| m  | n = (-1/2)+(1/2)*s | qrt(1+((16*\$D\$2)/(AN*AN+AN))) | k       |
|----|--------------------|---------------------------------|---------|
| 1  | 1999.499062        | FALSE                           | 1999998 |
| 2  | 1154.200069        | FALSE                           |         |
| 3  | 815.9963258        | FALSE                           |         |
| 4  | 631.9554134        | FALSE                           |         |
| 5  | 515.8977634        | FALSE                           |         |
| 6  | 435.9358487        | FALSE                           |         |
| 7  | 377.4646147        | FALSE                           |         |
| 8  | 332.8335417        | FALSE                           |         |
| 9  | 297.6426672        | FALSE                           |         |
| 10 | 269.1802737        | FALSE                           |         |
| 11 | 245.6833666        | FALSE                           |         |
| 12 | 225.9558456        | FALSE                           |         |
| 13 | 209.1574587        | FALSE                           |         |
| 14 | 194.6805574        | FALSE                           |         |
| 15 | 182.0747792        | FALSE                           |         |
| 16 | 170.9992283        | FALSE                           |         |
| 17 | 161.1911089        | FALSE                           |         |
| 18 | 152.4445634        | FALSE                           |         |
| 19 | 144.596039         | FALSE                           |         |
| 20 | 137.5139486        | FALSE                           |         |
| 21 | 131.0912231        | FALSE                           |         |
| 22 | 125.2398539        | FALSE                           |         |
| 23 | 119.8868312        | FALSE                           |         |
| 24 | 114.9710786        | FALSE                           |         |
| 25 | 110.4411105        | FALSE                           |         |
| 26 | 106.2532201        | FALSE                           |         |
| 27 | 102.3700637        | FALSE                           |         |
| 28 | 98.7595431         | FALSE                           |         |
| 29 | 95.39391588        | FALSE                           |         |
| 30 | 92.24908051        | FALSE                           |         |
| 31 | 89.30399804        | FALSE                           |         |

| 32 86.54022059 FALSE 33 83.94150429 FALSE 34 81.4934897 FALSE 35 79.18343617 FALSE 36 77 TRUE 37 74.93304804 FALSE 38 72.97350041 FALSE 40 69.34478436 FALSE 41 67.66161748 FALSE 42 66.05767738 FALSE 43 64.52749866 FALSE 44 63.06610732 FALSE 45 61.66896681 FALSE 46 60.33193093 FALSE 47 59.05120271 FALSE 48 57.82329846 FALSE 49 56.64501603 FALSE 50 55.51340701 FALSE 51 54.42575202 FALSE 52 53.37953895 FALSE 53 52.37244351 FALSE 54 51.40231209 FALSE 55 50.46714628 FALSE 56 49.56508921 FALSE 57 48.6944132 FALSE 58 47.85350872 FALSE 59 47.04087447 FALSE 50 51.55 51.4951 FALSE 50 44.75003456 FALSE 50 44.75003456 FALSE 51 54.54.9489976 FALSE 51 54.55 55 54.55 56 FALSE 51 44.75003456 FALSE 52 53.85550846 FALSE 53 47.85350872 FALSE 54 54.89489976 FALSE 55 54.85550843 FALSE |    |             |       |  |
