Wojciech Ładyga - zadanie 13

Język technologia: c++

Program wykorzystuje interpolacje Flotera i Hormanna to obliczeń z parametrem D = 3.
Algorytm w postaci barycentrycznej to:

$$r(x) \;=\; \frac{\displaystyle\sum_{k=0}^{n} \frac{w_k}{x - x_k} f_k}{\displaystyle\sum_{k=0}^{n} \frac{w_k}{x - x_k}}$$

$$w_k \;=\; \sum_{i \in J_k} (-1)^i \prod_{j=i, j \neq k}^{i+d} \frac{1}{x_k - x_j}$$

gdzie $J_k = \{i \in I : k - d \leqslant i \leqslant k\}$, $I = \{0, 1, \ldots, n-d\}$.

lecz wk można zastąpić

$$w_k = (-1)^{k-d} \sum_{i \in J_k} \binom{d}{k-i}.$$

na podstawie publikacji https://www.inf.usi.ch/faculty/hormann/papers/Floater.2007.BRI.pdf

Do wygenerowania wykresu skorzystałem z metody GNU plotutils:

```
./main > interp.dat
$ graph -T ps < interp.dat > interp.ps
```

Wyniki splajnu zapisałem do pliku i później wkleiłem do tego pdfa.

W tym zadaniu mamy do dyspozycji 65 węzłów gdyż zaczynając od -1 , -1+1/32 + ... , i przechodząc aż do 1 skaczemy o 1/32. Więc wyliczając mamy 65 mozliwych argumętów funkcji.
Przykład wyliczenia ilości węzłów stosując exela:

	A	B	C	D	E	F	G
1	-1		0		-0,03125		31
2	-0,96875		1		0		32
3	-0,9375		2		0,03125		33
4	-0,90625		3		0,0625		34
5	-0,875		4		0,09375		35
6	-0,84375		5		0,125		36
7	-0,8125		6		0,15625		37
8	-0,78125		7		0,1875		38
9	-0,75		8		0,21875		39
10	-0,71875		9		0,25		40
11	-0,6875		10		0,28125		41
12	-0,65625		11		0,3125		42
13	-0,625		12		0,34375		43
14	-0,59375		13		0,375		44
15	-0,5625		14		0,40625		45
16	-0,53125		15		0,4375		46
17	-0,5		16		0,46875		47
18	-0,46875		17		0,5		48
19	-0,4375		18		0,53125		49
20	-0,40625		19		0,5625		50
21	-0,375		20		0,59375		51
22	-0,34375		21		0,625		52
23	-0,3125		22		0,65625		53
24	-0,28125		23		0,6875		54
25	-0,25		24		0,71875		55
26	-0,21875		25		0,75		56
27	-0,1875		26		0,78125		57
28	-0,15625		27		0,8125		58
29	-0,125		28		0,84375		59
30	-0,09375		29		0,875		60
31	-0,0625		30		0,90625		61
32					0,9375		62
33					0,96875		63
34					1		64
35							

z formułą =-1+(CX/32) gdzie cx to numer komurek od 1-65

Kod programu:

```
/*
 * @Author: Wojciech Ladyga
 * @Date: 2018-12-27
 * @Description: Zad 13
 */
#include <iostream>
#include <iomanip>
#include <math.h>
#include <fstream>
```

```cpp
#include <gsl/gsl_linalg.h>
#include <limits.h>

using namespace std;
const int N = 65; //wezly
const int D = 3;   //parametr

/*
    //przydatne linki
    -http://th-www.if.uj.edu.pl/zfs/gora/metnum12/wyklad07.pdf
    -https://www.inf.usi.ch/faculty/hormann/papers/Floater.2007.BRI.pdf
*/

//klasa realizująca algorytm Floatera i Hormanna
class FH
{

public:
    //nasza funkcja
    double f(double x)
    {
        return 1 / (1 + 5 * pow(x, 2));
    }

    void algFH(double xi[], double yi[])
    {
        //zapisanie do odpowiednich wektorow
        gsl_vector *x = gsl_vector_alloc(N);
        gsl_vector *y = gsl_vector_alloc(N);
        gsl_vector_view tmp_x = gsl_vector_view_array(xi, N);
        gsl_vector_view tmp_y = gsl_vector_view_array(yi, N);
        gsl_vector_memcpy(x, &tmp_x.vector);
        gsl_vector_memcpy(y, &tmp_y.vector);

        ofstream myfile;
        myfile.open("wynik.txt");
        for (double i = -1.0; i <= 1.0; i += 0.01)
        {
            printf("%g %g\n", i, rx(x, y, i));
            myfile << fixed << setprecision(5) << i << " " << rx(x, y, i) << endl;
        }
        myfile.close();

        gsl_vector_free(x);
        gsl_vector_free(y);
    }

private:
    //wk gdzie i należy do jest miedzy k-d<=i<=k
    //a I = {0,1,2,...,n-d}
```

```cpp
        //wzor ze strony
        //https://www.inf.usi.ch/faculty/hormann/papers/Floater.2007.BRI.pdf
        double wk(int k)
        {
            double wynik = 0.0;

            for (int i = 0; i < N - D; i++)
            {
                if ((k - D <= i) & (i <= k))
                {
                    wynik += dmumianNewtona(D, k - i);
                }
            }

            return pow(-1, k - D) * wynik;
        }


        //funkcja jako gładka mieszanka wielomianow interpolayjnych
        double rx(gsl_vector *xk, gsl_vector *fk, double x)
        {
            //liczymy licznik i mianownik
            double l = 0.0, m = 0.0;
            for (int i = 0; i < N; i++)
            {
                l += (wk(i) / (x - gsl_vector_get(xk, i))) * gsl_vector_get(fk, i);
                m += wk(i) / (x - gsl_vector_get(xk, i));
            }

            return l / m;
        }


        //dwumian newtona wykorzystywany w wk
        unsigned long dmumianNewtona(unsigned long n, unsigned long k)
        {
            unsigned long c = 1, i;

            if (k > n - k) // take advantage of symmetry
                k = n - k;

            for (i = 1; i <= k; i++, n--)
            {
                if (c / i > UINT_MAX / n)
                    return 0;

                c = c / i * n + c % i * n / i;
            }

            return c;
        }
};
//algorytm w postaci barycentrycznej
```
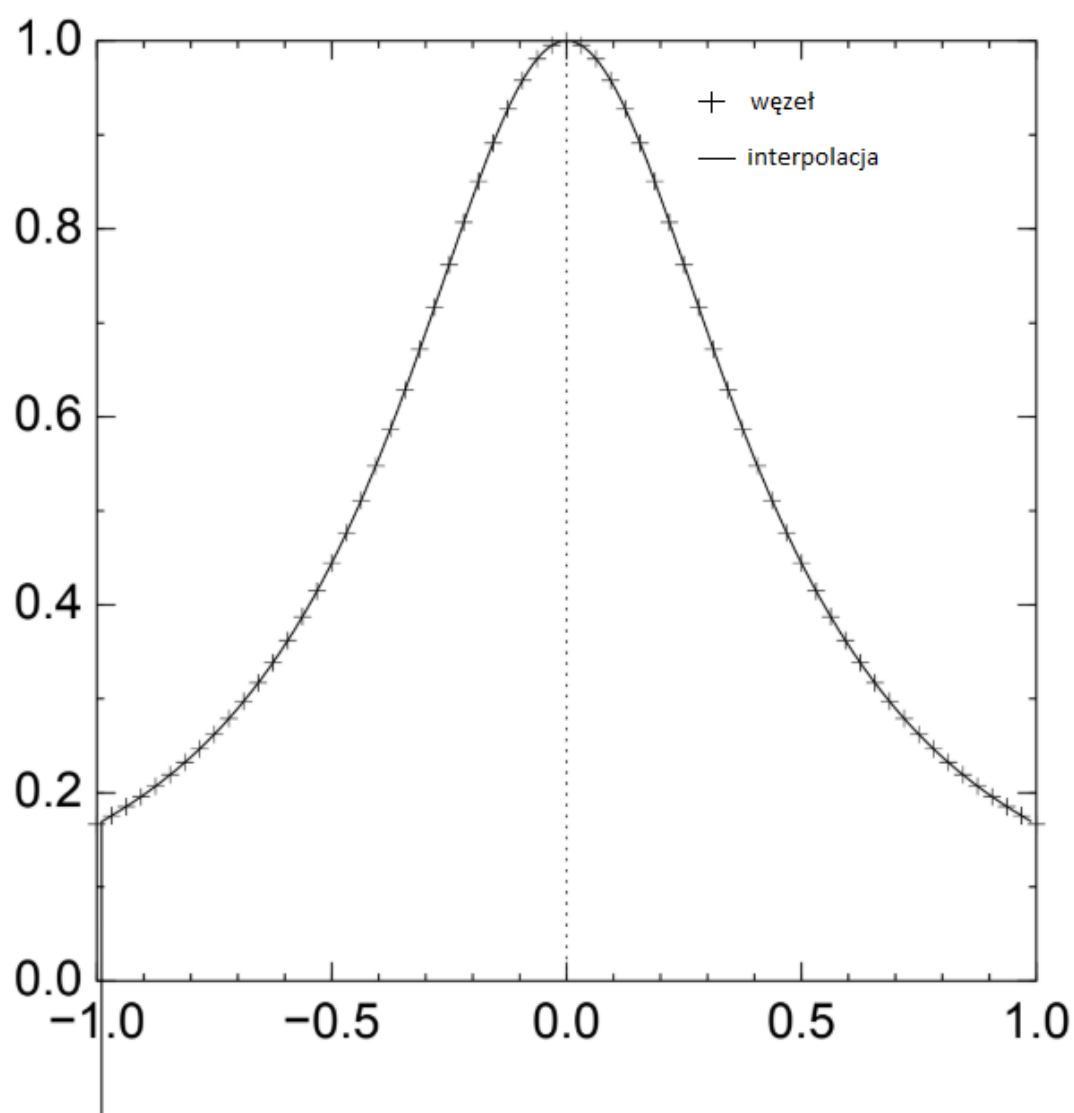
```
int main()
{
    FH fh;

    double xi[N], yi[N];
    printf("#m=0,S=2\n");
    //wyliczenie y na podstawie funkcji
    for (int i = 0; i < N; i++)
    {
        xi[i] = -1.0 + (i / 32.0);
        yi[i] = fh.f(xi[i]);
        printf("%g %g\n", xi[i], yi[i]);
    }
    printf("#m=1,S=0\n");
    fh.algFH(xi, yi);

    return 0;
}
```

Wyniki działania programu to:

