578278e+00 |
| ## 777 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.590260e+00 |
| ## 778 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.588329e+00 |
| ## 779 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.593941e+00 |
| ## 780 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.601564e+00 |
| ## 781 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.590767e+00 |
| ## 782 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.562332e+00 |
| ## 783 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.487737e+00 |
| ## 784 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.503064e+00 |
| ## 785 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.474530e+00 |
| ## 786 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.501327e+00 |
| ## 787 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.518704e+00 |
| ## 788 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.536034e+00 |
| ## 789 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.536249e+00 |
| ## 790 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.566810e+00 |
| ## 791 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.569854e+00 |
| ## 792 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.537676e+00 |
| ## 793 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.581458e+00 |
| ## 794 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.560277e+00 |
| ## 795 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.563236e+00 |
| ## 796 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.584423e+00 |
| ## 797 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.615154e+00 |
| ## 798 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.490096e+00 |
| ## 799 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.505239e+00 |
| ## 800 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.550573e+00 |
| ## 801 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.574367e+00 |
| ## 802 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.592490e+00 |
| ## 803 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.602266e+00 |
| ## 804 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.610821e+00 |
| ## 805 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.613469e+00 |
| ## 806 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.590124e+00 |
| ## 807 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.560800e+00 |
| ## 808 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.566291e+00 |
| ## 809 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.537569e+00 |
| ## 810 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.529117e+00 |
| ## 811 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.549340e+00 |
| ## 812 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.598548e+00 |

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| ## 813 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.613502e+00 |
| ## 814 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.634276e+00 |
| ## 815 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.630805e+00 |
| ## 816 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.675722e+00 |
| ## 817 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.728832e+00 |
| ## 818 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.801723e+00 |
| ## 819 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.823127e+00 |
| ## 820 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.812049e+00 |
| ## 821 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.785184e+00 |
| ## 822 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.738039e+00 |
| ## 823 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.755456e+00 |
| ## 824 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.726680e+00 |
| ## 825 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.725498e+00 |
| ## 826 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.793419e+00 |
| ## 827 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.834773e+00 |
| ## 828 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.867765e+00 |
| ## 829 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.893052e+00 |
| ## 830 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.852759e+00 |
| ## 831 | -0.25 | -0.25 | 0 | 0 | 0 | 1 | LREERS | 4.811724e+00 |
| ## 832 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.797964e+00 |
| ## 833 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.665889e+00 |
| ## 834 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.593131e+00 |
| ## 835 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.573680e+00 |
| ## 836 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.590530e+00 |
| ## 837 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.436870e+00 |
| ## 838 | -0.25 | -0.25 | -1 | 0 | 0 | 0 | LREERS | 4.265071e+00 |
| ## 839 | -0.25 | -0.25 | 0 | 1 | 0 | 0 | LREERS | 4.481118e+00 |
| ## 840 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.440649e+00 |
| ## 841 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.336637e+00 |
| ## 842 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.481608e+00 |
| ## 843 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.524285e+00 |
| ## 844 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.551031e+00 |
| ## 845 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.563931e+00 |
| ## 846 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.562958e+00 |
| ## 847 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.543649e+00 |
| ## 848 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.505571e+00 |
| ## 849 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.495393e+00 |
| ## 850 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.494388e+00 |
| ## 851 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.525550e+00 |

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| ## 852 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.516958e+00 |
| ## 853 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.520157e+00 |
| ## 854 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.558987e+00 |
| ## 855 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.588668e+00 |
| ## 856 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.576359e+00 |
| ## 857 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.565459e+00 |
| ## 858 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.587481e+00 |
| ## 859 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.611318e+00 |
| ## 860 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.618514e+00 |
| ## 861 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.627910e+00 |
| ## 862 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.643461e+00 |
| ## 863 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.637960e+00 |
| ## 864 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.648517e+00 |
| ## 865 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.645800e+00 |
| ## 866 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.657952e+00 |
| ## 867 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.661393e+00 |
| ## 868 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.632591e+00 |
| ## 869 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.615187e+00 |
| ## 870 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.634600e+00 |
| ## 871 | -0.25 | -0.25 | 0 | 0 | 1 | 0 | LREERS | 4.657288e+00 |
| ## 872 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.605170e+00 |
| ## 873 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.602934e+00 |
| ## 874 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.616077e+00 |
| ## 875 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.609328e+00 |
| ## 876 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.572199e+00 |
| ## 877 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.609926e+00 |
| ## 878 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.628301e+00 |
| ## 879 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.625234e+00 |
| ## 880 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.524755e+00 |
| ## 881 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.505387e+00 |
| ## 882 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.497548e+00 |
| ## 883 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.591004e+00 |
| ## 884 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.621404e+00 |
| ## 885 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.611881e+00 |
| ## 886 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.586021e+00 |
| ## 887 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.597037e+00 |
| ## 888 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.564765e+00 |
| ## 889 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.403870e+00 |
| ## 890 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.459373e+00 |

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| ## 891 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.428473e+00 |
| ## 892 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.461146e+00 |
| ## 893 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.469045e+00 |
| ## 894 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.462262e+00 |
| ## 895 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.468243e+00 |
| ## 896 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.422168e+00 |
| ## 897 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.426004e+00 |
| ## 898 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.382443e+00 |
| ## 899 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.345060e+00 |
| ## 900 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.351181e+00 |
| ## 901 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.284276e+00 |
| ## 902 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.102533e+00 |
| ## 903 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.035832e+00 |
| ## 904 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -5.410688e-01 |
| ## 905 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -5.090597e-02 |
| ## 906 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | -7.069712e-01 |
| ## 907 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 9.060822e-01 |
| ## 908 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 1.541757e+00 |
| ## 909 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 6.279676e-01 |
| ## 910 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | 1.090712e+00 |
| ## 911 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 3.011160e-01 |
| ## 912 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 1.165023e-01 |
| ## 913 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -2.378796e-02 |
| ## 914 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | -5.519681e-01 |
| ## 915 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -1.297620e+00 |
| ## 916 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -2.627980e+00 |
| ## 917 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -2.972496e+00 |
| ## 918 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | -2.511227e+00 |
| ## 919 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -2.221577e+00 |
| ## 920 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 1.280055e-01 |
| ## 921 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -5.957267e-01 |
| ## 922 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | -2.965548e+00 |
| ## 923 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -2.977684e+00 |
| ## 924 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -4.319208e+00 |
| ## 925 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -3.197607e+00 |
| ## 926 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | -1.126457e+00 |
| ## 927 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -1.166379e+00 |
| ## 928 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -5.106380e-01 |
| ## 929 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -3.032384e+00 |

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| ## 930 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | -3.045329e+00 |
| ## 931 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -1.676258e+00 |
| ## 932 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -1.296749e+00 |
| ## 933 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -4.672028e-01 |
| ## 934 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | 2.247772e-01 |
| ## 935 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -1.433831e+00 |
| ## 936 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -1.791399e+00 |
| ## 937 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -1.414820e+00 |
| ## 938 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | -4.752937e+00 |
| ## 939 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -5.614163e+00 |
| ## 940 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -6.154217e+00 |
| ## 941 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -5.838941e+00 |
| ## 942 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | -5.277094e+00 |
| ## 943 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -5.369782e+00 |
| ## 944 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -4.463763e+00 |
| ## 945 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -3.875866e+00 |
| ## 946 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | -2.580453e+00 |
| ## 947 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -4.883210e+00 |
| ## 948 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -6.159230e+00 |
| ## 949 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -5.962227e+00 |
| ## 950 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | -6.944754e+00 |
| ## 951 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -4.793650e+00 |
| ## 952 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -4.655447e+00 |
| ## 953 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -6.980145e+00 |
| ## 954 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | -4.928887e+00 |
| ## 955 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -6.589229e+00 |
| ## 956 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -7.647735e+00 |
| ## 957 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -5.595987e+00 |
| ## 958 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | -5.143411e+00 |
| ## 959 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -3.142322e+00 |
| ## 960 | -0.25 | -0.25 | 0 | 0 | 0 | 1 | RIRR | -1.721898e+00 |
| ## 961 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -2.575810e+00 |
| ## 962 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | -2.073824e+00 |
| ## 963 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -2.053291e+00 |
| ## 964 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -3.491724e+00 |
| ## 965 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -5.029329e+00 |
| ## 966 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | -4.924672e+00 |
| ## 967 | -0.25 | -0.25 | -1 | 0 | 0 | 0 | RIRR | -4.690282e+00 |
| ## 968 | -0.25 | -0.25 | 0 | 1 | 0 | 0 | RIRR | -7.048290e+00 |