|--|----|-------------|-------|--|
| 34 81.4934897 FALSE 35 79.18343617 FALSE 36 77 TRUE 37 74.93304804 FALSE 38 72.97350041 FALSE 39 71.11319711 FALSE 40 69.34478436 FALSE 41 67.66161748 FALSE 42 66.05767738 FALSE 43 64.52749866 FALSE 44 63.06610732 FALSE 45 61.6689681 FALSE 46 60.33193093 FALSE 47 59.05120271 FALSE 48 57.82329846 FALSE 50 55.51340701 FALSE 51 54.42575202 FALSE 52 53.37953895 FALSE 53 52.37244351 FALSE 54 51.40231209 FALSE 55 50.46714628 FALSE 56 49.56508921 FALSE 57 48.6944132 FALSE 58 47.85350872 FALSE 59 47.04087447 FALSE 50 45.49489976 FALSE   | 32 | 86.54022059 | FALSE |  |
| 35 79.18343617 FALSE 36 77 TRUE 37 74.93304804 FALSE 38 72.97350041 FALSE 39 71.11319711 FALSE 40 69.34478436 FALSE 41 67.66161748 FALSE 42 66.05767738 FALSE 43 64.52749866 FALSE 44 63.06610732 FALSE 45 61.6689681 FALSE 46 60.33193093 FALSE 47 59.05120271 FALSE 48 57.82329846 FALSE 50 55.51340701 FALSE 51 54.42575202 FALSE 52 53.37953895 FALSE 53 52.37244351 FALSE 54 51.40231209 FALSE 55 50.46714628 FALSE 56 49.56508921 FALSE 57 48.6944132 FALSE 58 47.85350872 FALSE 59 47.04087447 FALSE 50 45.49489976 FALSE   | 33 | 83.94150429 | FALSE |  |
| 36 77 TRUE 37 74.93304804 FALSE 38 72.97350041 FALSE 39 71.11319711 FALSE 40 69.34478436 FALSE 41 67.66161748 FALSE 42 66.05767738 FALSE 43 64.52749866 FALSE 44 63.06610732 FALSE 45 61.66896681 FALSE 46 60.33193093 FALSE 47 59.05120271 FALSE 48 57.82329846 FALSE 49 56.64501603 FALSE 50 55.51340701 FALSE 51 54.42575202 FALSE 51 54.42575202 FALSE 52 53.37953895 FALSE 53 52.37244351 FALSE 54 51.40231209 FALSE 55 50.46714628 FALSE 56 49.56508921 FALSE 57 48.6944132 FALSE 58 47.85350872 FALSE 59 47.04087447 FALSE 60 46.25510843 FALSE 61 45.49489976 FALSE  | 34 | 81.4934897  | FALSE |  |
| 37 74.93304804 FALSE 38 72.97350041 FALSE 39 71.11319711 FALSE 40 69.34478436 FALSE 41 67.66161748 FALSE 42 66.05767738 FALSE 43 64.52749866 FALSE 44 63.06610732 FALSE 45 61.66896681 FALSE 46 60.33193093 FALSE 47 59.05120271 FALSE 48 57.82329846 FALSE 49 56.64501603 FALSE 50 55.51340701 FALSE 51 54.42575202 FALSE 52 53.37953895 FALSE 53 52.37244351 FALSE 54 51.40231209 FALSE 55 50.46714628 FALSE 56 49.56508921 FALSE 57 48.6944132 FALSE 58 47.85350872 FALSE 59 47.04087447 FALSE 60 46.25510843 FALSE 61 45.49489976 FALSE  | 35 | 79.18343617 | FALSE |  |
| 38 72.97350041 FALSE 39 71.11319711 FALSE 40 69.34478436 FALSE 41 67.66161748 FALSE 42 66.05767738 FALSE 43 64.52749866 FALSE 44 63.06610732 FALSE 45 61.66896681 FALSE 46 60.33193093 FALSE 47 59.05120271 FALSE 48 57.82329846 FALSE 50 55.51340701 FALSE 51 54.42575202 FALSE 52 53.37953895 FALSE 53 52.37244351 FALSE 54 51.40231209 FALSE 55 50.46714628 FALSE 56 49.56508921 FALSE 57 48.6944132 FALSE 58 47.85350872 FALSE 59 47.04087447 FALSE 60 46.25510843 FALSE 61 45.49489976 FALSE  | 36 | 77          | TRUE  |  |