Oraz wynik obliczen:

```
-2.00000 -0.32475
-1.99900 -0.32342
-1.99800 -0.32209
-1.99700 -0.32076
-1.99600 -0.31944
-1.99500 -0.31812
-1.99400 -0.31680
-1.99300 -0.31548
-1.99200 -0.31417
-1.99100 -0.31286
-1.99000 -0.31155
-1.98900 -0.31025
-1.98800 -0.30895
-1.98700 -0.30765
-1.98600 -0.30636
-1.98500 -0.30507
-1.98400 -0.30378
-1.98300 -0.30250
-1.98200 -0.30122
-1.98100 -0.29994
-1.98000 -0.29866
-1.97900 -0.29739
-1.97800 -0.29612
-1.97700 -0.29485
-1.97600 -0.29359
-1.97500 -0.29233
-1.97400 -0.29107
-1.97300 -0.28981
-1.97200 -0.28856
-1.97100 -0.28731
-1.97000 -0.28607
-1.96900 -0.28482
-1.96800 -0.28358
-1.96700 -0.28235
-1.96600 -0.28111
-1.96500 -0.27988
-1.96400 -0.27865
-1.96300 -0.27743
-1.96200 -0.27620
-1.96100 -0.27498
-1.96000 -0.27377
-1.95900 -0.27255
-1.95800 -0.27134
-1.95700 -0.27013
-1.95600 -0.26893
-1.95500 -0.26773
-1.95400 -0.26653
-1.95300 -0.26533
```

```
-1.95200  -0.26414
-1.95100  -0.26295
-1.95000  -0.26176
-1.94900  -0.26057
-1.94800  -0.25939
-1.94700  -0.25821
-1.94600  -0.25704
-1.94500  -0.25586
-1.94400  -0.25469
-1.94300  -0.25352
-1.94200  -0.25236
-1.94100  -0.25120
-1.94000  -0.25004
-1.93900  -0.24888
-1.93800  -0.24773
-1.93700  -0.24658
-1.93600  -0.24543
-1.93500  -0.24428
-1.93400  -0.24314
-1.93300  -0.24200
-1.93200  -0.24086
-1.93100  -0.23973
-1.93000  -0.23860
-1.92900  -0.23747
-1.92800  -0.23634
-1.92700  -0.23522
-1.92600  -0.23410
-1.92500  -0.23298
-1.92400  -0.23186
-1.92300  -0.23075
-1.92200  -0.22964
-1.92100  -0.22854
-1.92000  -0.22743
-1.91900  -0.22633
-1.91800  -0.22523
-1.91700  -0.22414
-1.91600  -0.22304
-1.91500  -0.22195
-1.91400  -0.22087
-1.91300  -0.21978
-1.91200  -0.21870
-1.91100  -0.21762
-1.91000  -0.21654
-1.90900  -0.21547
-1.90800  -0.21440
-1.90700  -0.21333
-1.90600  -0.21226
-1.90500  -0.21120
-1.90400  -0.21014
-1.90300  -0.20908
-1.90200  -0.20802
```

```
-1.90100 -0.20697
-1.90000 -0.20592
-1.89900 -0.20487
-1.89800 -0.20383
-1.89700 -0.20278
-1.89600 -0.20174
-1.89500 -0.20071
-1.89400 -0.19967
-1.89300 -0.19864
-1.89200 -0.19761
-1.89100 -0.19658
-1.89000 -0.19556
-1.88900 -0.19454
-1.88800 -0.19352
-1.88700 -0.19250
-1.88600 -0.19149
-1.88500 -0.19048
-1.88400 -0.18947
-1.88300 -0.18846
-1.88200 -0.18746
-1.88100 -0.18646
-1.88000 -0.18546
-1.87900 -0.18446
-1.87800 -0.18347
-1.87700 -0.18248
-1.87600 -0.18149
-1.87500 -0.18051
-1.87400 -0.17952
-1.87300 -0.17854
-1.87200 -0.17756
-1.87100 -0.17659
-1.87000 -0.17562
-1.86900 -0.17464
-1.86800 -0.17368
-1.86700 -0.17271
-1.86600 -0.17175
-1.86500 -0.17079
-1.86400 -0.16983
-1.86300 -0.16887
-1.86200 -0.16792
-1.86100 -0.16697
-1.86000 -0.16602
-1.85900 -0.16508
-1.85800 -0.16413
-1.85700 -0.16319
-1.85600 -0.16225
-1.85500 -0.16132
-1.85400 -0.16038
-1.85300 -0.15945
-1.85200 -0.15852
-1.85100 -0.15760
```

```
-1.85000  -0.15667
-1.84900  -0.15575
-1.84800  -0.15483
-1.84700  -0.15392
-1.84600  -0.15300
-1.84500  -0.15209
-1.84400  -0.15118
-1.84300  -0.15027
-1.84200  -0.14937
-1.84100  -0.14847
-1.84000  -0.14757
-1.83900  -0.14667
-1.83800  -0.14577
-1.83700  -0.14488
-1.83600  -0.14399
-1.83500  -0.14310
-1.83400  -0.14222
-1.83300  -0.14133
-1.83200  -0.14045
-1.83100  -0.13958
-1.83000  -0.13870
-1.82900  -0.13782
-1.82800  -0.13695
-1.82700  -0.13608
-1.82600  -0.13522
-1.82500  -0.13435
-1.82400  -0.13349
-1.82300  -0.13263
-1.82200  -0.13177
-1.82100  -0.13092
-1.82000  -0.13006
-1.81900  -0.12921
-1.81800  -0.12836
-1.81700  -0.12752
-1.81600  -0.12667
-1.81500  -0.12583
-1.81400  -0.12499
-1.81300  -0.12415
-1.81200  -0.12332
-1.81100  -0.12249
-1.81000  -0.12166
-1.80900  -0.12083
-1.80800  -0.12000
-1.80700  -0.11918
-1.80600  -0.11836
-1.80500  -0.11754
-1.80400  -0.11672
-1.80300  -0.11591
-1.80200  -0.11509
-1.80100  -0.11428
-1.80000  -0.11347
```

```
-1.79900  -0.11267
-1.79800  -0.11186
-1.79700  -0.11106
-1.79600  -0.11026
-1.79500  -0.10947
-1.79400  -0.10867
-1.79300  -0.10788
-1.79200  -0.10709
-1.79100  -0.10630
-1.79000  -0.10551
-1.78900  -0.10473
-1.78800  -0.10395
-1.78700  -0.10317
-1.78600  -0.10239
-1.78500  -0.10161
-1.78400  -0.10084
-1.78300  -0.10007
-1.78200  -0.09930
-1.78100  -0.09853
-1.78000  -0.09777
-1.77900  -0.09700
-1.77800  -0.09624
-1.77700  -0.09548
-1.77600  -0.09473
-1.77500  -0.09397
-1.77400  -0.09322
-1.77300  -0.09247
-1.77200  -0.09172
-1.77100  -0.09098
-1.77000  -0.09023
-1.76900  -0.08949
-1.76800  -0.08875
-1.76700  -0.08801
-1.76600  -0.08728
-1.76500  -0.08654
-1.76400  -0.08581
-1.76300  -0.08508
-1.76200  -0.08435
-1.76100  -0.08363
-1.76000  -0.08290
-1.75900  -0.08218
-1.75800  -0.08146
-1.75700  -0.08075
-1.75600  -0.08003
-1.75500  -0.07932
-1.75400  -0.07861
-1.75300  -0.07790
-1.75200  -0.07719
-1.75100  -0.07648
-1.75000  -0.07578
-1.74900  -0.07508
```

```
-1.74800  -0.07438
-1.74700  -0.07368
-1.74600  -0.07299
-1.74500  -0.07229
-1.74400  -0.07160
-1.74300  -0.07091
-1.74200  -0.07023
-1.74100  -0.06954
-1.74000  -0.06886
-1.73900  -0.06817
-1.73800  -0.06750
-1.73700  -0.06682
-1.73600  -0.06614
-1.73500  -0.06547
-1.73400  -0.06480
-1.73300  -0.06413
-1.73200  -0.06346
-1.73100  -0.06279
-1.73000  -0.06213
-1.72900  -0.06146
-1.72800  -0.06080
-1.72700  -0.06015
-1.72600  -0.05949
-1.72500  -0.05883
-1.72400  -0.05818
-1.72300  -0.05753
-1.72200  -0.05688
-1.72100  -0.05623
-1.72000  -0.05559
-1.71900  -0.05494
-1.71800  -0.05430
-1.71700  -0.05366
-1.71600  -0.05302
-1.71500  -0.05239
-1.71400  -0.05175
-1.71300  -0.05112
-1.71200  -0.05049
-1.71100  -0.04986
-1.71000  -0.04923
-1.70900  -0.04861
-1.70800  -0.04799
-1.70700  -0.04736
-1.70600  -0.04674
-1.70500  -0.04613
-1.70400  -0.04551
-1.70300  -0.04490
-1.70200  -0.04428
-1.70100  -0.04367
-1.70000  -0.04306
-1.69900  -0.04246
-1.69800  -0.04185
```

```
-1.69700 -0.04125
-1.69600 -0.04065
-1.69500 -0.04005
-1.69400 -0.03945
-1.69300 -0.03885
-1.69200 -0.03826
-1.69100 -0.03766
-1.69000 -0.03707
-1.68900 -0.03648
-1.68800 -0.03589
-1.68700 -0.03531
-1.68600 -0.03472
-1.68500 -0.03414
-1.68400 -0.03356
-1.68300 -0.03298
-1.68200 -0.03240
-1.68100 -0.03183
-1.68000 -0.03125
-1.67900 -0.03068
-1.67800 -0.03011
-1.67700 -0.02954
-1.67600 -0.02897
-1.67500 -0.02841
-1.67400 -0.02784
-1.67300 -0.02728
-1.67200 -0.02672
-1.67100 -0.02616
-1.67000 -0.02561
-1.66900 -0.02505
-1.66800 -0.02450
-1.66700 -0.02394
-1.66600 -0.02339
-1.66500 -0.02284
-1.66400 -0.02230
-1.66300 -0.02175
-1.66200 -0.02121
-1.66100 -0.02066
-1.66000 -0.02012
-1.65900 -0.01958
-1.65800 -0.01905
-1.65700 -0.01851
-1.65600 -0.01798
-1.65500 -0.01744
-1.65400 -0.01691
-1.65300 -0.01638
-1.65200 -0.01585
-1.65100 -0.01533
-1.65000 -0.01480
-1.64900 -0.01428
-1.64800 -0.01376
-1.64700 -0.01324
```

```
-1.64600 -0.01272
-1.64500 -0.01220
-1.64400 -0.01169
-1.64300 -0.01117
-1.64200 -0.01066
-1.64100 -0.01015
-1.64000 -0.00964
-1.63900 -0.00913
-1.63800 -0.00862
-1.63700 -0.00812
-1.63600 -0.00762
-1.63500 -0.00712
-1.63400 -0.00661
-1.63300 -0.00612
-1.63200 -0.00562
-1.63100 -0.00512
-1.63000 -0.00463
-1.62900 -0.00414
-1.62800 -0.00365
-1.62700 -0.00316
-1.62600 -0.00267
-1.62500 -0.00218
-1.62400 -0.00170
-1.62300 -0.00121
-1.62200 -0.00073
-1.62100 -0.00025
-1.62000 0.00023
-1.61900 0.00071
-1.61800 0.00119
-1.61700 0.00166
-1.61600 0.00213
-1.61500 0.00261
-1.61400 0.00308
-1.61300 0.00355
-1.61200 0.00401
-1.61100 0.00448
-1.61000 0.00495
-1.60900 0.00541
-1.60800 0.00587
-1.60700 0.00633
-1.60600 0.00679
-1.60500 0.00725
-1.60400 0.00771
-1.60300 0.00816
-1.60200 0.00861
-1.60100 0.00907
-1.60000 0.00952
-1.59900 0.00997
-1.59800 0.01042
-1.59700 0.01086
-1.59600 0.01131
```

```
-1.59500 0.01175
-1.59400 0.01220
-1.59300 0.01264
-1.59200 0.01308
-1.59100 0.01352
-1.59000 0.01395
-1.58900 0.01439
-1.58800 0.01482
-1.58700 0.01526
-1.58600 0.01569
-1.58500 0.01612
-1.58400 0.01655
-1.58300 0.01698
-1.58200 0.01741
-1.58100 0.01783
-1.58000 0.01826
-1.57900 0.01868
-1.57800 0.01910
-1.57700 0.01952
-1.57600 0.01994
-1.57500 0.02036
-1.57400 0.02077
-1.57300 0.02119
-1.57200 0.02160
-1.57100 0.02202
-1.57000 0.02243
-1.56900 0.02284
-1.56800 0.02325
-1.56700 0.02365
-1.56600 0.02406
-1.56500 0.02447
-1.56400 0.02487
-1.56300 0.02527
-1.56200 0.02567
-1.56100 0.02608
-1.56000 0.02647
-1.55900 0.02687
-1.55800 0.02727
-1.55700 0.02766
-1.55600 0.02806
-1.55500 0.02845
-1.55400 0.02884
-1.55300 0.02923
-1.55200 0.02962
-1.55100 0.03001
-1.55000 0.03040
-1.54900 0.03079
-1.54800 0.03117
-1.54700 0.03155
-1.54600 0.03194
-1.54500 0.03232
```

```
-1.54400 0.03270
-1.54300 0.03308
-1.54200 0.03345
-1.54100 0.03383
-1.54000 0.03421
-1.53900 0.03458
-1.53800 0.03495
-1.53700 0.03533
-1.53600 0.03570
-1.53500 0.03607
-1.53400 0.03644
-1.53300 0.03680
-1.53200 0.03717
-1.53100 0.03754
-1.53000 0.03790
-1.52900 0.03826
-1.52800 0.03863
-1.52700 0.03899
-1.52600 0.03935
-1.52500 0.03970
-1.52400 0.04006
-1.52300 0.04042
-1.52200 0.04078
-1.52100 0.04113
-1.52000 0.04148
-1.51900 0.04184
-1.51800 0.04219
-1.51700 0.04254
-1.51600 0.04289
-1.51500 0.04323
-1.51400 0.04358
-1.51300 0.04393
-1.51200 0.04427
-1.51100 0.04462
-1.51000 0.04496
-1.50900 0.04530
-1.50800 0.04564
-1.50700 0.04598
-1.50600 0.04632
-1.50500 0.04666
-1.50400 0.04700
-1.50300 0.04733
-1.50200 0.04767
-1.50100 0.04800
-1.50000 0.04834
-1.49900 0.04867
-1.49800 0.04900
-1.49700 0.04933
-1.49600 0.04966
-1.49500 0.04999
-1.49400 0.05031
```

```
-1.49300 0.05064
-1.49200 0.05096
-1.49100 0.05129
-1.49000 0.05161
-1.48900 0.05193
-1.48800 0.05226
-1.48700 0.05258
-1.48600 0.05290
-1.48500 0.05321
-1.48400 0.05353
-1.48300 0.05385
-1.48200 0.05417
-1.48100 0.05448
-1.48000 0.05479
-1.47900 0.05511
-1.47800 0.05542
-1.47700 0.05573
-1.47600 0.05604
-1.47500 0.05635
-1.47400 0.05666
-1.47300 0.05697
-1.47200 0.05727
-1.47100 0.05758