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| ## 969 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -5.841618e+00 |
| ## 970 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | -9.888123e+00 |
| ## 971 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -9.909427e+00 |
| ## 972 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -7.101534e+00 |
| ## 973 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -6.528223e+00 |
| ## 974 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | -5.749548e+00 |
| ## 975 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -4.743048e+00 |
| ## 976 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -1.951117e+00 |
| ## 977 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -1.289450e+00 |
| ## 978 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | -1.203332e+00 |
| ## 979 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 1.959696e-01 |
| ## 980 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -5.028839e-01 |
| ## 981 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -7.353102e-01 |
| ## 982 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | -1.555133e+00 |
| ## 983 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -2.036618e+00 |
| ## 984 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -3.956227e+00 |
| ## 985 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -2.500893e+00 |
| ## 986 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | -1.759802e+00 |
| ## 987 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -2.230160e+00 |
| ## 988 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -3.763125e+00 |
| ## 989 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -4.590369e+00 |
| ## 990 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | -4.229884e+00 |
| ## 991 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -4.135107e+00 |
| ## 992 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -2.656410e+00 |
| ## 993 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -2.181233e+00 |
| ## 994 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | -3.216449e+00 |
| ## 995 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -5.444370e-01 |
| ## 996 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 1.785545e+00 |
| ## 997 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 8.209902e-01 |
| ## 998 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | 1.605915e+00 |
| ## 999 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 7.455631e-01 |
| ## 1000 | -0.25 | -0.25 | 0 | 0 | 1 | 0 | RIRR | -1.885642e-01 |
| ## 1001 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 2.464659e+00 |
| ## 1002 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | 2.168717e+00 |
| ## 1003 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 2.224248e+00 |
| ## 1004 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 2.049013e+00 |
| ## 1005 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 1.983692e+00 |
| ## 1006 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | 4.127491e+00 |
| ## 1007 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 4.159932e+00 |

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| ## 1008 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 3.780939e+00 |
| ## 1009 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 5.600860e+00 |
| ## 1010 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | 3.614107e+00 |
| ## 1011 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 3.310254e+00 |
| ## 1012 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 2.364570e+00 |
| ## 1013 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 2.176791e+00 |
| ## 1014 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | 2.877148e+00 |
| ## 1015 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 4.629985e+00 |
| ## 1016 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 5.088897e+00 |
| ## 1017 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 5.756988e+00 |
| ## 1018 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | 6.351464e+00 |
| ## 1019 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 4.572783e+00 |
| ## 1020 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 3.645886e+00 |
| ## 1021 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 4.453639e+00 |
| ## 1022 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | 8.318916e+00 |
| ## 1023 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 8.880407e+00 |
| ## 1024 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 7.763642e+00 |
| ## 1025 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 6.649025e+00 |
| ## 1026 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | 4.482066e+00 |
| ## 1027 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 3.938038e+00 |
| ## 1028 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 2.691264e+00 |
| ## 1029 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 3.340682e+00 |
| ## 1030 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | 3.609358e+00 |
| ## 1031 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 3.732285e+00 |
| ## 1032 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 2.905044e+00 |
| ## 1033 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.703053e-01 |
| ## 1034 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.625069e-01 |
| ## 1035 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.319613e-01 |
| ## 1036 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.366522e-01 |
| ## 1037 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.748695e-01 |
| ## 1038 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.512140e-01 |
| ## 1039 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.433715e-01 |
| ## 1040 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.237477e-01 |
| ## 1041 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.247335e-01 |
| ## 1042 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.167892e-01 |
| ## 1043 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.925254e-01 |
| ## 1044 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.690840e-01 |
| ## 1045 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.721357e-01 |
| ## 1046 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.617995e-01 |

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| ## 1047 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.744473e-01 |
| ## 1048 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.728982e-01 |
| ## 1049 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.177061e-01 |
| ## 1050 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.233976e-01 |
| ## 1051 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.214329e-01 |
| ## 1052 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.033769e-01 |
| ## 1053 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.233138e-01 |
| ## 1054 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.345045e-01 |
| ## 1055 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.204093e-01 |
| ## 1056 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.948382e-01 |
| ## 1057 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.069281e-01 |
| ## 1058 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.727028e-01 |
| ## 1059 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.828730e-01 |
| ## 1060 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.371008e-01 |
| ## 1061 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.457398e-01 |
| ## 1062 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.352848e-01 |
| ## 1063 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.164444e-01 |
| ## 1064 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 4.845140e-01 |
| ## 1065 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.136739e-01 |
| ## 1066 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.172846e-01 |
| ## 1067 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 4.842628e-01 |
| ## 1068 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 4.600101e-01 |
| ## 1069 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 4.872309e-01 |
| ## 1070 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 4.632189e-01 |
| ## 1071 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 4.693427e-01 |
| ## 1072 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 4.784981e-01 |
| ## 1073 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 4.883086e-01 |
| ## 1074 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.144170e-01 |
| ## 1075 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.306978e-01 |
| ## 1076 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.262473e-01 |
| ## 1077 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.238137e-01 |
| ## 1078 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.417593e-01 |
| ## 1079 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.448650e-01 |
| ## 1080 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.492999e-01 |
| ## 1081 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.352936e-01 |
| ## 1082 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.176802e-01 |
| ## 1083 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.176580e-01 |
| ## 1084 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 4.880784e-01 |
| ## 1085 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 4.541550e-01 |

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|---------|-------|-------|----|---|---|---|----------|--------------|
| ## 1086 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 4.425820e-01 |
| ## 1087 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 4.413623e-01 |
| ## 1088 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 4.445090e-01 |
| ## 1089 | -0.25 | -0.25 | 0 | 0 | 0 | 1 | LRGDPPCR | 4.428785e-01 |
| ## 1090 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 4.595823e-01 |
| ## 1091 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 4.221863e-01 |
| ## 1092 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 4.116517e-01 |
| ## 1093 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 3.955484e-01 |
| ## 1094 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 3.707546e-01 |
| ## 1095 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 3.520471e-01 |
| ## 1096 | -0.25 | -0.25 | -1 | 0 | 0 | 0 | LRGDPPCR | 3.515639e-01 |
| ## 1097 | -0.25 | -0.25 | 0 | 1 | 0 | 0 | LRGDPPCR | 3.320695e-01 |
| ## 1098 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 3.223656e-01 |
| ## 1099 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 3.098186e-01 |
| ## 1100 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 3.000712e-01 |
| ## 1101 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 3.104859e-01 |
| ## 1102 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 2.913070e-01 |
| ## 1103 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 2.787468e-01 |
| ## 1104 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 2.711526e-01 |
| ## 1105 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 2.758838e-01 |
| ## 1106 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 2.687147e-01 |
| ## 1107 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 2.634942e-01 |
| ## 1108 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 2.580697e-01 |
| ## 1109 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 2.507328e-01 |
| ## 1110 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 2.491146e-01 |
| ## 1111 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 2.377412e-01 |
| ## 1112 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 2.189798e-01 |
| ## 1113 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 2.008094e-01 |
| ## 1114 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 1.872042e-01 |
| ## 1115 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 1.764311e-01 |
| ## 1116 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 1.683808e-01 |
| ## 1117 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 1.539095e-01 |
| ## 1118 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 1.404335e-01 |
| ## 1119 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 1.377884e-01 |
| ## 1120 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 1.285055e-01 |
| ## 1121 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 1.049758e-01 |
| ## 1122 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 9.792758e-02 |
| ## 1123 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 7.950514e-02 |
| ## 1124 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.367285e-02 |