| 39 71.11319711 FALSE 40 69.34478436 FALSE 41 67.66161748 FALSE 42 66.05767738 FALSE 43 64.52749866 FALSE 44 63.06610732 FALSE 45 61.66896681 FALSE 46 60.33193093 FALSE 47 59.05120271 FALSE 48 57.82329846 FALSE 50 55.51340701 FALSE 51 54.42575202 FALSE 52 53.37953895 FALSE 53 52.37244351 FALSE 54 51.40231209 FALSE 55 50.46714628 FALSE 56 49.56508921 FALSE 57 48.6944132 FALSE 58 47.85350872 FALSE 59 47.04087447 FALSE 60 46.25510843 FALSE 61 45.49489976 FALSE   | 37 | 74.93304804 | FALSE |  |
| 40 69.34478436 FALSE 41 67.66161748 FALSE 42 66.05767738 FALSE 43 64.52749866 FALSE 44 63.06610732 FALSE 45 61.66896681 FALSE 46 60.33193093 FALSE 47 59.05120271 FALSE 48 57.82329846 FALSE 50 55.51340701 FALSE 51 54.42575202 FALSE 52 53.37953895 FALSE 53 52.37244351 FALSE 54 51.40231209 FALSE 55 50.46714628 FALSE 56 49.56508921 FALSE 57 48.6944132 FALSE 58 47.85350872 FALSE 59 47.04087447 FALSE 60 46.25510843 FALSE 61 45.49489976 FALSE  | 38 | 72.97350041 | FALSE |  |
| 41 67.66161748 FALSE 42 66.05767738 FALSE 43 64.52749866 FALSE 44 63.06610732 FALSE 45 61.66896681 FALSE 46 60.33193093 FALSE 47 59.05120271 FALSE 48 57.82329846 FALSE 50 55.51340701 FALSE 51 54.42575202 FALSE 52 53.37953895 FALSE 53 52.37244351 FALSE 54 51.40231209 FALSE 55 50.46714628 FALSE 56 49.56508921 FALSE 57 48.6944132 FALSE 58 47.85350872 FALSE 59 47.04087447 FALSE 60 46.25510843 FALSE 61 45.49489976 FALSE   | 39 | 71.11319711 | FALSE |  |
| 42 66.05767738 FALSE 43 64.52749866 FALSE 44 63.06610732 FALSE 45 61.66896681 FALSE 46 60.33193093 FALSE 47 59.05120271 FALSE 48 57.82329846 FALSE 49 56.64501603 FALSE 50 55.51340701 FALSE 51 54.42575202 FALSE 52 53.37953895 FALSE 53 52.37244351 FALSE 54 51.40231209 FALSE 55 50.46714628 FALSE 56 49.56508921 FALSE 57 48.6944132 FALSE 58 47.85350872 FALSE 59 47.04087447 FALSE 60 46.25510843 FALSE 61 45.49489976 FALSE   | 40 | 69.34478436 | FALSE |  |
| 43 64.52749866 FALSE 44 63.06610732 FALSE 45 61.66896681 FALSE 46 60.33193093 FALSE 47 59.05120271 FALSE 48 57.82329846 FALSE 50 55.51340701 FALSE 51 54.42575202 FALSE 52 53.37953895 FALSE 53 52.37244351 FALSE 54 51.40231209 FALSE 55 50.46714628 FALSE 56 49.56508921 FALSE 57 48.6944132 FALSE 58 47.85350872 FALSE 59 47.04087447 FALSE 60 46.25510843 FALSE 61 45.49489976 FALSE   | 41 | 67.66161748 | FALSE |  |
| 44 63.06610732 FALSE 45 61.66896681 FALSE 46 60.33193093 FALSE 47 59.05120271 FALSE 48 57.82329846 FALSE 49 56.64501603 FALSE 50 55.51340701 FALSE 51 54.42575202 FALSE 52 53.37953895 FALSE 53 52.37244351 FALSE 54 51.40231209 FALSE 55 50.46714628 FALSE 56 49.56508921 FALSE 57 48.6944132 FALSE 58 47.85350872 FALSE 59 47.04087447 FALSE 60 46.25510843 FALSE 61 45.49489976 FALSE   | 42 | 66.05767738 | FALSE |  |