-1.47000 0.05789
-1.46900 0.05819
-1.46800 0.05849
-1.46700 0.05880
-1.46600 0.05910
-1.46500 0.05940
-1.46400 0.05970
-1.46300 0.06000
-1.46200 0.06030
-1.46100 0.06059
-1.46000 0.06089
-1.45900 0.06119
-1.45800 0.06148
-1.45700 0.06178
-1.45600 0.06207
-1.45500 0.06236
-1.45400 0.06265
-1.45300 0.06294
-1.45200 0.06323
-1.45100 0.06352
-1.45000 0.06381
-1.44900 0.06410
-1.44800 0.06439
-1.44700 0.06467
-1.44600 0.06496
-1.44500 0.06524
-1.44400 0.06553
-1.44300 0.06581
```

```
-1.44200 0.06609
-1.44100 0.06637
-1.44000 0.06665
-1.43900 0.06693
-1.43800 0.06721
-1.43700 0.06749
-1.43600 0.06777
-1.43500 0.06805
-1.43400 0.06832
-1.43300 0.06860
-1.43200 0.06887
-1.43100 0.06915
-1.43000 0.06942
-1.42900 0.06969
-1.42800 0.06996
-1.42700 0.07024
-1.42600 0.07051
-1.42500 0.07078
-1.42400 0.07105
-1.42300 0.07131
-1.42200 0.07158
-1.42100 0.07185
-1.42000 0.07211
-1.41900 0.07238
-1.41800 0.07265
-1.41700 0.07291
-1.41600 0.07317
-1.41500 0.07344
-1.41400 0.07370
-1.41300 0.07396
-1.41200 0.07422
-1.41100 0.07448
-1.41000 0.07474
-1.40900 0.07500
-1.40800 0.07526
-1.40700 0.07552
-1.40600 0.07577
-1.40500 0.07603
-1.40400 0.07629
-1.40300 0.07654
-1.40200 0.07680
-1.40100 0.07705
-1.40000 0.07730
-1.39900 0.07756
-1.39800 0.07781
-1.39700 0.07806
-1.39600 0.07831
-1.39500 0.07856
-1.39400 0.07881
-1.39300 0.07906
-1.39200 0.07931
```

```
-1.39100 0.07956
-1.39000 0.07980
-1.38900 0.08005
-1.38800 0.08030
-1.38700 0.08054
-1.38600 0.08079
-1.38500 0.08103
-1.38400 0.08128
-1.38300 0.08152
-1.38200 0.08176
-1.38100 0.08201
-1.38000 0.08225
-1.37900 0.08249
-1.37800 0.08273
-1.37700 0.08297
-1.37600 0.08321
-1.37500 0.08345
-1.37400 0.08369
-1.37300 0.08393
-1.37200 0.08416
-1.37100 0.08440
-1.37000 0.08464
-1.36900 0.08487
-1.36800 0.08511
-1.36700 0.08535
-1.36600 0.08558
-1.36500 0.08581
-1.36400 0.08605
-1.36300 0.08628
-1.36200 0.08651
-1.36100 0.08675
-1.36000 0.08698
-1.35900 0.08721
-1.35800 0.08744
-1.35700 0.08767
-1.35600 0.08790
-1.35500 0.08813
-1.35400 0.08836
-1.35300 0.08859
-1.35200 0.08882
-1.35100 0.08905
-1.35000 0.08927
-1.34900 0.08950
-1.34800 0.08973
-1.34700 0.08995
-1.34600 0.09018
-1.34500 0.09040
-1.34400 0.09063
-1.34300 0.09085
-1.34200 0.09108
-1.34100 0.09130
```

```
-1.34000 0.09153
-1.33900 0.09175
-1.33800 0.09197
-1.33700 0.09219
-1.33600 0.09241
-1.33500 0.09264
-1.33400 0.09286
-1.33300 0.09308
-1.33200 0.09330
-1.33100 0.09352
-1.33000 0.09374
-1.32900 0.09396
-1.32800 0.09418
-1.32700 0.09439
-1.32600 0.09461
-1.32500 0.09483
-1.32400 0.09505
-1.32300 0.09527
-1.32200 0.09548
-1.32100 0.09570
-1.32000 0.09591
-1.31900 0.09613
-1.31800 0.09635
-1.31700 0.09656
-1.31600 0.09678
-1.31500 0.09699
-1.31400 0.09721
-1.31300 0.09742
-1.31200 0.09763
-1.31100 0.09785
-1.31000 0.09806
-1.30900 0.09827
-1.30800 0.09849
-1.30700 0.09870
-1.30600 0.09891
-1.30500 0.09912
-1.30400 0.09933
-1.30300 0.09954
-1.30200 0.09976
-1.30100 0.09997
-1.30000 0.10018
-1.29900 0.10039
-1.29800 0.10060
-1.29700 0.10081
-1.29600 0.10102
-1.29500 0.10123
-1.29400 0.10143
-1.29300 0.10164
-1.29200 0.10185
-1.29100 0.10206
-1.29000 0.10227
```

```
-1.28900 0.10248
-1.28800 0.10268
-1.28700 0.10289
-1.28600 0.10310
-1.28500 0.10331
-1.28400 0.10351
-1.28300 0.10372
-1.28200 0.10393
-1.28100 0.10413
-1.28000 0.10434
-1.27900 0.10454
-1.27800 0.10475
-1.27700 0.10496
-1.27600 0.10516
-1.27500 0.10537
-1.27400 0.10557
-1.27300 0.10578
-1.27200 0.10598
-1.27100 0.10619
-1.27000 0.10639
-1.26900 0.10659
-1.26800 0.10680
-1.26700 0.10700
-1.26600 0.10721
-1.26500 0.10741
-1.26400 0.10761
-1.26300 0.10782
-1.26200 0.10802
-1.26100 0.10822
-1.26000 0.10843
-1.25900 0.10863
-1.25800 0.10883
-1.25700 0.10904
-1.25600 0.10924
-1.25500 0.10944
-1.25400 0.10964
-1.25300 0.10985
-1.25200 0.11005
-1.25100 0.11025
-1.25000 0.11045
-1.24900 0.11065
-1.24800 0.11086
-1.24700 0.11106
-1.24600 0.11126
-1.24500 0.11146
-1.24400 0.11166
-1.24300 0.11187
-1.24200 0.11207
-1.24100 0.11227
-1.24000 0.11247
-1.23900 0.11267
```

```
-1.23800 0.11287
-1.23700 0.11307
-1.23600 0.11328
-1.23500 0.11348
-1.23400 0.11368
-1.23300 0.11388
-1.23200 0.11408
-1.23100 0.11428
-1.23000 0.11448
-1.22900 0.11468
-1.22800 0.11489
-1.22700 0.11509
-1.22600 0.11529
-1.22500 0.11549
-1.22400 0.11569
-1.22300 0.11589
-1.22200 0.11609
-1.22100 0.11629
-1.22000 0.11649
-1.21900 0.11670
-1.21800 0.11690
-1.21700 0.11710
-1.21600 0.11730
-1.21500 0.11750
-1.21400 0.11770
-1.21300 0.11790
-1.21200 0.11811
-1.21100 0.11831
-1.21000 0.11851
-1.20900 0.11871
-1.20800 0.11891
-1.20700 0.11911
-1.20600 0.11931
-1.20500 0.11952
-1.20400 0.11972
-1.20300 0.11992
-1.20200 0.12012
-1.20100 0.12032
-1.20000 0.12053
-1.19900 0.12073
-1.19800 0.12093
-1.19700 0.12113
-1.19600 0.12134
-1.19500 0.12154
-1.19400 0.12174
-1.19300 0.12194
-1.19200 0.12215
-1.19100 0.12235
-1.19000 0.12255
-1.18900 0.12276
-1.18800 0.12296
```

```
-1.18700 0.12316
-1.18600 0.12337
-1.18500 0.12357
-1.18400 0.12378
-1.18300 0.12398
-1.18200 0.12418
-1.18100 0.12439
-1.18000 0.12459
-1.17900 0.12480
-1.17800 0.12500
-1.17700 0.12521
-1.17600 0.12541
-1.17500 0.12562
-1.17400 0.12582
-1.17300 0.12603
-1.17200 0.12623
-1.17100 0.12644
-1.17000 0.12665
-1.16900 0.12685
-1.16800 0.12706
-1.16700 0.12727
-1.16600 0.12747
-1.16500 0.12768
-1.16400 0.12789
-1.16300 0.12809
-1.16200 0.12830
-1.16100 0.12851
-1.16000 0.12872
-1.15900 0.12893
-1.15800 0.12913
-1.15700 0.12934
-1.15600 0.12955
-1.15500 0.12976
-1.15400 0.12997
-1.15300 0.13018
-1.15200 0.13039
-1.15100 0.13060
-1.15000 0.13081
-1.14900 0.13102
-1.14800 0.13123
-1.14700 0.13144
-1.14600 0.13165
-1.14500 0.13186
-1.14400 0.13208
-1.14300 0.13229
-1.14200 0.13250
-1.14100 0.13271
-1.14000 0.13292
-1.13900 0.13314
-1.13800 0.13335
-1.13700 0.13356
```

```
-1.13600 0.13378
-1.13500 0.13399
-1.13400 0.13421
-1.13300 0.13442
-1.13200 0.13464
-1.13100 0.13485
-1.13000 0.13507
-1.12900 0.13528
-1.12800 0.13550
-1.12700 0.13572
-1.12600 0.13593
-1.12500 0.13615
-1.12400 0.13637
-1.12300 0.13659
-1.12200 0.13680
-1.12100 0.13702
-1.12000 0.13724
-1.11900 0.13746
-1.11800 0.13768
-1.11700 0.13790
-1.11600 0.13812
-1.11500 0.13834
-1.11400 0.13856
-1.11300 0.13878
-1.11200 0.13900
-1.11100 0.13922
-1.11000 0.13945
-1.10900 0.13967
-1.10800 0.13989
-1.10700 0.14011
-1.10600 0.14034
-1.10500 0.14056
-1.10400 0.14079
-1.10300 0.14101
-1.10200 0.14124
-1.10100 0.14146
-1.10000 0.14169
-1.09900 0.14191
-1.09800 0.14214
-1.09700 0.14237
-1.09600 0.14259
-1.09500 0.14282
-1.09400 0.14305
-1.09300 0.14328
-1.09200 0.14351
-1.09100 0.14374
-1.09000 0.14397
-1.08900 0.14420
-1.08800 0.14443
-1.08700 0.14466
-1.08600 0.14489
```

```
-1.08500 0.14512
-1.08400 0.14536
-1.08300 0.14559
-1.08200 0.14582
-1.08100 0.14605
-1.08000 0.14629
-1.07900 0.14652
-1.07800 0.14676
-1.07700 0.14699
-1.07600 0.14723
-1.07500 0.14747
-1.07400 0.14770
-1.07300 0.14794
-1.07200 0.14818
-1.07100 0.14842
-1.07000 0.14865
-1.06900 0.14889
-1.06800 0.14913
-1.06700 0.14937
-1.06600 0.14961
-1.06500 0.14985
-1.06400 0.15010
-1.06300 0.15034
-1.06200 0.15058
-1.06100 0.15082
-1.06000 0.15107
-1.05900 0.15131
-1.05800 0.15155
-1.05700 0.15180
-1.05600 0.15205
-1.05500 0.15229
-1.05400 0.15254
-1.05300 0.15278
-1.05200 0.15303
-1.05100 0.15328
-1.05000 0.15353
-1.04900 0.15378
-1.04800 0.15403
-1.04700 0.15428
-1.04600 0.15453
-1.04500 0.15478
-1.04400 0.15503
-1.04300 0.15528
-1.04200 0.15553
-1.04100 0.15579
-1.04000 0.15604
-1.03900 0.15630
-1.03800 0.15655
-1.03700 0.15681
-1.03600 0.15706
-1.03500 0.15732
```

```
-1.03400 0.15758
-1.03300 0.15783
-1.03200 0.15809
-1.03100 0.15835
-1.03000 0.15861
-1.02900 0.15887
-1.02800 0.15913
-1.02700 0.15939
-1.02600 0.15965
-1.02500 0.15992
-1.02400 0.16018
-1.02300 0.16044
-1.02200 0.16071
-1.02100 0.16097
-1.02000 0.16124
-1.01900 0.16150
-1.01800 0.16177
-1.01700 0.16203
-1.01600 0.16230
-1.01500 0.16257
-1.01400 0.16284
-1.01300 0.16311
-1.01200 0.16338
-1.01100 0.16365
-1.01000 0.16392
-1.00900 0.16419
-1.00800 0.16446
-1.00700 0.16474
-1.00600 0.16501
-1.00500 0.16529
-1.00400 0.16556
-1.00300 0.16584
-1.00200 0.16611
-1.00100 0.16639
-1.00000 0.16667
-0.99900 0.16694
-0.99800 0.16722
-0.99700 0.16750
-0.99600 0.16778
-0.99500 0.16806
-0.99400 0.16835
-0.99300 0.16863
-0.99200 0.16891
-0.99100 0.16919
-0.99000 0.16948
-0.98900 0.16976
-0.98800 0.17005
-0.98700 0.17033
-0.98600 0.17062
-0.98500 0.17091
-0.98400 0.17120
```

```
-0.98300 0.17148
-0.98200 0.17177
-0.98100 0.17206
-0.98000 0.17235
-0.97900 0.17265
-0.97800 0.17294
-0.97700 0.17323
-0.97600 0.17352
-0.97500 0.17382
-0.97400 0.17411
-0.97300 0.17441
-0.97200 0.17471
-0.97100 0.17500
-0.97000 0.17530
-0.96900 0.17560
-0.96800 0.17590
-0.96700 0.17620
-0.96600 0.17650
-0.96500 0.17680
-0.96400 0.17710
-0.96300 0.17740
-0.96200 0.17771
-0.96100 0.17801
-0.96000 0.17832
-0.95900 0.17862
-0.95800 0.17893
-0.95700 0.17924
-0.95600 0.17954
-0.95500 0.17985
-0.95400 0.18016
-0.95300 0.18047
-0.95200 0.18078
-0.95100 0.18109
-0.95000 0.18141
-0.94900 0.18172
-0.94800 0.18203
-0.94700 0.18235
-0.94600 0.18266
-0.94500 0.18298
-0.94400 0.18330
-0.94300 0.18361
-0.94200 0.18393
-0.94100 0.18425
-0.94000 0.18457
-0.93900 0.18489
-0.93800 0.18521
-0.93700 0.18553
-0.93600 0.18586
-0.93500 0.18618
-0.93400 0.18651
-0.93300 0.18683
```

```
-0.93200 0.18716
-0.93100 0.18748
-0.93000 0.18781
-0.92900 0.18814
-0.92800 0.18847
-0.92700 0.18880
-0.92600 0.18913
-0.92500 0.18946
-0.92400 0.18979
-0.92300 0.19013
-0.92200 0.19046
-0.92100 0.19080
-0.92000 0.19113
-0.91900 0.19147
-0.91800 0.19181
-0.91700 0.19214
-0.91600 0.19248
-0.91500 0.19282
-0.91400 0.19316
-0.91300 0.19350
-0.91200 0.19385
-0.91100 0.19419
-0.91000 0.19453
-0.90900 0.19488
-0.90800 0.19522
-0.90700 0.19557
-0.90600 0.19592