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|---------|-------|-------|---|---|---|---|----------|---------------|
| ## 1125 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 7.207229e-02 |
| ## 1126 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 7.868629e-02 |
| ## 1127 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 8.316000e-02 |
| ## 1128 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 8.083906e-02 |
| ## 1129 | -0.25 | -0.25 | 0 | 0 | 1 | 0 | LRGDPPCR | 6.362186e-02 |
| ## 1130 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.557105e-02 |
| ## 1131 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.431522e-02 |
| ## 1132 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.899015e-02 |
| ## 1133 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.501805e-02 |
| ## 1134 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.002548e-02 |
| ## 1135 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.667886e-02 |
| ## 1136 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.189216e-02 |
| ## 1137 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.027981e-02 |
| ## 1138 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.432206e-02 |
| ## 1139 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.842782e-02 |
| ## 1140 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.693154e-02 |
| ## 1141 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.879513e-02 |
| ## 1142 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.757971e-02 |
| ## 1143 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 4.983737e-02 |
| ## 1144 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 4.099840e-02 |
| ## 1145 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 3.088541e-02 |
| ## 1146 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 2.880637e-02 |
| ## 1147 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 2.141910e-02 |
| ## 1148 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 1.699532e-02 |
| ## 1149 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 1.336302e-02 |
| ## 1150 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 1.307127e-02 |
| ## 1151 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 8.375567e-03 |
| ## 1152 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 7.005710e-03 |
| ## 1153 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 1.284296e-03 |
| ## 1154 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | -3.679943e-03 |
| ## 1155 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 3.936768e-04 |
| ## 1156 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 2.012117e-03 |
| ## 1157 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | -2.170126e-03 |
| ## 1158 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.084205e-05 |
| ## 1159 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 8.641962e-04 |
| ## 1160 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 4.412988e-03 |
| ## 1161 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 3.039486e-03 |
| ## 1162 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.586157e+00 |
| ## 1163 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.578278e+00 |

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| ## 1164 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.590260e+00 |
| ## 1165 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.588329e+00 |
| ## 1166 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.593941e+00 |
| ## 1167 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.601564e+00 |
| ## 1168 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.590767e+00 |
| ## 1169 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.562332e+00 |
| ## 1170 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.487737e+00 |
| ## 1171 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.503064e+00 |
| ## 1172 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.474530e+00 |
| ## 1173 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.501327e+00 |
| ## 1174 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.518704e+00 |
| ## 1175 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.536034e+00 |
| ## 1176 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.536249e+00 |
| ## 1177 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.566810e+00 |
| ## 1178 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.569854e+00 |
| ## 1179 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.537676e+00 |
| ## 1180 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.581458e+00 |
| ## 1181 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.560277e+00 |
| ## 1182 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.563236e+00 |
| ## 1183 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.584423e+00 |
| ## 1184 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.615154e+00 |
| ## 1185 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.490096e+00 |
| ## 1186 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.505239e+00 |
| ## 1187 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.550573e+00 |
| ## 1188 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.574367e+00 |
| ## 1189 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.592490e+00 |
| ## 1190 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.602266e+00 |
| ## 1191 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.610821e+00 |
| ## 1192 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.613469e+00 |
| ## 1193 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.590124e+00 |
| ## 1194 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.560800e+00 |
| ## 1195 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.566291e+00 |
| ## 1196 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.537569e+00 |
| ## 1197 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.529117e+00 |
| ## 1198 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.549340e+00 |
| ## 1199 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.598548e+00 |
| ## 1200 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.613502e+00 |
| ## 1201 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.634276e+00 |
| ## 1202 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.630805e+00 |

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| ## 1203 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.675722e+00 |
| ## 1204 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.728832e+00 |
| ## 1205 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.801723e+00 |
| ## 1206 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.823127e+00 |
| ## 1207 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.812049e+00 |
| ## 1208 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.785184e+00 |
| ## 1209 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.738039e+00 |
| ## 1210 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.755456e+00 |
| ## 1211 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.726680e+00 |
| ## 1212 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.725498e+00 |
| ## 1213 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.793419e+00 |
| ## 1214 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.834773e+00 |
| ## 1215 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.867765e+00 |
| ## 1216 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.893052e+00 |
| ## 1217 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.852759e+00 |
| ## 1218 | -0.25 | -0.25 | 0 | 0 | 0 | 1 | LREERS | 4.811724e+00 |
| ## 1219 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.797964e+00 |
| ## 1220 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.665889e+00 |
| ## 1221 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.593131e+00 |
| ## 1222 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.573680e+00 |
| ## 1223 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.590530e+00 |
| ## 1224 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.436870e+00 |
| ## 1225 | -0.25 | -0.25 | -1 | 0 | 0 | 0 | LREERS | 4.265071e+00 |
| ## 1226 | -0.25 | -0.25 | 0 | 1 | 0 | 0 | LREERS | 4.481118e+00 |
| ## 1227 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.440649e+00 |
| ## 1228 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.336637e+00 |
| ## 1229 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.481608e+00 |
| ## 1230 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.524285e+00 |
| ## 1231 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.551031e+00 |
| ## 1232 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.563931e+00 |
| ## 1233 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.562958e+00 |
| ## 1234 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.543649e+00 |
| ## 1235 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.505571e+00 |
| ## 1236 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.495393e+00 |
| ## 1237 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.494388e+00 |
| ## 1238 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.525550e+00 |
| ## 1239 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.516958e+00 |
| ## 1240 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.520157e+00 |
| ## 1241 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.558987e+00 |

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| ## 1242 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.588668e+00 |
| ## 1243 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.576359e+00 |
| ## 1244 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.565459e+00 |
| ## 1245 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.587481e+00 |
| ## 1246 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.611318e+00 |
| ## 1247 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.618514e+00 |
| ## 1248 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.627910e+00 |
| ## 1249 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.643461e+00 |
| ## 1250 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.637960e+00 |
| ## 1251 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.648517e+00 |
| ## 1252 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.645800e+00 |
| ## 1253 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.657952e+00 |
| ## 1254 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.661393e+00 |
| ## 1255 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.632591e+00 |
| ## 1256 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.615187e+00 |
| ## 1257 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.634600e+00 |
| ## 1258 | -0.25 | -0.25 | 0 | 0 | 1 | 0 | LREERS | 4.657288e+00 |
| ## 1259 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.605170e+00 |
| ## 1260 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.602934e+00 |
| ## 1261 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.616077e+00 |
| ## 1262 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.609328e+00 |
| ## 1263 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.572199e+00 |
| ## 1264 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.609926e+00 |
| ## 1265 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.628301e+00 |
| ## 1266 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.625234e+00 |
| ## 1267 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.524755e+00 |
| ## 1268 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.505387e+00 |
| ## 1269 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.497548e+00 |
| ## 1270 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.591004e+00 |
| ## 1271 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.621404e+00 |
| ## 1272 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.611881e+00 |
| ## 1273 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.586021e+00 |
| ## 1274 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.597037e+00 |
| ## 1275 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.564765e+00 |
| ## 1276 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.403870e+00 |
| ## 1277 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.459373e+00 |
| ## 1278 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.428473e+00 |
| ## 1279 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.461146e+00 |
| ## 1280 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.469045e+00 |

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| ## 1281 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.462262e+00 |
| ## 1282 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.468243e+00 |
| ## 1283 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.422168e+00 |
| ## 1284 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.426004e+00 |
| ## 1285 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.382443e+00 |
| ## 1286 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.345060e+00 |
| ## 1287 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.351181e+00 |
| ## 1288 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LREERS | 4.284276e+00 |
| ## 1289 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.102533e+00 |
| ## 1290 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LREERS | 4.035832e+00 |
| ## 1291 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -5.410688e-01 |
| ## 1292 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -5.090597e-02 |
| ## 1293 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | -7.069712e-01 |
| ## 1294 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 9.060822e-01 |
| ## 1295 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 1.541757e+00 |
| ## 1296 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 6.279676e-01 |
| ## 1297 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | 1.090712e+00 |
| ## 1298 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 3.011160e-01 |
| ## 1299 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 1.165023e-01 |
| ## 1300 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -2.378796e-02 |
| ## 1301 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | -5.519681e-01 |
| ## 1302 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -1.297620e+00 |
| ## 1303 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -2.627980e+00 |
| ## 1304 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -2.972496e+00 |
| ## 1305 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | -2.511227e+00 |
| ## 1306 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -2.221577e+00 |
| ## 1307 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 1.280055e-01 |
| ## 1308 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -5.957267e-01 |
| ## 1309 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | -2.965548e+00 |
| ## 1310 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -2.977684e+00 |
| ## 1311 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -4.319208e+00 |
| ## 1312 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -3.197607e+00 |
| ## 1313 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | -1.126457e+00 |
| ## 1314 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -1.166379e+00 |
| ## 1315 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -5.106380e-01 |
| ## 1316 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -3.032384e+00 |
| ## 1317 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | -3.045329e+00 |
| ## 1318 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -1.676258e+00 |
| ## 1319 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -1.296749e+00 |