| 45 61.66896681 FALSE 46 60.33193093 FALSE 47 59.05120271 FALSE 48 57.82329846 FALSE 49 56.64501603 FALSE 50 55.51340701 FALSE 51 54.42575202 FALSE 52 53.37953895 FALSE 53 52.37244351 FALSE 54 51.40231209 FALSE 55 50.46714628 FALSE 56 49.56508921 FALSE 57 48.6944132 FALSE 58 47.85350872 FALSE 59 47.04087447 FALSE 60 46.25510843 FALSE 61 45.49489976 FALSE  | 43 | 64.52749866 | FALSE |  |
| 46 60.33193093 FALSE 47 59.05120271 FALSE 48 57.82329846 FALSE 49 56.64501603 FALSE 50 55.51340701 FALSE 51 54.42575202 FALSE 52 53.37953895 FALSE 53 52.37244351 FALSE 54 51.40231209 FALSE 55 50.46714628 FALSE 56 49.56508921 FALSE 57 48.6944132 FALSE 58 47.85350872 FALSE 59 47.04087447 FALSE 60 46.25510843 FALSE 61 45.49489976 FALSE   | 44 | 63.06610732 | FALSE |  |
| 47 59.05120271 FALSE 48 57.82329846 FALSE 49 56.64501603 FALSE 50 55.51340701 FALSE 51 54.42575202 FALSE 52 53.37953895 FALSE 53 52.37244351 FALSE 54 51.40231209 FALSE 55 50.46714628 FALSE 56 49.56508921 FALSE 57 48.6944132 FALSE 58 47.85350872 FALSE 59 47.04087447 FALSE 60 46.25510843 FALSE 61 45.49489976 FALSE  | 45 | 61.66896681 | FALSE |  |
| 48 57.82329846 FALSE  49 56.64501603 FALSE  50 55.51340701 FALSE  51 54.42575202 FALSE  52 53.37953895 FALSE  53 52.37244351 FALSE  54 51.40231209 FALSE  55 50.46714628 FALSE  56 49.56508921 FALSE  57 48.6944132 FALSE  58 47.85350872 FALSE  59 47.04087447 FALSE  60 46.25510843 FALSE  61 45.49489976 FALSE  | 46 | 60.33193093 | FALSE |  |
| 49       56.64501603       FALSE         50       55.51340701       FALSE         51       54.42575202       FALSE         52       53.37953895       FALSE         53       52.37244351       FALSE         54       51.40231209       FALSE         55       50.46714628       FALSE         56       49.56508921       FALSE         57       48.6944132       FALSE         58       47.85350872       FALSE         59       47.04087447       FALSE         60       46.25510843       FALSE         61       45.49489976       FALSE  | 47 | 59.05120271 | FALSE |  |
| 50       55.51340701       FALSE         51       54.42575202       FALSE         52       53.37953895       FALSE         53       52.37244351       FALSE         54       51.40231209       FALSE         55       50.46714628       FALSE         56       49.56508921       FALSE         57       48.6944132       FALSE         58       47.85350872       FALSE         59       47.04087447       FALSE         60       46.25510843       FALSE         61       45.49489976       FALSE   | 48 | 57.82329846 | FALSE |  |
| 51       54.42575202       FALSE         52       53.37953895       FALSE         53       52.37244351       FALSE         54       51.40231209       FALSE         55       50.46714628       FALSE         56       49.56508921       FALSE         57       48.6944132       FALSE         58       47.85350872       FALSE         59       47.04087447       FALSE         60       46.25510843       FALSE         61       45.49489976       FALSE  | 49 | 56.64501603 | FALSE |  |