-0.90500 0.19627
-0.90400 0.19662
-0.90300 0.19696
-0.90200 0.19732
-0.90100 0.19767
-0.90000 0.19802
-0.89900 0.19837
-0.89800 0.19873
-0.89700 0.19908
-0.89600 0.19944
-0.89500 0.19980
-0.89400 0.20015
-0.89300 0.20051
-0.89200 0.20087
-0.89100 0.20123
-0.89000 0.20159
-0.88900 0.20195
-0.88800 0.20232
-0.88700 0.20268
-0.88600 0.20305
-0.88500 0.20341
-0.88400 0.20378
-0.88300 0.20415
-0.88200 0.20451
```

```
-0.88100 0.20488
-0.88000 0.20525
-0.87900 0.20563
-0.87800 0.20600
-0.87700 0.20637
-0.87600 0.20674
-0.87500 0.20712
-0.87400 0.20750
-0.87300 0.20787
-0.87200 0.20825
-0.87100 0.20863
-0.87000 0.20901
-0.86900 0.20939
-0.86800 0.20977
-0.86700 0.21015
-0.86600 0.21054
-0.86500 0.21092
-0.86400 0.21131
-0.86300 0.21169
-0.86200 0.21208
-0.86100 0.21247
-0.86000 0.21286
-0.85900 0.21325
-0.85800 0.21364
-0.85700 0.21403
-0.85600 0.21442
-0.85500 0.21482
-0.85400 0.21521
-0.85300 0.21561
-0.85200 0.21601
-0.85100 0.21640
-0.85000 0.21680
-0.84900 0.21720
-0.84800 0.21760
-0.84700 0.21801
-0.84600 0.21841
-0.84500 0.21881
-0.84400 0.21922
-0.84300 0.21962
-0.84200 0.22003
-0.84100 0.22044
-0.84000 0.22085
-0.83900 0.22126
-0.83800 0.22167
-0.83700 0.22208
-0.83600 0.22250
-0.83500 0.22291
-0.83400 0.22332
-0.83300 0.22374
-0.83200 0.22416
-0.83100 0.22458
```

```
-0.83000 0.22500
-0.82900 0.22542
-0.82800 0.22584
-0.82700 0.22626
-0.82600 0.22669
-0.82500 0.22711
-0.82400 0.22754
-0.82300 0.22796
-0.82200 0.22839
-0.82100 0.22882
-0.82000 0.22925
-0.81900 0.22968
-0.81800 0.23012
-0.81700 0.23055
-0.81600 0.23099
-0.81500 0.23142
-0.81400 0.23186
-0.81300 0.23230
-0.81200 0.23274
-0.81100 0.23318
-0.81000 0.23362
-0.80900 0.23406
-0.80800 0.23450
-0.80700 0.23495
-0.80600 0.23539
-0.80500 0.23584
-0.80400 0.23629
-0.80300 0.23674
-0.80200 0.23719
-0.80100 0.23764
-0.80000 0.23810
-0.79900 0.23855
-0.79800 0.23900
-0.79700 0.23946
-0.79600 0.23992
-0.79500 0.24038
-0.79400 0.24084
-0.79300 0.24130
-0.79200 0.24176
-0.79100 0.24222
-0.79000 0.24269
-0.78900 0.24315
-0.78800 0.24362
-0.78700 0.24409
-0.78600 0.24456
-0.78500 0.24503
-0.78400 0.24550
-0.78300 0.24598
-0.78200 0.24645
-0.78100 0.24693
-0.78000 0.24740
```

```
-0.77900 0.24788
-0.77800 0.24836
-0.77700 0.24884
-0.77600 0.24932
-0.77500 0.24980
-0.77400 0.25029
-0.77300 0.25077
-0.77200 0.25126
-0.77100 0.25175
-0.77000 0.25224
-0.76900 0.25273
-0.76800 0.25322
-0.76700 0.25371
-0.76600 0.25421
-0.76500 0.25470
-0.76400 0.25520
-0.76300 0.25570
-0.76200 0.25620
-0.76100 0.25670
-0.76000 0.25720
-0.75900 0.25770
-0.75800 0.25821
-0.75700 0.25872
-0.75600 0.25922
-0.75500 0.25973
-0.75400 0.26024
-0.75300 0.26075
-0.75200 0.26127
-0.75100 0.26178
-0.75000 0.26230
-0.74900 0.26281
-0.74800 0.26333
-0.74700 0.26385
-0.74600 0.26437
-0.74500 0.26489
-0.74400 0.26542
-0.74300 0.26594
-0.74200 0.26647
-0.74100 0.26699
-0.74000 0.26752
-0.73900 0.26805
-0.73800 0.26858
-0.73700 0.26912
-0.73600 0.26965
-0.73500 0.27019
-0.73400 0.27073
-0.73300 0.27126
-0.73200 0.27180
-0.73100 0.27235
-0.73000 0.27289
-0.72900 0.27343
```

```
-0.72800 0.27398
-0.72700 0.27453
-0.72600 0.27507
-0.72500 0.27562
-0.72400 0.27618
-0.72300 0.27673
-0.72200 0.27728
-0.72100 0.27784
-0.72000 0.27840
-0.71900 0.27896
-0.71800 0.27952
-0.71700 0.28008
-0.71600 0.28064
-0.71500 0.28120
-0.71400 0.28177
-0.71300 0.28234
-0.71200 0.28291
-0.71100 0.28348
-0.71000 0.28405
-0.70900 0.28462
-0.70800 0.28520
-0.70700 0.28578
-0.70600 0.28635
-0.70500 0.28693
-0.70400 0.28751
-0.70300 0.28810
-0.70200 0.28868
-0.70100 0.28927
-0.70000 0.28985
-0.69900 0.29044
-0.69800 0.29103
-0.69700 0.29163
-0.69600 0.29222
-0.69500 0.29281
-0.69400 0.29341
-0.69300 0.29401
-0.69200 0.29461
-0.69100 0.29521
-0.69000 0.29581
-0.68900 0.29642
-0.68800 0.29702
-0.68700 0.29763
-0.68600 0.29824
-0.68500 0.29885
-0.68400 0.29947
-0.68300 0.30008
-0.68200 0.30070
-0.68100 0.30131
-0.68000 0.30193
-0.67900 0.30255
-0.67800 0.30318
```

```
-0.67700 0.30380
-0.67600 0.30443
-0.67500 0.30505
-0.67400 0.30568
-0.67300 0.30631
-0.67200 0.30694
-0.67100 0.30758
-0.67000 0.30821
-0.66900 0.30885
-0.66800 0.30949
-0.66700 0.31013
-0.66600 0.31077
-0.66500 0.31142
-0.66400 0.31206
-0.66300 0.31271
-0.66200 0.31336
-0.66100 0.31401
-0.66000 0.31466
-0.65900 0.31532
-0.65800 0.31597
-0.65700 0.31663
-0.65600 0.31729
-0.65500 0.31795
-0.65400 0.31862
-0.65300 0.31928
-0.65200 0.31995
-0.65100 0.32062
-0.65000 0.32129
-0.64900 0.32196
-0.64800 0.32263
-0.64700 0.32331
-0.64600 0.32398
-0.64500 0.32466
-0.64400 0.32534
-0.64300 0.32603
-0.64200 0.32671
-0.64100 0.32740
-0.64000 0.32808
-0.63900 0.32877
-0.63800 0.32947
-0.63700 0.33016
-0.63600 0.33085
-0.63500 0.33155
-0.63400 0.33225
-0.63300 0.33295
-0.63200 0.33365
-0.63100 0.33436
-0.63000 0.33506
-0.62900 0.33577
-0.62800 0.33648
-0.62700 0.33719
```

```
-0.62600 0.33791
-0.62500 0.33862
-0.62400 0.33934
-0.62300 0.34006
-0.62200 0.34078
-0.62100 0.34151
-0.62000 0.34223
-0.61900 0.34296
-0.61800 0.34369
-0.61700 0.34442
-0.61600 0.34515
-0.61500 0.34589
-0.61400 0.34662
-0.61300 0.34736
-0.61200 0.34810
-0.61100 0.34884
-0.61000 0.34959
-0.60900 0.35034
-0.60800 0.35108
-0.60700 0.35183
-0.60600 0.35259
-0.60500 0.35334
-0.60400 0.35410
-0.60300 0.35486
-0.60200 0.35562
-0.60100 0.35638
-0.60000 0.35714
-0.59900 0.35791
-0.59800 0.35868
-0.59700 0.35945
-0.59600 0.36022
-0.59500 0.36099
-0.59400 0.36177
-0.59300 0.36255
-0.59200 0.36333
-0.59100 0.36411
-0.59000 0.36490
-0.58900 0.36568
-0.58800 0.36647
-0.58700 0.36726
-0.58600 0.36806
-0.58500 0.36885
-0.58400 0.36965
-0.58300 0.37045
-0.58200 0.37125
-0.58100 0.37205
-0.58000 0.37286
-0.57900 0.37366
-0.57800 0.37447
-0.57700 0.37528
-0.57600 0.37610
```

```
-0.57500 0.37691
-0.57400 0.37773
-0.57300 0.37855
-0.57200 0.37937
-0.57100 0.38020
-0.57000 0.38102
-0.56900 0.38185
-0.56800 0.38268
-0.56700 0.38352
-0.56600 0.38435
-0.56500 0.38519
-0.56400 0.38603
-0.56300 0.38687
-0.56200 0.38771
-0.56100 0.38856
-0.56000 0.38941
-0.55900 0.39026
-0.55800 0.39111
-0.55700 0.39197
-0.55600 0.39282
-0.55500 0.39368
-0.55400 0.39454
-0.55300 0.39541
-0.55200 0.39627
-0.55100 0.39714
-0.55000 0.39801
-0.54900 0.39888
-0.54800 0.39976
-0.54700 0.40063
-0.54600 0.40151
-0.54500 0.40239
-0.54400 0.40328
-0.54300 0.40416
-0.54200 0.40505
-0.54100 0.40594
-0.54000 0.40683
-0.53900 0.40773
-0.53800 0.40863
-0.53700 0.40953
-0.53600 0.41043
-0.53500 0.41133
-0.53400 0.41224
-0.53300 0.41315
-0.53200 0.41406
-0.53100 0.41497
-0.53000 0.41589
-0.52900 0.41680
-0.52800 0.41772
-0.52700 0.41865
-0.52600 0.41957
-0.52500 0.42050
```

```
-0.52400 0.42143
-0.52300 0.42236
-0.52200 0.42329
-0.52100 0.42423
-0.52000 0.42517
-0.51900 0.42611
-0.51800 0.42705
-0.51700 0.42800
-0.51600 0.42895
-0.51500 0.42990
-0.51400 0.43085
-0.51300 0.43181
-0.51200 0.43277
-0.51100 0.43373
-0.51000 0.43469
-0.50900 0.43565
-0.50800 0.43662
-0.50700 0.43759
-0.50600 0.43856
-0.50500 0.43954
-0.50400 0.44051
-0.50300 0.44149
-0.50200 0.44247
-0.50100 0.44346
-0.50000 0.44444
-0.49900 0.44543
-0.49800 0.44642
-0.49700 0.44742
-0.49600 0.44841
-0.49500 0.44941
-0.49400 0.45041
-0.49300 0.45142
-0.49200 0.45242
-0.49100 0.45343
-0.49000 0.45444
-0.48900 0.45546
-0.48800 0.45647
-0.48700 0.45749
-0.48600 0.45851
-0.48500 0.45953
-0.48400 0.46056
-0.48300 0.46159
-0.48200 0.46262
-0.48100 0.46365
-0.48000 0.46468
-0.47900 0.46572
-0.47800 0.46676
-0.47700 0.46780
-0.47600 0.46885
-0.47500 0.46990
-0.47400 0.47095
```

```
-0.47300 0.47200
-0.47200 0.47305
-0.47100 0.47411
-0.47000 0.47517
-0.46900 0.47623
-0.46800 0.47730
-0.46700 0.47837
-0.46600 0.47944
-0.46500 0.48051
-0.46400 0.48158
-0.46300 0.48266
-0.46200 0.48374
-0.46100 0.48482
-0.46000 0.48591
-0.45900 0.48700
-0.45800 0.48809
-0.45700 0.48918
-0.45600 0.49027
-0.45500 0.49137
-0.45400 0.49247
-0.45300 0.49357
-0.45200 0.49468
-0.45100 0.49578
-0.45000 0.49689
-0.44900 0.49801
-0.44800 0.49912
-0.44700 0.50024
-0.44600 0.50136
-0.44500 0.50248
-0.44400 0.50361
-0.44300 0.50473
-0.44200 0.50586
-0.44100 0.50700
-0.44000 0.50813
-0.43900 0.50927
-0.43800 0.51041
-0.43700 0.51155
-0.43600 0.51269
-0.43500 0.51384
-0.43400 0.51499
-0.43300 0.51614
-0.43200 0.51730
-0.43100 0.51846
-0.43000 0.51962
-0.42900 0.52078
-0.42800 0.52194
-0.42700 0.52311
-0.42600 0.52428
-0.42500 0.52545
-0.42400 0.52663
-0.42300 0.52780
```

```
-0.42200 0.52898
-0.42100 0.53017
-0.42000 0.53135
-0.41900 0.53254
-0.41800 0.53373
-0.41700 0.53492
-0.41600 0.53611
-0.41500 0.53731
-0.41400 0.53851
-0.41300 0.53971
-0.41200 0.54091
-0.41100 0.54212
-0.41000 0.54333
-0.40900 0.54454
-0.40800 0.54576
-0.40700 0.54697
-0.40600 0.54819
-0.40500 0.54941
-0.40400 0.55064
-0.40300 0.55186
-0.40200 0.55309
-0.40100 0.55432
-0.40000 0.55556
-0.39900 0.55679
-0.39800 0.55803
-0.39700 0.55927
-0.39600 0.56051
-0.39500 0.56176
-0.39400 0.56301
-0.39300 0.56426
-0.39200 0.56551
-0.39100 0.56676
-0.39000 0.56802
-0.38900 0.56928
-0.38800 0.57054
-0.38700 0.57181
-0.38600 0.57307
-0.38500 0.57434
-0.38400 0.57561
-0.38300 0.57689
-0.38200 0.57816
-0.38100 0.57944
-0.38000 0.58072
-0.37900 0.58200
-0.37800 0.58329
-0.37700 0.58457
-0.37600 0.58586
-0.37500 0.58716
-0.37400 0.58845
-0.37300 0.58975
-0.37200 0.59104
```

```
-0.37100 0.59235
-0.37000 0.59365
-0.36900 0.59495
-0.36800 0.59626
-0.36700 0.59757
-0.36600 0.59888
-0.36500 0.60020
-0.36400 0.60151
-0.36300 0.60283
-0.36200 0.60415
-0.36100 0.60547
-0.36000 0.60680
-0.35900 0.60812
-0.35800 0.60945
-0.35700 0.61078
-0.35600 0.61212
-0.35500 0.61345
-0.35400 0.61479
-0.35300 0.61613
-0.35200 0.61747
-0.35100 0.61881
-0.35000 0.62016
-0.34900 0.62150
-0.34800 0.62285
-0.34700 0.62420
-0.34600 0.62556
-0.34500 0.62691
-0.34400 0.62827
-0.34300 0.62963
-0.34200 0.63099
-0.34100 0.63235
-0.34000 0.63371