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| ## 1320 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -4.672028e-01 |
| ## 1321 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | 2.247772e-01 |
| ## 1322 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -1.433831e+00 |
| ## 1323 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -1.791399e+00 |
| ## 1324 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -1.414820e+00 |
| ## 1325 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | -4.752937e+00 |
| ## 1326 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -5.614163e+00 |
| ## 1327 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -6.154217e+00 |
| ## 1328 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -5.838941e+00 |
| ## 1329 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | -5.277094e+00 |
| ## 1330 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -5.369782e+00 |
| ## 1331 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -4.463763e+00 |
| ## 1332 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -3.875866e+00 |
| ## 1333 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | -2.580453e+00 |
| ## 1334 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -4.883210e+00 |
| ## 1335 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -6.159230e+00 |
| ## 1336 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -5.962227e+00 |
| ## 1337 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | -6.944754e+00 |
| ## 1338 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -4.793650e+00 |
| ## 1339 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -4.655447e+00 |
| ## 1340 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -6.980145e+00 |
| ## 1341 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | -4.928887e+00 |
| ## 1342 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -6.589229e+00 |
| ## 1343 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -7.647735e+00 |
| ## 1344 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -5.595987e+00 |
| ## 1345 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | -5.143411e+00 |
| ## 1346 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -3.142322e+00 |
| ## 1347 | -0.25 | -0.25 | 0 | 0 | 0 | 1 | RIRR | -1.721898e+00 |
| ## 1348 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -2.575810e+00 |
| ## 1349 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | -2.073824e+00 |
| ## 1350 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -2.053291e+00 |
| ## 1351 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -3.491724e+00 |
| ## 1352 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -5.029329e+00 |
| ## 1353 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | -4.924672e+00 |
| ## 1354 | -0.25 | -0.25 | -1 | 0 | 0 | 0 | RIRR | -4.690282e+00 |
| ## 1355 | -0.25 | -0.25 | 0 | 1 | 0 | 0 | RIRR | -7.048290e+00 |
| ## 1356 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -5.841618e+00 |
| ## 1357 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | -9.888123e+00 |
| ## 1358 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -9.909427e+00 |

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| ## 1359 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -7.101534e+00 |
| ## 1360 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -6.528223e+00 |
| ## 1361 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | -5.749548e+00 |
| ## 1362 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -4.743048e+00 |
| ## 1363 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -1.951117e+00 |
| ## 1364 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -1.289450e+00 |
| ## 1365 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | -1.203332e+00 |
| ## 1366 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 1.959696e-01 |
| ## 1367 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -5.028839e-01 |
| ## 1368 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -7.353102e-01 |
| ## 1369 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | -1.555133e+00 |
| ## 1370 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -2.036618e+00 |
| ## 1371 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -3.956227e+00 |
| ## 1372 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -2.500893e+00 |
| ## 1373 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | -1.759802e+00 |
| ## 1374 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -2.230160e+00 |
| ## 1375 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -3.763125e+00 |
| ## 1376 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -4.590369e+00 |
| ## 1377 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | -4.229884e+00 |
| ## 1378 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -4.135107e+00 |
| ## 1379 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -2.656410e+00 |
| ## 1380 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -2.181233e+00 |
| ## 1381 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | -3.216449e+00 |
| ## 1382 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | -5.444370e-01 |
| ## 1383 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 1.785545e+00 |
| ## 1384 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 8.209902e-01 |
| ## 1385 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | 1.605915e+00 |
| ## 1386 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 7.455631e-01 |
| ## 1387 | -0.25 | -0.25 | 0 | 0 | 1 | 0 | RIRR | -1.885642e-01 |
| ## 1388 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 2.464659e+00 |
| ## 1389 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | 2.168717e+00 |
| ## 1390 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 2.224248e+00 |
| ## 1391 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 2.049013e+00 |
| ## 1392 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 1.983692e+00 |
| ## 1393 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | 4.127491e+00 |
| ## 1394 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 4.159932e+00 |
| ## 1395 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 3.780939e+00 |
| ## 1396 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 5.600860e+00 |
| ## 1397 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | 3.614107e+00 |

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| ## 1398 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 3.310254e+00 |
| ## 1399 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 2.364570e+00 |
| ## 1400 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 2.176791e+00 |
| ## 1401 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | 2.877148e+00 |
| ## 1402 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 4.629985e+00 |
| ## 1403 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 5.088897e+00 |
| ## 1404 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 5.756988e+00 |
| ## 1405 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | 6.351464e+00 |
| ## 1406 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 4.572783e+00 |
| ## 1407 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 3.645886e+00 |
| ## 1408 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 4.453639e+00 |
| ## 1409 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | 8.318916e+00 |
| ## 1410 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 8.880407e+00 |
| ## 1411 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 7.763642e+00 |
| ## 1412 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 6.649025e+00 |
| ## 1413 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | 4.482066e+00 |
| ## 1414 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 3.938038e+00 |
| ## 1415 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 2.691264e+00 |
| ## 1416 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 3.340682e+00 |
| ## 1417 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | RIRR | 3.609358e+00 |
| ## 1418 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 3.732285e+00 |
| ## 1419 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | RIRR | 2.905044e+00 |
| ## 1420 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.703053e-01 |
| ## 1421 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.625069e-01 |
| ## 1422 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.319613e-01 |
| ## 1423 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.366522e-01 |
| ## 1424 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.748695e-01 |
| ## 1425 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.512140e-01 |
| ## 1426 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.433715e-01 |
| ## 1427 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.237477e-01 |
| ## 1428 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.247335e-01 |
| ## 1429 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.167892e-01 |
| ## 1430 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.925254e-01 |
| ## 1431 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.690840e-01 |
| ## 1432 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.721357e-01 |
| ## 1433 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.617995e-01 |
| ## 1434 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.744473e-01 |
| ## 1435 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.728982e-01 |
| ## 1436 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.177061e-01 |

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| ## 1437 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.233976e-01 |
| ## 1438 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.214329e-01 |
| ## 1439 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.033769e-01 |
| ## 1440 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.233138e-01 |
| ## 1441 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.345045e-01 |
| ## 1442 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.204093e-01 |
| ## 1443 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.948382e-01 |
| ## 1444 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.069281e-01 |
| ## 1445 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.727028e-01 |
| ## 1446 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.828730e-01 |
| ## 1447 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.371008e-01 |
| ## 1448 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.457398e-01 |
| ## 1449 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.352848e-01 |
| ## 1450 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.164444e-01 |
| ## 1451 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 4.845140e-01 |
| ## 1452 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.136739e-01 |
| ## 1453 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.172846e-01 |
| ## 1454 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 4.842628e-01 |
| ## 1455 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 4.600101e-01 |
| ## 1456 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 4.872309e-01 |
| ## 1457 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 4.632189e-01 |
| ## 1458 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 4.693427e-01 |
| ## 1459 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 4.784981e-01 |
| ## 1460 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 4.883086e-01 |
| ## 1461 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.144170e-01 |
| ## 1462 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.306978e-01 |
| ## 1463 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.262473e-01 |
| ## 1464 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.238137e-01 |
| ## 1465 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.417593e-01 |
| ## 1466 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.448650e-01 |
| ## 1467 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.492999e-01 |
| ## 1468 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.352936e-01 |
| ## 1469 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.176802e-01 |
| ## 1470 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.176580e-01 |
| ## 1471 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 4.880784e-01 |
| ## 1472 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 4.541550e-01 |
| ## 1473 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 4.425820e-01 |
| ## 1474 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 4.413623e-01 |
| ## 1475 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 4.445090e-01 |