| 52       53.37953895       FALSE         53       52.37244351       FALSE         54       51.40231209       FALSE         55       50.46714628       FALSE         56       49.56508921       FALSE         57       48.6944132       FALSE         58       47.85350872       FALSE         59       47.04087447       FALSE         60       46.25510843       FALSE         61       45.49489976       FALSE   | 50 | 55.51340701 | FALSE |  |
| 53 52.37244351 FALSE 54 51.40231209 FALSE 55 50.46714628 FALSE 56 49.56508921 FALSE 57 48.6944132 FALSE 58 47.85350872 FALSE 59 47.04087447 FALSE 60 46.25510843 FALSE 61 45.49489976 FALSE  | 51 | 54.42575202 | FALSE |  |
| 54       51.40231209       FALSE         55       50.46714628       FALSE         56       49.56508921       FALSE         57       48.6944132       FALSE         58       47.85350872       FALSE         59       47.04087447       FALSE         60       46.25510843       FALSE         61       45.49489976       FALSE   | 52 | 53.37953895 | FALSE |  |
| 55 50.46714628 FALSE 56 49.56508921 FALSE 57 48.6944132 FALSE 58 47.85350872 FALSE 59 47.04087447 FALSE 60 46.25510843 FALSE 61 45.49489976 FALSE  | 53 | 52.37244351 | FALSE |  |
| 56 49.56508921 FALSE 57 48.6944132 FALSE 58 47.85350872 FALSE 59 47.04087447 FALSE 60 46.25510843 FALSE 61 45.49489976 FALSE   | 54 | 51.40231209 | FALSE |  |
| 57 48.6944132 FALSE 58 47.85350872 FALSE 59 47.04087447 FALSE 60 46.25510843 FALSE 61 45.49489976 FALSE  | 55 | 50.46714628 | FALSE |  |
| 58 47.85350872 FALSE 59 47.04087447 FALSE 60 46.25510843 FALSE 61 45.49489976 FALSE  | 56 | 49.56508921 | FALSE |  |
| 59 47.04087447 FALSE<br>60 46.25510843 FALSE<br>61 45.49489976 FALSE   | 57 | 48.6944132  | FALSE |  |
| 60 46.25510843 FALSE<br>61 45.49489976 FALSE   | 58 | 47.85350872 | FALSE |  |
| 61 45.49489976 FALSE   | 59 | 47.04087447 | FALSE |  |
|  | 60 | 46.25510843 | FALSE |  |
| 62 44 75002156 EALSE   | 61 | 45.49489976 | FALSE |  |
| 02 44.79902130 FALSE   | 62 | 44.75902156 | FALSE |  |

| 63 | 44.0463242  | FALSE |  |
|----|-------------|-------|--|
| 64 | 43.35572939 | FALSE |  |
| 65 | 42.68622466 | FALSE |  |
| 66 | 42.03685847 | FALSE |  |
| 67 | 41.40673568 | FALSE |  |
| 68 | 40.79501342 | FALSE |  |
| 69 | 40.20089733 | FALSE |  |
| 70 | 39.62363815 | FALSE |  |
| 71 | 39.06252851 | FALSE |  |
| 72 | 38.5169001  | FALSE |  |
| 73 | 37.98612096 | FALSE |  |
| 74 | 37.4695931  | FALSE |  |
| 75 | 36.96675017 | FALSE |  |
| 76 | 36.47705547 | FALSE |  |
| 77 | 36          | TRUE  |  |
| 78 | 35.53510068 | FALSE |  |
| 79 | 35.08189875 | FALSE |  |
| 80 | 34.63995826 | FALSE |  |
| 81 | 34.20886464 | FALSE |  |
| 82 | 33.78822343 | FALSE |  |
| 83 | 33.37765906 | FALSE |  |
| 84 | 32.97681375 | FALSE |  |
| 85 | 32.58534646 | FALSE |  |
| 86 | 32.20293192 | FALSE |  |
| 87 | 31.82925973 | FALSE |  |
|    |             |       |  |