-0.33900 0.63508
-0.33800 0.63645
-0.33700 0.63782
-0.33600 0.63919
-0.33500 0.64056
-0.33400 0.64194
-0.33300 0.64332
-0.33200 0.64470
-0.33100 0.64608
-0.33000 0.64746
-0.32900 0.64884
-0.32800 0.65023
-0.32700 0.65162
-0.32600 0.65301
-0.32500 0.65440
-0.32400 0.65579
-0.32300 0.65718
-0.32200 0.65858
-0.32100 0.65998
```

```
-0.32000 0.66138
-0.31900 0.66278
-0.31800 0.66418
-0.31700 0.66558
-0.31600 0.66699
-0.31500 0.66839
-0.31400 0.66980
-0.31300 0.67121
-0.31200 0.67262
-0.31100 0.67403
-0.31000 0.67545
-0.30900 0.67686
-0.30800 0.67828
-0.30700 0.67970
-0.30600 0.68112
-0.30500 0.68254
-0.30400 0.68396
-0.30300 0.68538
-0.30200 0.68680
-0.30100 0.68823
-0.30000 0.68966
-0.29900 0.69108
-0.29800 0.69251
-0.29700 0.69394
-0.29600 0.69537
-0.29500 0.69680
-0.29400 0.69824
-0.29300 0.69967
-0.29200 0.70111
-0.29100 0.70254
-0.29000 0.70398
-0.28900 0.70542
-0.28800 0.70685
-0.28700 0.70829
-0.28600 0.70973
-0.28500 0.71117
-0.28400 0.71262
-0.28300 0.71406
-0.28200 0.71550
-0.28100 0.71695
-0.28000 0.71839
-0.27900 0.71984
-0.27800 0.72128
-0.27700 0.72273
-0.27600 0.72418
-0.27500 0.72562
-0.27400 0.72707
-0.27300 0.72852
-0.27200 0.72997
-0.27100 0.73142
-0.27000 0.73287
```

```
-0.26900 0.73432
-0.26800 0.73577
-0.26700 0.73722
-0.26600 0.73867
-0.26500 0.74012
-0.26400 0.74158
-0.26300 0.74303
-0.26200 0.74448
-0.26100 0.74593
-0.26000 0.74738
-0.25900 0.74884
-0.25800 0.75029
-0.25700 0.75174
-0.25600 0.75319
-0.25500 0.75465
-0.25400 0.75610
-0.25300 0.75755
-0.25200 0.75900
-0.25100 0.76045
-0.25000 0.76190
-0.24900 0.76336
-0.24800 0.76481
-0.24700 0.76626
-0.24600 0.76771
-0.24500 0.76916
-0.24400 0.77061
-0.24300 0.77205
-0.24200 0.77350
-0.24100 0.77495
-0.24000 0.77640
-0.23900 0.77784
-0.23800 0.77929
-0.23700 0.78073
-0.23600 0.78218
-0.23500 0.78362
-0.23400 0.78506
-0.23300 0.78651
-0.23200 0.78795
-0.23100 0.78939
-0.23000 0.79083
-0.22900 0.79226
-0.22800 0.79370
-0.22700 0.79514
-0.22600 0.79657
-0.22500 0.79801
-0.22400 0.79944
-0.22300 0.80087
-0.22200 0.80230
-0.22100 0.80373
-0.22000 0.80515
-0.21900 0.80658
```

```
-0.21800 0.80800
-0.21700 0.80942
-0.21600 0.81085
-0.21500 0.81227
-0.21400 0.81368
-0.21300 0.81510
-0.21200 0.81651
-0.21100 0.81793
-0.21000 0.81934
-0.20900 0.82075
-0.20800 0.82215
-0.20700 0.82356
-0.20600 0.82496
-0.20500 0.82636
-0.20400 0.82776
-0.20300 0.82916
-0.20200 0.83055
-0.20100 0.83194
-0.20000 0.83333
-0.19900 0.83472
-0.19800 0.83611
-0.19700 0.83749
-0.19600 0.83887
-0.19500 0.84025
-0.19400 0.84162
-0.19300 0.84300
-0.19200 0.84437
-0.19100 0.84573
-0.19000 0.84710
-0.18900 0.84846
-0.18800 0.84982
-0.18700 0.85118
-0.18600 0.85253
-0.18500 0.85388
-0.18400 0.85523
-0.18300 0.85657
-0.18200 0.85791
-0.18100 0.85925
-0.18000 0.86059
-0.17900 0.86192
-0.17800 0.86324
-0.17700 0.86457
-0.17600 0.86589
-0.17500 0.86721
-0.17400 0.86852
-0.17300 0.86983
-0.17200 0.87114
-0.17100 0.87244
-0.17000 0.87374
-0.16900 0.87504
-0.16800 0.87633
```

```
-0.16700 0.87762
-0.16600 0.87890
-0.16500 0.88018
-0.16400 0.88146
-0.16300 0.88273
-0.16200 0.88400
-0.16100 0.88527
-0.16000 0.88652
-0.15900 0.88778
-0.15800 0.88903
-0.15700 0.89028
-0.15600 0.89152
-0.15500 0.89276
-0.15400 0.89399
-0.15300 0.89522
-0.15200 0.89644
-0.15100 0.89766
-0.15000 0.89888
-0.14900 0.90009
-0.14800 0.90129
-0.14700 0.90249
-0.14600 0.90369
-0.14500 0.90487
-0.14400 0.90606
-0.14300 0.90724
-0.14200 0.90841
-0.14100 0.90958
-0.14000 0.91075
-0.13900 0.91191
-0.13800 0.91306
-0.13700 0.91421
-0.13600 0.91535
-0.13500 0.91649
-0.13400 0.91762
-0.13300 0.91874
-0.13200 0.91986
-0.13100 0.92098
-0.13000 0.92208
-0.12900 0.92319
-0.12800 0.92428
-0.12700 0.92537
-0.12600 0.92646
-0.12500 0.92754
-0.12400 0.92861
-0.12300 0.92967
-0.12200 0.93073
-0.12100 0.93179
-0.12000 0.93284
-0.11900 0.93388
-0.11800 0.93491
-0.11700 0.93594
```

```
-0.11600 0.93696
-0.11500 0.93798
-0.11400 0.93898
-0.11300 0.93999
-0.11200 0.94098
-0.11100 0.94197
-0.11000 0.94295
-0.10900 0.94393
-0.10800 0.94489
-0.10700 0.94585
-0.10600 0.94681
-0.10500 0.94776
-0.10400 0.94869
-0.10300 0.94963
-0.10200 0.95055
-0.10100 0.95147
-0.10000 0.95238
-0.09900 0.95328
-0.09800 0.95418
-0.09700 0.95507
-0.09600 0.95595
-0.09500 0.95682
-0.09400 0.95769
-0.09300 0.95855
-0.09200 0.95940
-0.09100 0.96024
-0.09000 0.96108
-0.08900 0.96190
-0.08800 0.96272
-0.08700 0.96353
-0.08600 0.96434
-0.08500 0.96513
-0.08400 0.96592
-0.08300 0.96670
-0.08200 0.96747
-0.08100 0.96824
-0.08000 0.96899
-0.07900 0.96974
-0.07800 0.97048
-0.07700 0.97121
-0.07600 0.97193
-0.07500 0.97264
-0.07400 0.97335
-0.07300 0.97405
-0.07200 0.97473
-0.07100 0.97541
-0.07000 0.97609
-0.06900 0.97675
-0.06800 0.97740
-0.06700 0.97805
-0.06600 0.97868
```

```
-0.06500 0.97931
-0.06400 0.97993
-0.06300 0.98054
-0.06200 0.98114
-0.06100 0.98173
-0.06000 0.98232
-0.05900 0.98289
-0.05800 0.98346
-0.05700 0.98401
-0.05600 0.98456
-0.05500 0.98510
-0.05400 0.98563
-0.05300 0.98615
-0.05200 0.98666
-0.05100 0.98716
-0.05000 0.98765
-0.04900 0.98814
-0.04800 0.98861
-0.04700 0.98908
-0.04600 0.98953
-0.04500 0.98998
-0.04400 0.99041
-0.04300 0.99084
-0.04200 0.99126
-0.04100 0.99167
-0.04000 0.99206
-0.03900 0.99245
-0.03800 0.99283
-0.03700 0.99320
-0.03600 0.99356
-0.03500 0.99391
-0.03400 0.99425
-0.03300 0.99458
-0.03200 0.99491
-0.03100 0.99522
-0.03000 0.99552
-0.02900 0.99581
-0.02800 0.99610
-0.02700 0.99637
-0.02600 0.99663
-0.02500 0.99688
-0.02400 0.99713
-0.02300 0.99736
-0.02200 0.99759
-0.02100 0.99780
-0.02000 0.99800
-0.01900 0.99820
-0.01800 0.99838
-0.01700 0.99856
-0.01600 0.99872
-0.01500 0.99888
```

```
-0.01400 0.99902
-0.01300 0.99916
-0.01200 0.99928
-0.01100 0.99940
-0.01000 0.99950
-0.00900 0.99960
-0.00800 0.99968
-0.00700 0.99976
-0.00600 0.99982
-0.00500 0.99988
-0.00400 0.99992
-0.00300 0.99996
-0.00200 0.99998
-0.00100 0.99999
-0.00000 1.00000
0.00100 0.99999
0.00200 0.99998
0.00300 0.99996
0.00400 0.99992
0.00500 0.99988
0.00600 0.99982
0.00700 0.99976
0.00800 0.99968
0.00900 0.99960
0.01000 0.99950
0.01100 0.99940
0.01200 0.99928
0.01300 0.99916
0.01400 0.99902
0.01500 0.99888
0.01600 0.99872
0.01700 0.99856
0.01800 0.99838
0.01900 0.99820
0.02000 0.99800
0.02100 0.99780
0.02200 0.99759
0.02300 0.99736
0.02400 0.99713
0.02500 0.99688
0.02600 0.99663
0.02700 0.99637
0.02800 0.99610
0.02900 0.99581
0.03000 0.99552
0.03100 0.99522
0.03200 0.99491
0.03300 0.99458
0.03400 0.99425
0.03500 0.99391
0.03600 0.99356
```

```
0.03700 0.99320
0.03800 0.99283
0.03900 0.99245
0.04000 0.99206
0.04100 0.99167
0.04200 0.99126
0.04300 0.99084
0.04400 0.99041
0.04500 0.98998
0.04600 0.98953
0.04700 0.98908
0.04800 0.98861
0.04900 0.98814
0.05000 0.98765
0.05100 0.98716
0.05200 0.98666
0.05300 0.98615
0.05400 0.98563
0.05500 0.98510
0.05600 0.98456
0.05700 0.98401
0.05800 0.98346
0.05900 0.98289
0.06000 0.98232
0.06100 0.98173
0.06200 0.98114
0.06300 0.98054
0.06400 0.97993
0.06500 0.97931
0.06600 0.97868
0.06700 0.97805
0.06800 0.97740
0.06900 0.97675
0.07000 0.97609
0.07100 0.97541
0.07200 0.97473
0.07300 0.97405
0.07400 0.97335
0.07500 0.97264
0.07600 0.97193
0.07700 0.97121
0.07800 0.97048
0.07900 0.96974
0.08000 0.96899
0.08100 0.96824
0.08200 0.96747
0.08300 0.96670
0.08400 0.96592
0.08500 0.96513
0.08600 0.96434
0.08700 0.96353
```

```
0.08800 0.96272
0.08900 0.96190
0.09000 0.96108
0.09100 0.96024
0.09200 0.95940
0.09300 0.95855
0.09400 0.95769
0.09500 0.95682
0.09600 0.95595
0.09700 0.95507
0.09800 0.95418
0.09900 0.95328
0.10000 0.95238
0.10100 0.95147
0.10200 0.95055
0.10300 0.94963
0.10400 0.94869
0.10500 0.94776
0.10600 0.94681
0.10700 0.94585
0.10800 0.94489
0.10900 0.94393
0.11000 0.94295
0.11100 0.94197
0.11200 0.94098
0.11300 0.93999
0.11400 0.93898
0.11500 0.93798
0.11600 0.93696
0.11700 0.93594
0.11800 0.93491
0.11900 0.93388
0.12000 0.93284
0.12100 0.93179
0.12200 0.93073
0.12300 0.92967
0.12400 0.92861
0.12500 0.92754
0.12600 0.92646
0.12700 0.92537
0.12800 0.92428
0.12900 0.92319
0.13000 0.92208
0.13100 0.92098
0.13200 0.91986
0.13300 0.91874
0.13400 0.91762
0.13500 0.91649
0.13600 0.91535
0.13700 0.91421
0.13800 0.91306
```

```
0.13900 0.91191
0.14000 0.91075
0.14100 0.90958
0.14200 0.90841
0.14300 0.90724
0.14400 0.90606
0.14500 0.90487
0.14600 0.90369
0.14700 0.90249
0.14800 0.90129
0.14900 0.90009
0.15000 0.89888
0.15100 0.89766
0.15200 0.89644
0.15300 0.89522
0.15400 0.89399
0.15500 0.89276
0.15600 0.89152
0.15700 0.89028
0.15800 0.88903
0.15900 0.88778
0.16000 0.88652
0.16100 0.88527
0.16200 0.88400
0.16300 0.88273
0.16400 0.88146
0.16500 0.88018
0.16600 0.87890
0.16700 0.87762
0.16800 0.87633
0.16900 0.87504
0.17000 0.87374
0.17100 0.87244
0.17200 0.87114
0.17300 0.86983
0.17400 0.86852
0.17500 0.86721
0.17600 0.86589
0.17700 0.86457
0.17800 0.86324
0.17900 0.86192
0.18000 0.86059
0.18100 0.85925
0.18200 0.85791
0.18300 0.85657
0.18400 0.85523
0.18500 0.85388
0.18600 0.85253
0.18700 0.85118
0.18800 0.84982
0.18900 0.84846
```

```
0.19000 0.84710
0.19100 0.84573
0.19200 0.84437
0.19300 0.84300
0.19400 0.84162
0.19500 0.84025
0.19600 0.83887
0.19700 0.83749
0.19800 0.83611
0.19900 0.83472
0.20000 0.83333
0.20100 0.83194
0.20200 0.83055
0.20300 0.82916
0.20400 0.82776
0.20500 0.82636
0.20600 0.82496
0.20700 0.82356
0.20800 0.82215
0.20900 0.82075
0.21000 0.81934
0.21100 0.81793
0.21200 0.81651
0.21300 0.81510
0.21400 0.81368
0.21500 0.81227
0.21600 0.81085
0.21700 0.80942
0.21800 0.80800
0.21900 0.80658
0.22000 0.80515
0.22100 0.80373
0.22200 0.80230
0.22300 0.80087
0.22400 0.79944
0.22500 0.79801
0.22600 0.79657
0.22700 0.79514
0.22800 0.79370
0.22900 0.79226
0.23000 0.79083
0.23100 0.78939
0.23200 0.78795
0.23300 0.78651
0.23400 0.78506
0.23500 0.78362
0.23600 0.78218
0.23700 0.78073
0.23800 0.77929
0.23900 0.77784