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| ## 1476 | -0.25 | -0.25 | 0 | 0 | 0 | 1 | LRGDPPCR | 4.428785e-01 |
| ## 1477 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 4.595823e-01 |
| ## 1478 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 4.221863e-01 |
| ## 1479 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 4.116517e-01 |
| ## 1480 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 3.955484e-01 |
| ## 1481 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 3.707546e-01 |
| ## 1482 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 3.520471e-01 |
| ## 1483 | -0.25 | -0.25 | -1 | 0 | 0 | 0 | LRGDPPCR | 3.515639e-01 |
| ## 1484 | -0.25 | -0.25 | 0 | 1 | 0 | 0 | LRGDPPCR | 3.320695e-01 |
| ## 1485 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 3.223656e-01 |
| ## 1486 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 3.098186e-01 |
| ## 1487 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 3.000712e-01 |
| ## 1488 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 3.104859e-01 |
| ## 1489 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 2.913070e-01 |
| ## 1490 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 2.787468e-01 |
| ## 1491 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 2.711526e-01 |
| ## 1492 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 2.758838e-01 |
| ## 1493 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 2.687147e-01 |
| ## 1494 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 2.634942e-01 |
| ## 1495 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 2.580697e-01 |
| ## 1496 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 2.507328e-01 |
| ## 1497 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 2.491146e-01 |
| ## 1498 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 2.377412e-01 |
| ## 1499 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 2.189798e-01 |
| ## 1500 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 2.008094e-01 |
| ## 1501 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 1.872042e-01 |
| ## 1502 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 1.764311e-01 |
| ## 1503 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 1.683808e-01 |
| ## 1504 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 1.539095e-01 |
| ## 1505 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 1.404335e-01 |
| ## 1506 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 1.377884e-01 |
| ## 1507 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 1.285055e-01 |
| ## 1508 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 1.049758e-01 |
| ## 1509 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 9.792758e-02 |
| ## 1510 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 7.950514e-02 |
| ## 1511 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.367285e-02 |
| ## 1512 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 7.207229e-02 |
| ## 1513 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 7.868629e-02 |
| ## 1514 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 8.316000e-02 |

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| ## 1515 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 8.083906e-02 |
| ## 1516 | -0.25 | -0.25 | 0 | 0 | 1 | 0 | LRGDPPCR | 6.362186e-02 |
| ## 1517 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.557105e-02 |
| ## 1518 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.431522e-02 |
| ## 1519 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.899015e-02 |
| ## 1520 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.501805e-02 |
| ## 1521 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.002548e-02 |
| ## 1522 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.667886e-02 |
| ## 1523 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.189216e-02 |
| ## 1524 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.027981e-02 |
| ## 1525 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.432206e-02 |
| ## 1526 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.842782e-02 |
| ## 1527 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.693154e-02 |
| ## 1528 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.879513e-02 |
| ## 1529 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 5.757971e-02 |
| ## 1530 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 4.983737e-02 |
| ## 1531 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 4.099840e-02 |
| ## 1532 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 3.088541e-02 |
| ## 1533 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 2.880637e-02 |
| ## 1534 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 2.141910e-02 |
| ## 1535 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 1.699532e-02 |
| ## 1536 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 1.336302e-02 |
| ## 1537 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 1.307127e-02 |
| ## 1538 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 8.375567e-03 |
| ## 1539 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 7.005710e-03 |
| ## 1540 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 1.284296e-03 |
| ## 1541 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | -3.679943e-03 |
| ## 1542 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 3.936768e-04 |
| ## 1543 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 2.012117e-03 |
| ## 1544 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | -2.170126e-03 |
| ## 1545 | 0.75 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 6.084205e-05 |
| ## 1546 | -0.25 | 0.75 | 0 | 0 | 0 | 0 | LRGDPPCR | 8.641962e-04 |
| ## 1547 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 4.412988e-03 |
| ## 1548 | -0.25 | -0.25 | 0 | 0 | 0 | 0 | LRGDPPCR | 3.039486e-03 |
| ## | outlier | outlier_dum | | | | | | |
| ## 1 | OPENY | 4.482143e+01 | | | | | | |
| ## 2 | OPENY | 4.609846e+01 | | | | | | |
| ## 3 | OPENY | 4.788032e+01 | | | | | | |
| ## 4 | OPENY | 4.677564e+01 | | | | | | |

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| ## 5 | OPENY | 4.748372e+01 |
| ## 6 | OPENY | 4.732549e+01 |
| ## 7 | OPENY | 4.694303e+01 |
| ## 8 | OPENY | 4.736202e+01 |
| ## 9 | OPENY | 4.570643e+01 |
| ## 10 | OPENY | 4.740256e+01 |
| ## 11 | OPENY | 4.725547e+01 |
| ## 12 | OPENY | 4.890301e+01 |
| ## 13 | OPENY | 4.755032e+01 |
| ## 14 | OPENY | 4.746292e+01 |
| ## 15 | OPENY | 4.771904e+01 |
| ## 16 | OPENY | 4.696035e+01 |
| ## 17 | OPENY | 4.926059e+01 |
| ## 18 | OPENY | 5.732780e+01 |
| ## 19 | OPENY | 5.837502e+01 |
| ## 20 | OPENY | 5.783679e+01 |
| ## 21 | OPENY | 5.740545e+01 |
| ## 22 | OPENY | 5.706323e+01 |
| ## 23 | OPENY | 5.504718e+01 |
| ## 24 | OPENY | 5.897273e+01 |
| ## 25 | OPENY | 5.763260e+01 |
| ## 26 | OPENY | 5.671491e+01 |
| ## 27 | OPENY | 5.497011e+01 |
| ## 28 | OPENY | 5.512829e+01 |
| ## 29 | OPENY | 5.566152e+01 |
| ## 30 | OPENY | 5.556562e+01 |
| ## 31 | OPENY | 5.476849e+01 |
| ## 32 | OPENY | 5.397855e+01 |
| ## 33 | OPENY | 5.445105e+01 |
| ## 34 | OPENY | 5.944711e+01 |
| ## 35 | OPENY | 5.647966e+01 |
| ## 36 | OPENY | 5.893358e+01 |
| ## 37 | OPENY | 5.528570e+01 |
| ## 38 | OPENY | 5.690623e+01 |
| ## 39 | OPENY | 6.351071e+01 |
| ## 40 | OPENY | 6.488303e+01 |
| ## 41 | OPENY | 6.357930e+01 |
| ## 42 | OPENY | 6.155220e+01 |
| ## 43 | OPENY | 6.298669e+01 |

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| ## 44 | OPENY | 6.099456e+01 |
| ## 45 | OPENY | 5.749247e+01 |
| ## 46 | OPENY | 5.735187e+01 |
| ## 47 | OPENY | 5.848377e+01 |
| ## 48 | OPENY | 6.001520e+01 |
| ## 49 | OPENY | 5.667302e+01 |
| ## 50 | OPENY | 5.298804e+01 |
| ## 51 | OPENY | 5.132981e+01 |
| ## 52 | OPENY | 5.122108e+01 |
| ## 53 | OPENY | 4.733074e+01 |
| ## 54 | OPENY | 4.516993e+01 |
| ## 55 | OPENY | 4.294913e+01 |
| ## 56 | OPENY | 4.525930e+01 |
| ## 57 | OPENY | 4.829959e+01 |
| ## 58 | OPENY | 4.625097e+01 |
| ## 59 | OPENY | 4.870354e+01 |
| ## 60 | OPENY | 5.243257e+01 |
| ## 61 | OPENY | 5.177932e+01 |
| ## 62 | OPENY | 5.227385e+01 |
| ## 63 | OPENY | 5.235816e+01 |
| ## 64 | OPENY | 5.719049e+01 |
| ## 65 | OPENY | 5.142740e+01 |
| ## 66 | OPENY | 5.294773e+01 |
| ## 67 | OPENY | 5.645585e+01 |
| ## 68 | OPENY | 4.751721e+01 |
| ## 69 | OPENY | 5.024435e+01 |
| ## 70 | OPENY | 4.713375e+01 |
| ## 71 | OPENY | 4.582855e+01 |
| ## 72 | OPENY | 4.882536e+01 |
| ## 73 | OPENY | 4.902328e+01 |
| ## 74 | OPENY | 4.924024e+01 |
| ## 75 | OPENY | 5.129988e+01 |
| ## 76 | OPENY | 5.049981e+01 |
| ## 77 | OPENY | 4.790172e+01 |
| ## 78 | OPENY | 4.974163e+01 |
| ## 79 | OPENY | 4.719973e+01 |
| ## 80 | OPENY | 4.518102e+01 |
| ## 81 | OPENY | 4.456164e+01 |
| ## 82 | OPENY | 4.197348e+01 |

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| ## 83 | OPENY | 4.293529e+01 |
| ## 84 | OPENY | 4.280271e+01 |
| ## 85 | OPENY | 3.974204e+01 |
| ## 86 | OPENY | 4.075616e+01 |
| ## 87 | OPENY | 4.066763e+01 |
| ## 88 | OPENY | 3.905241e+01 |
| ## 89 | OPENY | 3.817124e+01 |
| ## 90 | OPENY | 3.842981e+01 |
| ## 91 | OPENY | 3.962281e+01 |
| ## 92 | OPENY | 3.782570e+01 |
| ## 93 | OPENY | 3.873359e+01 |
| ## 94 | OPENY | 3.959194e+01 |
| ## 95 | OPENY | 3.889397e+01 |
| ## 96 | OPENY | 3.984392e+01 |
| ## 97 | OPENY | 3.972190e+01 |
| ## 98 | OPENY | 3.943537e+01 |
| ## 99 | OPENY | 4.316064e+01 |
| ## 100 | OPENY | 4.215039e+01 |
| ## 101 | OPENY | 4.420335e+01 |
| ## 102 | OPENY | 4.322780e+01 |
| ## 103 | OPENY | 4.645226e+01 |
| ## 104 | OPENY | 4.503468e+01 |
| ## 105 | OPENY | 4.529984e+01 |
| ## 106 | OPENY | 4.595094e+01 |
| ## 107 | OPENY | 5.065475e+01 |
| ## 108 | OPENY | 4.892693e+01 |
| ## 109 | OPENY | 4.640924e+01 |
| ## 110 | OPENY | 4.613423e+01 |
| ## 111 | OPENY | 4.961421e+01 |
| ## 112 | OPENY | 4.969010e+01 |
| ## 113 | OPENY | 4.916831e+01 |
| ## 114 | OPENY | 4.755978e+01 |
| ## 115 | OPENY | 5.376457e+01 |
| ## 116 | OPENY | 5.058068e+01 |
| ## 117 | OPENY | 4.891172e+01 |
| ## 118 | OPENY | 4.659765e+01 |
| ## 119 | OPENY | 4.809788e+01 |
| ## 120 | OPENY | 5.098685e+01 |
| ## 121 | OPENY | 5.298766e+01 |

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| ## 122 | OPENY | 5.292668e+01 |
| ## 123 | OPENY | 5.339508e+01 |
| ## 124 | OPENY | 5.826340e+01 |
| ## 125 | OPENY | 5.740647e+01 |
| ## 126 | OPENY | 5.931550e+01 |
| ## 127 | OPENY | 5.623923e+01 |
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| ## 129 | OPENY | 6.630472e+01 |
| ## 130 | OPENY | 4.482143e+01 |
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| ## 157 | OPENY | 5.512829e+01 |
| ## 158 | OPENY | 5.566152e+01 |
| ## 159 | OPENY | 5.556562e+01 |
| ## 160 | OPENY | 5.476849e+01 |

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| ## 161 | OPENY | 5.397855e+01 |
| ## 162 | OPENY | 5.445105e+01 |
| ## 163 | OPENY | 5.944711e+01 |
| ## 164 | OPENY | 5.647966e+01 |
| ## 165 | OPENY | 5.893358e+01 |
| ## 166 | OPENY | 5.528570e+01 |
| ## 167 | OPENY | 5.690623e+01 |
| ## 168 | OPENY | 6.351071e+01 |
| ## 169 | OPENY | 6.488303e+01 |
| ## 170 | OPENY | 6.357930e+01 |
| ## 171 | OPENY | 6.155220e+01 |
| ## 172 | OPENY | 6.298669e+01 |
| ## 173 | OPENY | 6.099456e+01 |
| ## 174 | OPENY | 5.749247e+01 |
| ## 175 | OPENY | 5.735187e+01 |
| ## 176 | OPENY | 5.848377e+01 |
| ## 177 | OPENY | 6.001520e+01 |
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| ## 179 | OPENY | 5.298804e+01 |
| ## 180 | OPENY | 5.132981e+01 |
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| ## 182 | OPENY | 4.733074e+01 |
| ## 183 | OPENY | 4.516993e+01 |
| ## 184 | OPENY | 4.294913e+01 |
| ## 185 | OPENY | 4.525930e+01 |
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| ## 187 | OPENY | 4.625097e+01 |
| ## 188 | OPENY | 4.870354e+01 |
| ## 189 | OPENY | 5.243257e+01 |
| ## 190 | OPENY | 5.177932e+01 |
| ## 191 | OPENY | 5.227385e+01 |
| ## 192 | OPENY | 5.235816e+01 |
| ## 193 | OPENY | 5.719049e+01 |
| ## 194 | OPENY | 5.142740e+01 |
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| ## 197 | OPENY | 4.751721e+01 |
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## 1193 LPR2COMM5 -7.241254e-02
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## 1233 LPR2COMM5 3.294798e-01
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## 1243 LPR2COMM5 1.092463e-01
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## 1263 LPR2COMM5 -1.412349e-02
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## 1458 LPR2COMM5 3.727406e-01
## 1459 LPR2COMM5 5.856118e-01
## 1460 LPR2COMM5 9.236663e-01
## 1461 LPR2COMM5 8.344046e-01
## 1462 LPR2COMM5 8.741205e-01
## 1463 LPR2COMM5 8.294053e-01
## 1464 LPR2COMM5 6.105758e-01
## 1465 LPR2COMM5 6.446720e-01
## 1466 LPR2COMM5 6.288134e-01
## 1467 LPR2COMM5 5.436343e-01
## 1468 LPR2COMM5 4.519370e-01
## 1469 LPR2COMM5 4.109943e-01
## 1470 LPR2COMM5 7.286170e-01
## 1471 LPR2COMM5 6.806625e-01
## 1472 LPR2COMM5 5.750331e-01
## 1473 LPR2COMM5 5.864481e-01
## 1474 LPR2COMM5 5.977098e-01
## 1475 LPR2COMM5 5.330623e-01
## 1476 LPR2COMM5 5.176490e-01
## 1477 LPR2COMM5 4.981345e-01
## 1478 LPR2COMM5 4.429922e-01
## 1479 LPR2COMM5 4.451409e-01
## 1480 LPR2COMM5 3.816089e-01
## 1481 LPR2COMM5 4.045460e-01
## 1482 LPR2COMM5 3.684815e-01
## 1483 LPR2COMM5 3.129197e-01
## 1484 LPR2COMM5 3.047780e-01
## 1485 LPR2COMM5 2.624014e-01
## 1486 LPR2COMM5 3.848320e-01
```

```
## 1487 LPR2COMM5 2.991915e-01
## 1488 LPR2COMM5 2.721194e-01
## 1489 LPR2COMM5 3.044015e-01
## 1490 LPR2COMM5 3.492020e-01
## 1491 LPR2COMM5 3.294798e-01
## 1492 LPR2COMM5 2.534122e-01
## 1493 LPR2COMM5 3.121583e-01
## 1494 LPR2COMM5 3.020052e-01
## 1495 LPR2COMM5 2.755530e-01
## 1496 LPR2COMM5 2.190625e-01
## 1497 LPR2COMM5 1.991157e-01
## 1498 LPR2COMM5 1.833661e-01
## 1499 LPR2COMM5 2.332285e-01
## 1500 LPR2COMM5 2.022882e-01
## 1501 LPR2COMM5 1.092463e-01
## 1502 LPR2COMM5 1.248632e-01
## 1503 LPR2COMM5 3.351407e-02
## 1504 LPR2COMM5 3.033367e-02
## 1505 LPR2COMM5 9.581877e-02
## 1506 LPR2COMM5 6.333367e-02
## 1507 LPR2COMM5 5.843613e-02
## 1508 LPR2COMM5 1.438996e-02
## 1509 LPR2COMM5 -1.312415e-02
## 1510 LPR2COMM5 -6.254130e-02
## 1511 LPR2COMM5 -3.303907e-02
## 1512 LPR2COMM5 -3.048485e-02
## 1513 LPR2COMM5 3.680574e-02
## 1514 LPR2COMM5 4.006049e-02
## 1515 LPR2COMM5 6.076395e-02
## 1516 LPR2COMM5 6.025392e-02
## 1517 LPR2COMM5 5.095962e-02
## 1518 LPR2COMM5 4.704542e-02
## 1519 LPR2COMM5 1.780896e-02
## 1520 LPR2COMM5 7.715221e-03
## 1521 LPR2COMM5 -1.412349e-02
## 1522 LPR2COMM5 9.705255e-04
## 1523 LPR2COMM5 5.345994e-03
## 1524 LPR2COMM5 2.752043e-02
## 1525 LPR2COMM5 3.174991e-02
```