0.24000 0.77640
```

```
0.24100 0.77495
0.24200 0.77350
0.24300 0.77205
0.24400 0.77061
0.24500 0.76916
0.24600 0.76771
0.24700 0.76626
0.24800 0.76481
0.24900 0.76336
0.25000 0.76190
0.25100 0.76045
0.25200 0.75900
0.25300 0.75755
0.25400 0.75610
0.25500 0.75465
0.25600 0.75319
0.25700 0.75174
0.25800 0.75029
0.25900 0.74884
0.26000 0.74738
0.26100 0.74593
0.26200 0.74448
0.26300 0.74303
0.26400 0.74158
0.26500 0.74012
0.26600 0.73867
0.26700 0.73722
0.26800 0.73577
0.26900 0.73432
0.27000 0.73287
0.27100 0.73142
0.27200 0.72997
0.27300 0.72852
0.27400 0.72707
0.27500 0.72562
0.27600 0.72418
0.27700 0.72273
0.27800 0.72128
0.27900 0.71984
0.28000 0.71839
0.28100 0.71695
0.28200 0.71550
0.28300 0.71406
0.28400 0.71262
0.28500 0.71117
0.28600 0.70973
0.28700 0.70829
0.28800 0.70685
0.28900 0.70542
0.29000 0.70398
0.29100 0.70254
```

```
0.29200 0.70111
0.29300 0.69967
0.29400 0.69824
0.29500 0.69680
0.29600 0.69537
0.29700 0.69394
0.29800 0.69251
0.29900 0.69108
0.30000 0.68966
0.30100 0.68823
0.30200 0.68680
0.30300 0.68538
0.30400 0.68396
0.30500 0.68254
0.30600 0.68112
0.30700 0.67970
0.30800 0.67828
0.30900 0.67686
0.31000 0.67545
0.31100 0.67403
0.31200 0.67262
0.31300 0.67121
0.31400 0.66980
0.31500 0.66839
0.31600 0.66699
0.31700 0.66558
0.31800 0.66418
0.31900 0.66278
0.32000 0.66138
0.32100 0.65998
0.32200 0.65858
0.32300 0.65718
0.32400 0.65579
0.32500 0.65440
0.32600 0.65301
0.32700 0.65162
0.32800 0.65023
0.32900 0.64884
0.33000 0.64746
0.33100 0.64608
0.33200 0.64470
0.33300 0.64332
0.33400 0.64194
0.33500 0.64056
0.33600 0.63919
0.33700 0.63782
0.33800 0.63645
0.33900 0.63508
0.34000 0.63371
0.34100 0.63235
0.34200 0.63099
```

```
0.34300 0.62963
0.34400 0.62827
0.34500 0.62691
0.34600 0.62556
0.34700 0.62420
0.34800 0.62285
0.34900 0.62150
0.35000 0.62016
0.35100 0.61881
0.35200 0.61747
0.35300 0.61613
0.35400 0.61479
0.35500 0.61345
0.35600 0.61212
0.35700 0.61078
0.35800 0.60945
0.35900 0.60812
0.36000 0.60680
0.36100 0.60547
0.36200 0.60415
0.36300 0.60283
0.36400 0.60151
0.36500 0.60020
0.36600 0.59888
0.36700 0.59757
0.36800 0.59626
0.36900 0.59495
0.37000 0.59365
0.37100 0.59235
0.37200 0.59104
0.37300 0.58975
0.37400 0.58845
0.37500 0.58716
0.37600 0.58586
0.37700 0.58457
0.37800 0.58329
0.37900 0.58200
0.38000 0.58072
0.38100 0.57944
0.38200 0.57816
0.38300 0.57689
0.38400 0.57561
0.38500 0.57434
0.38600 0.57307
0.38700 0.57181
0.38800 0.57054
0.38900 0.56928
0.39000 0.56802
0.39100 0.56676
0.39200 0.56551
0.39300 0.56426
```

```
0.39400 0.56301
0.39500 0.56176
0.39600 0.56051
0.39700 0.55927
0.39800 0.55803
0.39900 0.55679
0.40000 0.55556
0.40100 0.55432
0.40200 0.55309
0.40300 0.55186
0.40400 0.55064
0.40500 0.54941
0.40600 0.54819
0.40700 0.54697
0.40800 0.54576
0.40900 0.54454
0.41000 0.54333
0.41100 0.54212
0.41200 0.54091
0.41300 0.53971
0.41400 0.53851
0.41500 0.53731
0.41600 0.53611
0.41700 0.53492
0.41800 0.53373
0.41900 0.53254
0.42000 0.53135
0.42100 0.53017
0.42200 0.52898
0.42300 0.52780
0.42400 0.52663
0.42500 0.52545
0.42600 0.52428
0.42700 0.52311
0.42800 0.52194
0.42900 0.52078
0.43000 0.51962
0.43100 0.51846
0.43200 0.51730
0.43300 0.51614
0.43400 0.51499
0.43500 0.51384
0.43600 0.51269
0.43700 0.51155
0.43800 0.51041
0.43900 0.50927
0.44000 0.50813
0.44100 0.50700
0.44200 0.50586
0.44300 0.50473
0.44400 0.50361
```

```
0.44500 0.50248
0.44600 0.50136
0.44700 0.50024
0.44800 0.49912
0.44900 0.49801
0.45000 0.49689
0.45100 0.49578
0.45200 0.49468
0.45300 0.49357
0.45400 0.49247
0.45500 0.49137
0.45600 0.49027
0.45700 0.48918
0.45800 0.48809
0.45900 0.48700
0.46000 0.48591
0.46100 0.48482
0.46200 0.48374
0.46300 0.48266
0.46400 0.48158
0.46500 0.48051
0.46600 0.47944
0.46700 0.47837
0.46800 0.47730
0.46900 0.47623
0.47000 0.47517
0.47100 0.47411
0.47200 0.47305
0.47300 0.47200
0.47400 0.47095
0.47500 0.46990
0.47600 0.46885
0.47700 0.46780
0.47800 0.46676
0.47900 0.46572
0.48000 0.46468
0.48100 0.46365
0.48200 0.46262
0.48300 0.46159
0.48400 0.46056
0.48500 0.45953
0.48600 0.45851
0.48700 0.45749
0.48800 0.45647
0.48900 0.45546
0.49000 0.45444
0.49100 0.45343
0.49200 0.45242
0.49300 0.45142
0.49400 0.45041
0.49500 0.44941
```

```
0.49600 0.44841
0.49700 0.44742
0.49800 0.44642
0.49900 0.44543
0.50000 0.44444
0.50100 0.44346
0.50200 0.44247
0.50300 0.44149
0.50400 0.44051
0.50500 0.43954
0.50600 0.43856
0.50700 0.43759
0.50800 0.43662
0.50900 0.43565
0.51000 0.43469
0.51100 0.43373
0.51200 0.43277
0.51300 0.43181
0.51400 0.43085
0.51500 0.42990
0.51600 0.42895
0.51700 0.42800
0.51800 0.42705
0.51900 0.42611
0.52000 0.42517
0.52100 0.42423
0.52200 0.42329
0.52300 0.42236
0.52400 0.42143
0.52500 0.42050
0.52600 0.41957
0.52700 0.41865
0.52800 0.41772
0.52900 0.41680
0.53000 0.41589
0.53100 0.41497
0.53200 0.41406
0.53300 0.41315
0.53400 0.41224
0.53500 0.41133
0.53600 0.41043
0.53700 0.40953
0.53800 0.40863
0.53900 0.40773
0.54000 0.40683
0.54100 0.40594
0.54200 0.40505
0.54300 0.40416
0.54400 0.40328
0.54500 0.40239
0.54600 0.40151
```

```
0.54700 0.40063
0.54800 0.39976
0.54900 0.39888
0.55000 0.39801
0.55100 0.39714
0.55200 0.39627
0.55300 0.39541
0.55400 0.39454
0.55500 0.39368
0.55600 0.39282
0.55700 0.39197
0.55800 0.39111
0.55900 0.39026
0.56000 0.38941
0.56100 0.38856
0.56200 0.38771
0.56300 0.38687
0.56400 0.38603
0.56500 0.38519
0.56600 0.38435
0.56700 0.38352
0.56800 0.38268
0.56900 0.38185
0.57000 0.38102
0.57100 0.38020
0.57200 0.37937
0.57300 0.37855
0.57400 0.37773
0.57500 0.37691
0.57600 0.37610
0.57700 0.37528
0.57800 0.37447
0.57900 0.37366
0.58000 0.37286
0.58100 0.37205
0.58200 0.37125
0.58300 0.37045
0.58400 0.36965
0.58500 0.36885
0.58600 0.36806
0.58700 0.36726
0.58800 0.36647
0.58900 0.36568
0.59000 0.36490
0.59100 0.36411
0.59200 0.36333
0.59300 0.36255
0.59400 0.36177
0.59500 0.36099
0.59600 0.36022
0.59700 0.35945
```

```
0.59800 0.35868
0.59900 0.35791
0.60000 0.35714
0.60100 0.35638
0.60200 0.35562
0.60300 0.35486
0.60400 0.35410
0.60500 0.35334
0.60600 0.35259
0.60700 0.35183
0.60800 0.35108
0.60900 0.35034
0.61000 0.34959
0.61100 0.34884
0.61200 0.34810
0.61300 0.34736
0.61400 0.34662
0.61500 0.34589
0.61600 0.34515
0.61700 0.34442
0.61800 0.34369
0.61900 0.34296
0.62000 0.34223
0.62100 0.34151
0.62200 0.34078
0.62300 0.34006
0.62400 0.33934
0.62500 0.33862
0.62600 0.33791
0.62700 0.33719
0.62800 0.33648
0.62900 0.33577
0.63000 0.33506
0.63100 0.33436
0.63200 0.33365
0.63300 0.33295
0.63400 0.33225
0.63500 0.33155
0.63600 0.33085
0.63700 0.33016
0.63800 0.32947
0.63900 0.32877
0.64000 0.32808
0.64100 0.32740
0.64200 0.32671
0.64300 0.32603
0.64400 0.32534
0.64500 0.32466
0.64600 0.32398
0.64700 0.32331
0.64800 0.32263
```

```
0.64900 0.32196
0.65000 0.32129
0.65100 0.32062
0.65200 0.31995
0.65300 0.31928
0.65400 0.31862
0.65500 0.31795
0.65600 0.31729
0.65700 0.31663
0.65800 0.31597
0.65900 0.31532
0.66000 0.31466
0.66100 0.31401
0.66200 0.31336
0.66300 0.31271
0.66400 0.31206
0.66500 0.31142
0.66600 0.31077
0.66700 0.31013
0.66800 0.30949
0.66900 0.30885
0.67000 0.30821
0.67100 0.30758
0.67200 0.30694
0.67300 0.30631
0.67400 0.30568
0.67500 0.30505
0.67600 0.30443
0.67700 0.30380
0.67800 0.30318
0.67900 0.30255
0.68000 0.30193
0.68100 0.30131
0.68200 0.30070
0.68300 0.30008
0.68400 0.29947
0.68500 0.29885
0.68600 0.29824
0.68700 0.29763
0.68800 0.29702
0.68900 0.29642
0.69000 0.29581
0.69100 0.29521
0.69200 0.29461
0.69300 0.29401
0.69400 0.29341
0.69500 0.29281
0.69600 0.29222
0.69700 0.29163
0.69800 0.29103
0.69900 0.29044
```

```
0.70000 0.28985
0.70100 0.28927
0.70200 0.28868
0.70300 0.28810
0.70400 0.28751
0.70500 0.28693
0.70600 0.28635
0.70700 0.28578
0.70800 0.28520
0.70900 0.28462
0.71000 0.28405
0.71100 0.28348
0.71200 0.28291
0.71300 0.28234
0.71400 0.28177
0.71500 0.28120
0.71600 0.28064
0.71700 0.28008
0.71800 0.27952
0.71900 0.27896
0.72000 0.27840
0.72100 0.27784
0.72200 0.27728
0.72300 0.27673
0.72400 0.27618
0.72500 0.27562
0.72600 0.27507
0.72700 0.27453
0.72800 0.27398
0.72900 0.27343
0.73000 0.27289
0.73100 0.27235
0.73200 0.27180
0.73300 0.27126
0.73400 0.27073
0.73500 0.27019
0.73600 0.26965
0.73700 0.26912
0.73800 0.26858
0.73900 0.26805
0.74000 0.26752
0.74100 0.26699
0.74200 0.26647
0.74300 0.26594
0.74400 0.26542
0.74500 0.26489
0.74600 0.26437
0.74700 0.26385
0.74800 0.26333
0.74900 0.26281
0.75000 0.26230
```

```
0.75100 0.26178
0.75200 0.26127
0.75300 0.26075
0.75400 0.26024
0.75500 0.25973
0.75600 0.25922
0.75700 0.25872
0.75800 0.25821
0.75900 0.25770
0.76000 0.25720
0.76100 0.25670
0.76200 0.25620
0.76300 0.25570
0.76400 0.25520
0.76500 0.25470
0.76600 0.25421
0.76700 0.25371
0.76800 0.25322
0.76900 0.25273
0.77000 0.25224
0.77100 0.25175
0.77200 0.25126
0.77300 0.25077
0.77400 0.25029
0.77500 0.24980
0.77600 0.24932
0.77700 0.24884
0.77800 0.24836
0.77900 0.24788
0.78000 0.24740
0.78100 0.24693
0.78200 0.24645
0.78300 0.24598
0.78400 0.24550
0.78500 0.24503
0.78600 0.24456
0.78700 0.24409
0.78800 0.24362
0.78900 0.24315
0.79000 0.24269
0.79100 0.24222
0.79200 0.24176
0.79300 0.24130
0.79400 0.24084
0.79500 0.24038
0.79600 0.23992
0.79700 0.23946
0.79800 0.23900
0.79900 0.23855
0.80000 0.23810
0.80100 0.23764
```

```
0.80200 0.23719
0.80300 0.23674
0.80400 0.23629
0.80500 0.23584
0.80600 0.23539
0.80700 0.23495
0.80800 0.23450
0.80900 0.23406
0.81000 0.23362
0.81100 0.23318
0.81200 0.23274
0.81300 0.23230
0.81400 0.23186
0.81500 0.23142
0.81600 0.23099
0.81700 0.23055
0.81800 0.23012
0.81900 0.22968
0.82000 0.22925
0.82100 0.22882
0.82200 0.22839
0.82300 0.22796
0.82400 0.22754
0.82500 0.22711
0.82600 0.22669
0.82700 0.22626
0.82800 0.22584
0.82900 0.22542
0.83000 0.22500
0.83100 0.22458
0.83200 0.22416
0.83300 0.22374
0.83400 0.22332
0.83500 0.22291
0.83600 0.22250
0.83700 0.22208
0.83800 0.22167
0.83900 0.22126