```
## 1526 LPR2COMM5  1.882512e-02
## 1527 LPR2COMM5 -8.994043e-03
## 1528 LPR2COMM5 -5.545912e-03
## 1529 LPR2COMM5  1.554571e-02
## 1530 LPR2COMM5 -7.668324e-03
## 1531 LPR2COMM5 -1.111990e-01
## 1532 LPR2COMM5 -9.735373e-02
## 1533 LPR2COMM5 -1.122238e-01
## 1534 LPR2COMM5 -1.516116e-01
## 1535 LPR2COMM5 -1.899203e-01
## 1536 LPR2COMM5 -1.808369e-01
## 1537 LPR2COMM5 -1.958085e-01
## 1538 LPR2COMM5 -2.229630e-01
## 1539 LPR2COMM5 -1.798884e-01
## 1540 LPR2COMM5 -1.240465e-01
## 1541 LPR2COMM5 -2.507533e-01
## 1542 LPR2COMM5 -2.713119e-01
## 1543 LPR2COMM5 -2.716750e-01
## 1544 LPR2COMM5 -2.876914e-01
## 1545 LPR2COMM5 -2.759498e-01
## 1546 LPR2COMM5 -2.824206e-01
## 1547 LPR2COMM5 -3.051325e-01
## 1548 LPR2COMM5 -2.502257e-01
```

```
var_aic <- VAR(endog_df[,c(2:8)], type = "const", lag.max = 8,
               ic = "AIC", season = 4)
var_aic$p
```

```
## AIC(n)
##      2
```

```
vec <- ca.jo(full_df[,2:8], type = "trace", ecdet = "const", spec = "transitory",
             K = 4, season = 4)

summary(vec)
```

```
##
## #####
## # Johansen-Procedure #
## #####
##
## Test type: trace statistic , without linear trend and constant in cointegration
##
## Eigenvalues (lambda):
## [1] 2.741384e-01 2.056177e-01 1.997777e-01 1.202430e-01 1.111450e-01
## [6] 6.313826e-02 4.743264e-02 -1.670334e-16
##
## Values of teststatistic and critical values of test:
##
##          test  10pct   5pct   1pct
## r <= 6 |   6.07   7.52   9.24  12.97
## r <= 5 |  14.23  17.85  19.96  24.60
## r <= 4 |  28.95  32.00  34.91  41.07
## r <= 3 |  44.97  49.65  53.12  60.16
## r <= 2 |  72.83  71.86  76.07  84.45
## r <= 1 | 101.60  97.18 102.14 111.01
## r = 0 | 141.65 126.58 131.70 143.09
##
## Eigenvectors, normalised to first column:
## (These are the cointegration relations)
##
##          LREERS.11      RIRR.11  LRGDPPCR.11      OPENY.11      FBYA.11
## LREERS.11      1.000000000  1.000000000  1.000000000  1.000000000  1.000000000
## RIRR.11        -0.034477285 -0.063811357 -0.009346723  0.13402907  0.0005436228
## LRGDPPCR.11    -0.230930452 -1.979972815  0.220425455  1.21783849  0.1933115316
## OPENY.11       0.008764965  0.058750655  0.034174450 -0.01896788  0.0092309447
## FBYA.11        0.018668473  0.038031301 -0.063011996  0.50306497  0.0190210726
## NFAOFPY.11     -0.005434018 -0.004171023 -0.036568269 -0.03361502 -0.0127952636
## LPR2COMM5.11   -0.479741162 -1.216902985 -0.584758148 -0.99438252 -0.0630707443
## constant       -4.888234747 -6.999166718 -6.698582220 -1.81614163 -5.1579047707
##          NFAOFPY.11  LPR2COMM5.11      constant
## LREERS.11      1.000000000  1.000000000  1.000000000
## RIRR.11        0.02712490  0.006444232  0.023024728
## LRGDPPCR.11    0.93836513 -0.448950307  0.576574119
## OPENY.11       0.03025468  0.012413433 -0.007913675
```

```
## FBYA.11      -0.01188010 -0.007032678 -0.013589504
## NFAOFPY.11   -0.01613723  0.002262130 -0.011528765
## LPR2COMM5.11 -0.30291162 -0.127398851 -0.183636782
## constant     -6.53786889 -5.026297709 -4.525355672
##
## Weights W:
## (This is the loading matrix)
##
##              LREERS.11      RIRR.11  LRGDPPCR.11      OPENY.11      FBYA.11
## LREERS.d      -0.03905540  0.009542747  0.02039254 -3.016394e-03  0.056264052
## RIRR.d         2.85186904  0.672316964  0.55505618 -9.518194e-02 -0.620548723
## LRGDPPCR.d    -0.03738182  0.012467654 -0.01100385  4.345389e-05 -0.008292489
## OPENY.d       -4.11197066 -0.971890116 -0.27421153  2.471038e-01 -6.750016203
## FBYA.d        -14.32992479  0.677115272  1.52182656 -3.805992e-01 -1.127317608
## NFAOFPY.d      0.50573233  1.705655623  1.46584329  3.250713e-01 -0.405973425
## LPR2COMM5.d   0.16445725  0.039012790 -0.02156001 -8.125198e-03 -0.241502261
##
##              NFAOFPY.11  LPR2COMM5.11      constant
## LREERS.d      0.001401803 -0.087318974 -2.163361e-14
## RIRR.d        -1.192751656  0.720502337  3.674215e-13
## LRGDPPCR.d    -0.006841840  0.001697689 -6.005828e-15
## OPENY.d       -1.236150400  0.836600047 -3.701988e-13
## FBYA.d         0.690078812  1.881228636 -3.039855e-12
## NFAOFPY.d      0.560346240 -1.969193524 -1.063830e-12
## LPR2COMM5.d   0.036485387 -0.033810781 -5.100729e-15
```

```
vec2 <- ca.jo(full_df[,2:8], type = "trace", ecdet = "const", #spec = "transitory",
              K = 4, season = 4)
```

```
summary(vec2)
```

```
##
## #####
## # Johansen-Procedure #
## #####
##
## Test type: trace statistic , without linear trend and constant in cointegration
##
## Eigenvalues (lambda):
```