0.84000 0.22085
0.84100 0.22044
0.84200 0.22003
0.84300 0.21962
0.84400 0.21922
0.84500 0.21881
0.84600 0.21841
0.84700 0.21801
0.84800 0.21760
0.84900 0.21720
0.85000 0.21680
0.85100 0.21640
0.85200 0.21601
```

```
0.85300 0.21561
0.85400 0.21521
0.85500 0.21482
0.85600 0.21442
0.85700 0.21403
0.85800 0.21364
0.85900 0.21325
0.86000 0.21286
0.86100 0.21247
0.86200 0.21208
0.86300 0.21169
0.86400 0.21131
0.86500 0.21092
0.86600 0.21054
0.86700 0.21015
0.86800 0.20977
0.86900 0.20939
0.87000 0.20901
0.87100 0.20863
0.87200 0.20825
0.87300 0.20787
0.87400 0.20750
0.87500 0.20712
0.87600 0.20674
0.87700 0.20637
0.87800 0.20600
0.87900 0.20563
0.88000 0.20525
0.88100 0.20488
0.88200 0.20451
0.88300 0.20415
0.88400 0.20378
0.88500 0.20341
0.88600 0.20305
0.88700 0.20268
0.88800 0.20232
0.88900 0.20195
0.89000 0.20159
0.89100 0.20123
0.89200 0.20087
0.89300 0.20051
0.89400 0.20015
0.89500 0.19980
0.89600 0.19944
0.89700 0.19908
0.89800 0.19873
0.89900 0.19837
0.90000 0.19802
0.90100 0.19767
0.90200 0.19732
0.90300 0.19696
```

```
0.90400 0.19662
0.90500 0.19627
0.90600 0.19592
0.90700 0.19557
0.90800 0.19522
0.90900 0.19488
0.91000 0.19453
0.91100 0.19419
0.91200 0.19385
0.91300 0.19350
0.91400 0.19316
0.91500 0.19282
0.91600 0.19248
0.91700 0.19214
0.91800 0.19181
0.91900 0.19147
0.92000 0.19113
0.92100 0.19080
0.92200 0.19046
0.92300 0.19013
0.92400 0.18979
0.92500 0.18946
0.92600 0.18913
0.92700 0.18880
0.92800 0.18847
0.92900 0.18814
0.93000 0.18781
0.93100 0.18748
0.93200 0.18716
0.93300 0.18683
0.93400 0.18651
0.93500 0.18618
0.93600 0.18586
0.93700 0.18553
0.93800 0.18521
0.93900 0.18489
0.94000 0.18457
0.94100 0.18425
0.94200 0.18393
0.94300 0.18361
0.94400 0.18330
0.94500 0.18298
0.94600 0.18266
0.94700 0.18235
0.94800 0.18203
0.94900 0.18172
0.95000 0.18141
0.95100 0.18109
0.95200 0.18078
0.95300 0.18047
0.95400 0.18016
```

```
0.95500 0.17985
0.95600 0.17954
0.95700 0.17924
0.95800 0.17893
0.95900 0.17862
0.96000 0.17832
0.96100 0.17801
0.96200 0.17771
0.96300 0.17740
0.96400 0.17710
0.96500 0.17680
0.96600 0.17650
0.96700 0.17620
0.96800 0.17590
0.96900 0.17560
0.97000 0.17530
0.97100 0.17500
0.97200 0.17471
0.97300 0.17441
0.97400 0.17411
0.97500 0.17382
0.97600 0.17352
0.97700 0.17323
0.97800 0.17294
0.97900 0.17265
0.98000 0.17235
0.98100 0.17206
0.98200 0.17177
0.98300 0.17148
0.98400 0.17120
0.98500 0.17091
0.98600 0.17062
0.98700 0.17033
0.98800 0.17005
0.98900 0.16976
0.99000 0.16948
0.99100 0.16919
0.99200 0.16891
0.99300 0.16863
0.99400 0.16835
0.99500 0.16806
0.99600 0.16778
0.99700 0.16750
0.99800 0.16722
0.99900 0.16694
1.00000 0.16667
1.00100 0.16639
1.00200 0.16611
1.00300 0.16584
1.00400 0.16556
1.00500 0.16529
```

```
1.00600 0.16501
1.00700 0.16474
1.00800 0.16446
1.00900 0.16419
1.01000 0.16392
1.01100 0.16365
1.01200 0.16338
1.01300 0.16311
1.01400 0.16284
1.01500 0.16257
1.01600 0.16230
1.01700 0.16203
1.01800 0.16177
1.01900 0.16150
1.02000 0.16124
1.02100 0.16097
1.02200 0.16071
1.02300 0.16044
1.02400 0.16018
1.02500 0.15992
1.02600 0.15965
1.02700 0.15939
1.02800 0.15913
1.02900 0.15887
1.03000 0.15861
1.03100 0.15835
1.03200 0.15809
1.03300 0.15783
1.03400 0.15758
1.03500 0.15732
1.03600 0.15706
1.03700 0.15681
1.03800 0.15655
1.03900 0.15630
1.04000 0.15604
1.04100 0.15579
1.04200 0.15553
1.04300 0.15528
1.04400 0.15503
1.04500 0.15478
1.04600 0.15453
1.04700 0.15428
1.04800 0.15403
1.04900 0.15378
1.05000 0.15353
1.05100 0.15328
1.05200 0.15303
1.05300 0.15278
1.05400 0.15254
1.05500 0.15229
1.05600 0.15205
```

```
1.05700 0.15180
1.05800 0.15155
1.05900 0.15131
1.06000 0.15107
1.06100 0.15082
1.06200 0.15058
1.06300 0.15034
1.06400 0.15010
1.06500 0.14985
1.06600 0.14961
1.06700 0.14937
1.06800 0.14913
1.06900 0.14889
1.07000 0.14865
1.07100 0.14842
1.07200 0.14818
1.07300 0.14794
1.07400 0.14770
1.07500 0.14747
1.07600 0.14723
1.07700 0.14699
1.07800 0.14676
1.07900 0.14652
1.08000 0.14629
1.08100 0.14605
1.08200 0.14582
1.08300 0.14559
1.08400 0.14536
1.08500 0.14512
1.08600 0.14489
1.08700 0.14466
1.08800 0.14443
1.08900 0.14420
1.09000 0.14397
1.09100 0.14374
1.09200 0.14351
1.09300 0.14328
1.09400 0.14305
1.09500 0.14282
1.09600 0.14259
1.09700 0.14237
1.09800 0.14214
1.09900 0.14191
1.10000 0.14169
1.10100 0.14146
1.10200 0.14124
1.10300 0.14101
1.10400 0.14079
1.10500 0.14056
1.10600 0.14034
1.10700 0.14011
```

```
1.10800 0.13989
1.10900 0.13967
1.11000 0.13945
1.11100 0.13922
1.11200 0.13900
1.11300 0.13878
1.11400 0.13856
1.11500 0.13834
1.11600 0.13812
1.11700 0.13790
1.11800 0.13768
1.11900 0.13746
1.12000 0.13724
1.12100 0.13702
1.12200 0.13680
1.12300 0.13659
1.12400 0.13637
1.12500 0.13615
1.12600 0.13593
1.12700 0.13572
1.12800 0.13550
1.12900 0.13528
1.13000 0.13507
1.13100 0.13485
1.13200 0.13464
1.13300 0.13442
1.13400 0.13421
1.13500 0.13399
1.13600 0.13378
1.13700 0.13356
1.13800 0.13335
1.13900 0.13314
1.14000 0.13292
1.14100 0.13271
1.14200 0.13250
1.14300 0.13229
1.14400 0.13208
1.14500 0.13186
1.14600 0.13165
1.14700 0.13144
1.14800 0.13123
1.14900 0.13102
1.15000 0.13081
1.15100 0.13060
1.15200 0.13039
1.15300 0.13018
1.15400 0.12997
1.15500 0.12976
1.15600 0.12955
1.15700 0.12934
1.15800 0.12913
```

```
1.15900 0.12893
1.16000 0.12872
1.16100 0.12851
1.16200 0.12830
1.16300 0.12809
1.16400 0.12789
1.16500 0.12768
1.16600 0.12747
1.16700 0.12727
1.16800 0.12706
1.16900 0.12685
1.17000 0.12665
1.17100 0.12644
1.17200 0.12623
1.17300 0.12603
1.17400 0.12582
1.17500 0.12562
1.17600 0.12541
1.17700 0.12521
1.17800 0.12500
1.17900 0.12480
1.18000 0.12459
1.18100 0.12439
1.18200 0.12418
1.18300 0.12398
1.18400 0.12378
1.18500 0.12357
1.18600 0.12337
1.18700 0.12316
1.18800 0.12296
1.18900 0.12276
1.19000 0.12255
1.19100 0.12235
1.19200 0.12215
1.19300 0.12194
1.19400 0.12174
1.19500 0.12154
1.19600 0.12134
1.19700 0.12113
1.19800 0.12093
1.19900 0.12073
1.20000 0.12053
1.20100 0.12032
1.20200 0.12012
1.20300 0.11992
1.20400 0.11972
1.20500 0.11952
1.20600 0.11931
1.20700 0.11911
1.20800 0.11891
1.20900 0.11871
```

```
1.21000 0.11851
1.21100 0.11831
1.21200 0.11811
1.21300 0.11790
1.21400 0.11770
1.21500 0.11750
1.21600 0.11730
1.21700 0.11710
1.21800 0.11690
1.21900 0.11670
1.22000 0.11649
1.22100 0.11629
1.22200 0.11609
1.22300 0.11589
1.22400 0.11569
1.22500 0.11549
1.22600 0.11529
1.22700 0.11509
1.22800 0.11489
1.22900 0.11468
1.23000 0.11448
1.23100 0.11428
1.23200 0.11408
1.23300 0.11388
1.23400 0.11368
1.23500 0.11348
1.23600 0.11328
1.23700 0.11307
1.23800 0.11287
1.23900 0.11267
1.24000 0.11247
1.24100 0.11227
1.24200 0.11207
1.24300 0.11187
1.24400 0.11166
1.24500 0.11146
1.24600 0.11126
1.24700 0.11106
1.24800 0.11086
1.24900 0.11065
1.25000 0.11045
1.25100 0.11025
1.25200 0.11005
1.25300 0.10985
1.25400 0.10964
1.25500 0.10944
1.25600 0.10924
1.25700 0.10904
1.25800 0.10883
1.25900 0.10863
1.26000 0.10843
```

```
1.26100 0.10822
1.26200 0.10802
1.26300 0.10782
1.26400 0.10761
1.26500 0.10741
1.26600 0.10721
1.26700 0.10700
1.26800 0.10680
1.26900 0.10659
1.27000 0.10639
1.27100 0.10619
1.27200 0.10598
1.27300 0.10578
1.27400 0.10557
1.27500 0.10537
1.27600 0.10516
1.27700 0.10496
1.27800 0.10475
1.27900 0.10454
1.28000 0.10434
1.28100 0.10413
1.28200 0.10393
1.28300 0.10372
1.28400 0.10351
1.28500 0.10331
1.28600 0.10310
1.28700 0.10289
1.28800 0.10268
1.28900 0.10248
1.29000 0.10227
1.29100 0.10206
1.29200 0.10185
1.29300 0.10164
1.29400 0.10143
1.29500 0.10123
1.29600 0.10102
1.29700 0.10081
1.29800 0.10060
1.29900 0.10039
1.30000 0.10018
1.30100 0.09997
1.30200 0.09976
1.30300 0.09954
1.30400 0.09933
1.30500 0.09912
1.30600 0.09891
1.30700 0.09870
1.30800 0.09849
1.30900 0.09827
1.31000 0.09806
1.31100 0.09785
```

```
1.31200 0.09763
1.31300 0.09742
1.31400 0.09721
1.31500 0.09699
1.31600 0.09678
1.31700 0.09656
1.31800 0.09635
1.31900 0.09613
1.32000 0.09591
1.32100 0.09570
1.32200 0.09548
1.32300 0.09527
1.32400 0.09505
1.32500 0.09483
1.32600 0.09461
1.32700 0.09439
1.32800 0.09418
1.32900 0.09396
1.33000 0.09374
1.33100 0.09352
1.33200 0.09330
1.33300 0.09308
1.33400 0.09286
1.33500 0.09264
1.33600 0.09241
1.33700 0.09219
1.33800 0.09197
1.33900 0.09175
1.34000 0.09153
1.34100 0.09130
1.34200 0.09108
1.34300 0.09085
1.34400 0.09063
1.34500 0.09040
1.34600 0.09018
1.34700 0.08995
1.34800 0.08973
1.34900 0.08950
1.35000 0.08927
1.35100 0.08905
1.35200 0.08882
1.35300 0.08859
1.35400 0.08836
1.35500 0.08813
1.35600 0.08790
1.35700 0.08767
1.35800 0.08744
1.35900 0.08721
1.36000 0.08698
1.36100 0.08675
1.36200 0.08651
```

```
1.36300 0.08628
1.36400 0.08605
1.36500 0.08581
1.36600 0.08558
1.36700 0.08535
1.36800 0.08511
1.36900 0.08487
1.37000 0.08464
1.37100 0.08440
1.37200 0.08416
1.37300 0.08393
1.37400 0.08369
1.37500 0.08345
1.37600 0.08321
1.37700 0.08297
1.37800 0.08273
1.37900 0.08249
1.38000 0.08225
1.38100 0.08201
1.38200 0.08176
1.38300 0.08152
1.38400 0.08128
1.38500 0.08103
1.38600 0.08079
1.38700 0.08054
1.38800 0.08030
1.38900 0.08005
1.39000 0.07980
1.39100 0.07956
1.39200 0.07931
1.39300 0.07906
1.39400 0.07881
1.39500 0.07856
1.39600 0.07831
1.39700 0.07806
1.39800 0.07781
1.39900 0.07756
1.40000 0.07730
1.40100 0.07705
1.40200 0.07680
1.40300 0.07654
1.40400 0.07629
1.40500 0.07603
1.40600 0.07577
1.40700 0.07552
1.40800 0.07526
1.40900 0.07500
1.41000 0.07474
1.41100 0.07448
1.41200 0.07422
1.41300 0.07396
```

```
1.41400 0.07370
1.41500 0.07344
1.41600 0.07317
1.41700 0.07291
1.41800 0.07265
1.41900 0.07238
1.42000 0.07211
1.42100 0.07185
1.42200 0.07158
1.42300 0.07131
1.42400 0.07105
1.42500 0.07078
1.42600 0.07051
1.42700 0.07024
1.42800 0.06996
1.42900 0.06969
1.43000 0.06942
1.43100 0.06915
1.43200 0.06887
1.43300 0.06860
1.43400 0.06832
1.43500 0.06805
1.43600 0.06777
1.43700 0.06749
1.43800 0.06721
1.43900 0.06693
1.44000 0.06665
1.44100 0.06637
1.44200 0.06609
1.44300 0.06581
1.44400 0.06553
1.44500 0.06524
1.44600 0.06496
1.44700 0.06467
1.44800 0.06439
1.44900 0.06410
1.45000 0.06381
1.45100 0.06352
1.45200 0.06323
1.45300 0.06294
1.45400 0.06265
1.45500 0.06236
1.45600 0.06207
1.45700 0.06178
1.45800 0.06148
1.45900 0.06119
1.46000 0.06089
1.46100 0.06059
1.46200 0.06030
1.46300 0.06000
1.46400 0.05970
```

```
1.46500 0.05940
1.46600 0.05910
1.46700 0.05880
1.46800 0.05849
1.46900 0.05819
1.47000 0.05789
1.47100 0.05758
1.47200 0.05727
1.47300 0.05697
1.47400 0.05666
1.47500 0.05635
1.47600 0.05604
1.47700 0.05573
1.47800 0.05542
1.47900 0.05511
1.48000 0.05479
1.48100 0.05448
1.48200 0.05417
1.48300 0.05385
1.48400 0.05353
1.48500 0.05321
1.48600 0.05290
1.48700 0.05258
1.48800 0.05226
1.48900 0.05193
1.49000 0.05161
1.49100 0.05129
1.49200 0.05096
1.49300 0.05064
1.49400 0.05031
1.49500 0.04999
1.49600 0.04966
1.49700 0.04933
1.49800 0.04900
1.49900 0.04867
1.50000 0.04834
1.50100 0.04800
1.50200 0.04767
1.50300 0.04733
1.50400 0.04700
1.50500 0.04666
1.50600 0.04632
1.50700 0.04598
1.50800 0.04564
1.50900 0.04530
1.51000 0.04496
1.51100 0.04462
1.51200 0.04427
1.51300 0.04393
1.51400 0.04358
1.51500 0.04323
```

```
1.51600 0.04289
1.51700 0.04254
1.51800 0.04219
1.51900 0.04184
1.52000 0.04148
1.52100 0.04113
1.52200 0.04078
1.52300 0.04042
1.52400 0.04006
1.52500 0.03970
1.52600 0.03935
1.52700 0.03899
1.52800 0.03863
1.52900 0.03826
1.53000 0.03790
1.53100 0.03754
1.53200 0.03717
1.53300 0.03680
1.53400 0.03644
1.53500 0.03607
1.53600 0.03570
1.53700 0.03533
1.53800 0.03495
1.53900 0.03458
1.54000 0.03421
1.54100 0.03383
1.54200 0.03345
1.54300 0.03308
1.54400 0.03270
1.54500 0.03232
1.54600 0.03194
1.54700 0.03155
1.54800 0.03117
1.54900 0.03079
1.55000 0.03040
1.55100 0.03001
1.55200 0.02962
1.55300 0.02923
1.55400 0.02884
1.55500 0.02845
1.55600 0.02806
1.55700 0.02766
1.55800 0.02727
1.55900 0.02687
1.56000 0.02647
1.56100 0.02608
1.56200 0.02567
1.56300 0.02527
1.56400 0.02487
1.56500 0.02447
1.56600 0.02406
```

```
1.56700 0.02365
1.56800 0.02325
1.56900 0.02284
1.57000 0.02243
1.57100 0.02202
1.57200 0.02160
1.57300 0.02119
1.57400 0.02077
1.57500 0.02036
1.57600 0.01994
1.57700 0.01952
1.57800 0.01910
1.57900 0.01868
1.58000 0.01826
1.58100 0.01783
1.58200 0.01741
1.58300 0.01698
1.58400 0.01655
1.58500 0.01612
1.58600 0.01569
1.58700 0.01526
1.58800 0.01482
1.58900 0.01439
1.59000 0.01395
1.59100 0.01352
1.59200 0.01308
1.59300 0.01264
1.59400 0.01220
1.59500 0.01175
1.59600 0.01131
1.59700 0.01086
1.59800 0.01042
1.59900 0.00997
1.60000 0.00952
1.60100 0.00907
1.60200 0.00861
1.60300 0.00816
1.60400 0.00771
1.60500 0.00725
1.60600 0.00679
1.60700 0.00633
1.60800 0.00587
1.60900 0.00541
1.61000 0.00495
1.61100 0.00448
1.61200 0.00401
1.61300 0.00355
1.61400 0.00308
1.61500 0.00261
1.61600 0.00213
1.61700 0.00166
```

```
1.61800  0.00119
1.61900  0.00071
1.62000  0.00023
1.62100  -0.00025
1.62200  -0.00073
1.62300  -0.00121
1.62400  -0.00170
1.62500  -0.00218
1.62600  -0.00267
1.62700  -0.00316
1.62800  -0.00365
1.62900  -0.00414
1.63000  -0.00463
1.63100  -0.00512
1.63200  -0.00562
1.63300  -0.00612
1.63400  -0.00661
1.63500  -0.00712
1.63600  -0.00762
1.63700  -0.00812
1.63800  -0.00862
1.63900  -0.00913
1.64000  -0.00964
1.64100  -0.01015
1.64200  -0.01066
1.64300  -0.01117
1.64400  -0.01169
1.64500  -0.01220
1.64600  -0.01272
1.64700  -0.01324
1.64800  -0.01376
1.64900  -0.01428
1.65000  -0.01480
1.65100  -0.01533
1.65200  -0.01585
1.65300  -0.01638
1.65400  -0.01691
1.65500  -0.01744
1.65600  -0.01798
1.65700  -0.01851
1.65800  -0.01905
1.65900  -0.01958
1.66000  -0.02012
1.66100  -0.02066
1.66200  -0.02121
1.66300  -0.02175
1.66400  -0.02230
1.66500  -0.02284
1.66600  -0.02339
1.66700  -0.02394
1.66800  -0.02450
```

```
1.66900 -0.02505
1.67000 -0.02561
1.67100 -0.02616
1.67200 -0.02672
1.67300 -0.02728
1.67400 -0.02784
1.67500 -0.02841
1.67600 -0.02897
1.67700 -0.02954
1.67800 -0.03011
1.67900 -0.03068
1.68000 -0.03125
1.68100 -0.03183
1.68200 -0.03240
1.68300 -0.03298
1.68400 -0.03356
1.68500 -0.03414
1.68600 -0.03472
1.68700 -0.03531
1.68800 -0.03589
1.68900 -0.03648
1.69000 -0.03707
1.69100 -0.03766
1.69200 -0.03826
1.69300 -0.03885
1.69400 -0.03945
1.69500 -0.04005
1.69600 -0.04065
1.69700 -0.04125
1.69800 -0.04185
1.69900 -0.04246
1.70000 -0.04306
1.70100 -0.04367
1.70200 -0.04428
1.70300 -0.04490
1.70400 -0.04551
1.70500 -0.04613
1.70600 -0.04674
1.70700 -0.04736
1.70800 -0.04799
1.70900 -0.04861
1.71000 -0.04923
1.71100 -0.04986
1.71200 -0.05049
1.71300 -0.05112
1.71400 -0.05175
1.71500 -0.05239
1.71600 -0.05302
1.71700 -0.05366
1.71800 -0.05430
1.71900 -0.05494
```

```
1.72000 -0.05559
1.72100 -0.05623
1.72200 -0.05688
1.72300 -0.05753
1.72400 -0.05818
1.72500 -0.05883
1.72600 -0.05949
1.72700 -0.06015
1.72800 -0.06080
1.72900 -0.06146
1.73000 -0.06213
1.73100 -0.06279
1.73200 -0.06346
1.73300 -0.06413
1.73400 -0.06480
1.73500 -0.06547
1.73600 -0.06614
1.73700 -0.06682
1.73800 -0.06750
1.73900 -0.06817
1.74000 -0.06886
1.74100 -0.06954
1.74200 -0.07023
1.74300 -0.07091
1.74400 -0.07160
1.74500 -0.07229
1.74600 -0.07299
1.74700 -0.07368
1.74800 -0.07438
1.74900 -0.07508
1.75000 -0.07578
1.75100 -0.07648
1.75200 -0.07719
1.75300 -0.07790
1.75400 -0.07861
1.75500 -0.07932
1.75600 -0.08003
1.75700 -0.08075
1.75800 -0.08146
1.75900 -0.08218
1.76000 -0.08290
1.76100 -0.08363
1.76200 -0.08435
1.76300 -0.08508
1.76400 -0.08581
1.76500 -0.08654
1.76600 -0.08728
1.76700 -0.08801
1.76800 -0.08875
1.76900 -0.08949
1.77000 -0.09023
```

```
1.77100  -0.09098
1.77200  -0.09172
1.77300  -0.09247
1.77400  -0.09322
1.77500  -0.09397
1.77600  -0.09473
1.77700  -0.09548
1.77800  -0.09624
1.77900  -0.09700
1.78000  -0.09777
1.78100  -0.09853
1.78200  -0.09930
1.78300  -0.10007
1.78400  -0.10084
1.78500  -0.10161
1.78600  -0.10239
1.78700  -0.10317
1.78800  -0.10395
1.78900  -0.10473
1.79000  -0.10551
1.79100  -0.10630
1.79200  -0.10709
1.79300  -0.10788
1.79400  -0.10867
1.79500  -0.10947
1.79600  -0.11026
1.79700  -0.11106
1.79800  -0.11186
1.79900  -0.11267
1.80000  -0.11347
1.80100  -0.11428
1.80200  -0.11509
1.80300  -0.11591
1.80400  -0.11672
1.80500  -0.11754
1.80600  -0.11836
1.80700  -0.11918
1.80800  -0.12000
1.80900  -0.12083
1.81000  -0.12166
1.81100  -0.12249
1.81200  -0.12332
1.81300  -0.12415
1.81400  -0.12499
1.81500  -0.12583
1.81600  -0.12667
1.81700  -0.12752
1.81800  -0.12836
1.81900  -0.12921
1.82000  -0.13006
1.82100  -0.13092
```

```
1.82200  -0.13177
1.82300  -0.13263
1.82400  -0.13349
1.82500  -0.13435
1.82600  -0.13522
1.82700  -0.13608
1.82800  -0.13695
1.82900  -0.13782
1.83000  -0.13870
1.83100  -0.13958
1.83200  -0.14045
1.83300  -0.14133
1.83400  -0.14222
1.83500  -0.14310
1.83600  -0.14399
1.83700  -0.14488
1.83800  -0.14577
1.83900  -0.14667
1.84000  -0.14757
1.84100  -0.14847
1.84200  -0.14937
1.84300  -0.15027
1.84400  -0.15118
1.84500  -0.15209
1.84600  -0.15300
1.84700  -0.15392
1.84800  -0.15483
1.84900  -0.15575
1.85000  -0.15667
1.85100  -0.15760
1.85200  -0.15852
1.85300  -0.15945
1.85400  -0.16038
1.85500  -0.16132
1.85600  -0.16225
1.85700  -0.16319
1.85800  -0.16413
1.85900  -0.16508
1.86000  -0.16602
1.86100  -0.16697
1.86200  -0.16792
1.86300  -0.16887
1.86400  -0.16983
1.86500  -0.17079
1.86600  -0.17175
1.86700  -0.17271
1.86800  -0.17368
1.86900  -0.17464
1.87000  -0.17562
1.87100  -0.17659
1.87200  -0.17756
```

```
1.87300  -0.17854
1.87400  -0.17952
1.87500  -0.18051
1.87600  -0.18149
1.87700  -0.18248
1.87800  -0.18347
1.87900  -0.18446
1.88000  -0.18546
1.88100  -0.18646
1.88200  -0.18746
1.88300  -0.18846
1.88400  -0.18947
1.88500  -0.19048
1.88600  -0.19149
1.88700  -0.19250
1.88800  -0.19352
1.88900  -0.19454
1.89000  -0.19556
1.89100  -0.19658
1.89200  -0.19761
1.89300  -0.19864
1.89400  -0.19967
1.89500  -0.20071
1.89600  -0.20174
1.89700  -0.20278
1.89800  -0.20383
1.89900  -0.20487
1.90000  -0.20592
1.90100  -0.20697
1.90200  -0.20802
1.90300  -0.20908
1.90400  -0.21014
1.90500  -0.21120
1.90600  -0.21226
1.90700  -0.21333
1.90800  -0.21440
1.90900  -0.21547
1.91000  -0.21654
1.91100  -0.21762
1.91200  -0.21870
1.91300  -0.21978
1.91400  -0.22087
1.91500  -0.22195
1.91600  -0.22304
1.91700  -0.22414
1.91800  -0.22523
1.91900  -0.22633
1.92000  -0.22743
1.92100  -0.22854
1.92200  -0.22964
1.92300  -0.23075
```

```
1.92400  -0.23186
1.92500  -0.23298
1.92600  -0.23410
1.92700  -0.23522
1.92800  -0.23634
1.92900  -0.23747
1.93000  -0.23860
1.93100  -0.23973
1.93200  -0.24086
1.93300  -0.24200
1.93400  -0.24314
1.93500  -0.24428
1.93600  -0.24543
1.93700  -0.24658
1.93800  -0.24773
1.93900  -0.24888
1.94000  -0.25004
1.94100  -0.25120
1.94200  -0.25236
1.94300  -0.25352
1.94400  -0.25469
1.94500  -0.25586
1.94600  -0.25704
1.94700  -0.25821
1.94800  -0.25939
1.94900  -0.26057
1.95000  -0.26176
1.95100  -0.26295
1.95200  -0.26414
1.95300  -0.26533
1.95400  -0.26653
1.95500  -0.26773
1.95600  -0.26893
1.95700  -0.27013
1.95800  -0.27134
1.95900  -0.27255
1.96000  -0.27377
1.96100  -0.27498
1.96200  -0.27620
1.96300  -0.27743
1.96400  -0.27865
1.96500  -0.27988
1.96600  -0.28111
1.96700  -0.28235
1.96800  -0.28358
1.96900  -0.28482
1.97000  -0.28607
1.97100  -0.28731
1.97200  -0.28856
1.97300  -0.28981
1.97400  -0.29107
```

```
1.97500 -0.29233
1.97600 -0.29359
1.97700 -0.29485
1.97800 -0.29612
1.97900 -0.29739
1.98000 -0.29866
1.98100 -0.29994
1.98200 -0.30122
1.98300 -0.30250
1.98400 -0.30378
1.98500 -0.30507
1.98600 -0.30636
1.98700 -0.30765
1.98800 -0.30895
1.98900 -0.31025
1.99000 -0.31155
1.99100 -0.31286
1.99200 -0.31417
1.99300 -0.31548
1.99400 -0.31680
1.99500 -0.31812
1.99600 -0.31944
1.99700 -0.32076
1.99800 -0.32209
1.99900 -0.32342
2.00000 -0.32475
```