```
## [1] 2.741384e-01 2.056177e-01 1.997777e-01 1.202430e-01 1.111450e-01
## [6] 6.313826e-02 4.743264e-02 8.789624e-17
##
## Values of teststatistic and critical values of test:
##
##          test  10pct   5pct   1pct
## r <= 6 |    6.07    7.52    9.24   12.97
## r <= 5 |   14.23   17.85   19.96   24.60
## r <= 4 |   28.95   32.00   34.91   41.07
## r <= 3 |   44.97   49.65   53.12   60.16
## r <= 2 |   72.83   71.86   76.07   84.45
## r <= 1 |  101.60   97.18  102.14  111.01
## r = 0  |  141.65  126.58  131.70  143.09
##
## Eigenvectors, normalised to first column:
## (These are the cointegration relations)
##
##          LREERS.14      RIRR.14  LRGDPPCR.14      OPENY.14      FBYA.14
## LREERS.14      1.000000000  1.000000000  1.000000000  1.000000000  1.000000000
## RIRR.14        -0.034477285 -0.063811357 -0.009346723  0.13402907  0.0005436228
## LRGDPPCR.14    -0.230930452 -1.979972815  0.220425455  1.21783849  0.1933115316
## OPENY.14        0.008764965  0.058750655  0.034174450 -0.01896788  0.0092309447
## FBYA.14         0.018668473  0.038031301 -0.063011996  0.50306497  0.0190210726
## NFAOFPY.14     -0.005434018 -0.004171023 -0.036568269 -0.03361502 -0.0127952636
## LPR2COMM5.14   -0.479741162 -1.216902985 -0.584758148 -0.99438252 -0.0630707443
## constant       -4.888234747 -6.999166718 -6.698582220 -1.81614163 -5.1579047707
##
##          NFAOFPY.14  LPR2COMM5.14      constant
## LREERS.14      1.00000000  1.000000000  1.000000000
## RIRR.14         0.02712490  0.006444232  0.023024728
## LRGDPPCR.14    0.93836513 -0.448950307  0.576574119
## OPENY.14        0.03025468  0.012413433 -0.007913675
## FBYA.14        -0.01188010 -0.007032678 -0.013589504
## NFAOFPY.14     -0.01613723  0.002262130 -0.011528765
## LPR2COMM5.14   -0.30291162 -0.127398851 -0.183636782
## constant       -6.53786889 -5.026297709 -4.525355672
##
## Weights W:
## (This is the loading matrix)
##
```

| ## | LREERS.14 | RIRR.14 | LRGDPPCR.14 | OPENY.14 | FBYA.14 |
|----------------|--------------|--------------|---------------|---------------|--------------|
| ## LREERS.d | -0.03905540 | 0.009542747 | 0.02039254 | -3.016394e-03 | 0.056264052 |
| ## RIRR.d | 2.85186904 | 0.672316964 | 0.55505618 | -9.518194e-02 | -0.620548723 |
| ## LRGDPPCR.d | -0.03738182 | 0.012467654 | -0.01100385 | 4.345389e-05 | -0.008292489 |
| ## OPENY.d | -4.11197066 | -0.971890116 | -0.27421153 | 2.471038e-01 | -6.750016203 |
| ## FBYA.d | -14.32992479 | 0.677115272 | 1.52182656 | -3.805992e-01 | -1.127317608 |
| ## NFAOFPY.d | 0.50573233 | 1.705655623 | 1.46584329 | 3.250713e-01 | -0.405973425 |
| ## LPR2COMM5.d | 0.16445725 | 0.039012790 | -0.02156001 | -8.125198e-03 | -0.241502261 |
| ## | NFAOFPY.14 | LPR2COMM5.14 | constant | | |
| ## LREERS.d | 0.001401803 | -0.087318974 | -8.897356e-15 | | |
| ## RIRR.d | -1.192751656 | 0.720502337 | 9.019749e-14 | | |
| ## LRGDPPCR.d | -0.006841840 | 0.001697689 | -6.117938e-15 | | |
| ## OPENY.d | -1.236150400 | 0.836600047 | -6.321306e-13 | | |
| ## FBYA.d | 0.690078812 | 1.881228636 | -5.040780e-13 | | |
| ## NFAOFPY.d | 0.560346240 | -1.969193524 | 8.207158e-13 | | |
| ## LPR2COMM5.d | 0.036485387 | -0.033810781 | 7.318486e-14 | | |

```
mod1 <- tsDyn::VECM(full_df[,2:8], lag = 4, estim = "ML", include = "const",
                    r=1, exogen = exog_df$season_dum)

summ <- mod1$model
```

```
#
#
#
# mod <- VECM(data = endog_df[,2:8], lag = 4, r = 1,
#             include = "const", estim = "ML", exogen = exog_df[,2:4])
#
# mod_summ <- summary(mod)

# mod <- dynlm(full_df$LREERS ~ full_df$RIRR + full_df$LRGDPPCR + full_df$OPENY
#             + full_df$FBYA + full_df$NFAOFPY + full_df$LPR2COMM5
#             + full_df$DUMNFAOFPY + full_df$DUMRER1
#             + full_df$DUMRER2 + full_df$DUMFBYA + full_df$SDUMC1
#             + full_df$SDUMC2 + full_df$SDUMC3,
#             lag = 4,
#             include = "const", estim = "ML", exog
```

```
#          exogen = exog_df[:,2:8])
```

```
stargazer(summ, header = FALSE)
```

Table 4.1

| Statistic | N | Mean | St. Dev. | Min | Max |
|--------------|-----|-------------------------|-------------------------|------------------------|-------------------------|
| LREERS | 129 | 4.573 | 0.129 | 4.036 | |
| RIRR | 129 | -1.137 | 3.896 | -9.909 | |
| LRGDPPCR | 129 | 0.324 | 0.231 | -0.004 | |
| OPENY | 129 | 50.200 | 6.575 | 37.826 | |
| FBYA | 129 | -3.984 | 3.653 | -15.805 | |
| NFAOFPY | 129 | -8.683 | 11.484 | -27.309 | |
| LPR2COMM5 | 129 | 0.073 | 0.352 | -0.747 | |
| ECT | 124 | 379,612,213,116,152.000 | 271,722,452,465,897.000 | -4,414,639,086,791.000 | 809,612,213,116,152.000 |
| Intercept | 124 | 1.000 | 0.000 | 1 | |
| LREERS -1 | 124 | -0.004 | 0.052 | -0.182 | |
| RIRR -1 | 124 | 0.023 | 1.345 | -4.047 | |
| LRGDPPCR -1 | 124 | -0.005 | 0.015 | -0.046 | |
| OPENY -1 | 124 | 0.101 | 2.489 | -8.939 | |
| FBYA -1 | 124 | 0.059 | 5.603 | -12.986 | |
| NFAOFPY -1 | 124 | -0.084 | 2.258 | -11.802 | |
| LPR2COMM5 -1 | 124 | 0.003 | 0.089 | -0.219 | |
| LREERS -2 | 124 | -0.002 | 0.050 | -0.172 | |
| RIRR -2 | 124 | 0.035 | 1.353 | -4.047 | |
| LRGDPPCR -2 | 124 | -0.005 | 0.015 | -0.046 | |
| OPENY -2 | 124 | 0.067 | 2.477 | -8.939 | |
| FBYA -2 | 124 | -0.009 | 5.576 | -12.986 | |
| NFAOFPY -2 | 124 | -0.093 | 2.260 | -11.802 | |
| LPR2COMM5 -2 | 124 | 0.004 | 0.089 | -0.219 | |
| LREERS -3 | 124 | -0.002 | 0.049 | -0.172 | |
| RIRR -3 | 124 | 0.027 | 1.354 | -4.047 | |
| LRGDPPCR -3 | 124 | -0.005 | 0.015 | -0.046 | |
| OPENY -3 | 124 | 0.107 | 2.465 | -8.939 | |
| FBYA -3 | 124 | -0.018 | 5.575 | -12.986 | |
| NFAOFPY -3 | 124 | -0.121 | 2.244 | -11.802 | |
| LPR2COMM5 -3 | 124 | 0.004 | 0.089 | -0.219 | |
| LREERS -4 | 124 | -0.002 | 0.049 | -0.172 | |
| RIRR -4 | 124 | 0.026 | 1.353 | -4.047 | |
| LRGDPPCR -4 | 124 | -0.005 | 0.015 | -0.046 | |
| OPENY -4 | 124 | 0.101 | 2.462 | -8.939 | |
| FBYA -4 | 124 | 0.035 | 5.578 | -12.986 | |
| NFAOFPY -4 | 124 | -0.153 | 2.220 | -11.802 | |
| LPR2COMM5 -4 | 124 | 0.004 | 0.089 | -0.219 | |
| exo_1 | 124 | 0.311 | 0.226 | -0.004 | |

5. Directly from ([MacDonald & Ricci, 2004](#))

5.1. Section 3 Data and Methodology

- Plotting the $\exp(\text{LREER})$ and the rest of the variables
- Showcase the vector of interest
- Investigate LR CI Rel's amongst var's in vector
 - Method: MLE of Johansen ([1995](#))
 - Why? Corrects for Autocorr and ednog parametrically using VECM specif.
 - Key Advantage: the estimated coefficient - the β vector - can be used to provide a measure of the equilibrium real exchange rate and therefore a quantification of the gap between the prevailing real exchange rate and its equilibrium level. The methodology also derives estimates of the speed at which the real exchange rates converges to the equilibrium level.

6. Old Stuff

10 Johansen, S. 1995. *Likelihood-based inference in cointegrated vector autoregressive models*. OUP Oxford.

MacDonald, R. & Ricci, L.A. 2004. Estimation of the equilibrium real exchange rate for south africa
1. *South African Journal of Economics*. 72(2):282–304.