

INPUT IN THE EDITOR

```
commandwindow
clear
clc
close all
syms t
Q = 0.25*sin(25*3.142*t)
V = 0.5*cos(0.2*3.142*t)
tn = [0:0.0001:0.35]
I = diff(Q)
In = subs(I,tn)
figure (1)
plot(tn,In)
xlabel ('time(sec)')
ylabel ('Variable')
axis tight
grid on
grid minor
P = I*V
Pn = subs(P,tn)
figure (2)
plot (tn,Pn)
xlabel ('time (sec)')
ylabel ('variable')
axis tight
grid on
grid minor
figure (3)
plot (tn,In,tn,Pn)
xlabel ('time (sec)')
ylabel ('variable')
grid on
grid minor
legend ('Current (A)', 'Power (w)')
```

OUTPUT IN THE COMMAND WINDOW

Q =

$\sin((1571*t)/20)/4$

V =

$\cos((1571*t)/2500)/2$

tn =

Columns 1 through 5

0	0.0001	0.0002	0.0003	0.0004
Columns 6 through 10				
0.0005	0.0006	0.0007	0.0008	0.0009
Columns 11 through 15				
0.0010	0.0011	0.0012	0.0013	0.0014
Columns 16 through 20				
0.0015	0.0016	0.0017	0.0018	0.0019
Columns 21 through 25				
0.0020	0.0021	0.0022	0.0023	0.0024
Columns 26 through 30				
0.0025	0.0026	0.0027	0.0028	0.0029
Columns 31 through 35				
0.0030	0.0031	0.0032	0.0033	0.0034
Columns 36 through 40				
0.0035	0.0036	0.0037	0.0038	0.0039
Columns 41 through 45				
0.0040	0.0041	0.0042	0.0043	0.0044
Columns 46 through 50				
0.0045	0.0046	0.0047	0.0048	0.0049
Columns 51 through 55				
0.0050	0.0051	0.0052	0.0053	0.0054
Columns 56 through 60				
0.0055	0.0056	0.0057	0.0058	0.0059

Columns 61 through 65

0.0060	0.0061	0.0062	0.0063	0.0064
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Columns 66 through 70

0.0065	0.0066	0.0067	0.0068	0.0069
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Columns 71 through 75

0.0070	0.0071	0.0072	0.0073	0.0074
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Columns 76 through 80

0.0075	0.0076	0.0077	0.0078	0.0079
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Columns 81 through 85

0.0080	0.0081	0.0082	0.0083	0.0084
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Columns 86 through 90

0.0085	0.0086	0.0087	0.0088	0.0089
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Columns 91 through 95

0.0090	0.0091	0.0092	0.0093	0.0094
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Columns 96 through 100

0.0095	0.0096	0.0097	0.0098	0.0099
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Columns 101 through 105

0.0100	0.0101	0.0102	0.0103	0.0104
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Columns 106 through 110

0.0105	0.0106	0.0107	0.0108	0.0109
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Columns 111 through 115

0.0110	0.0111	0.0112	0.0113	0.0114
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Columns 116 through 120

0.0115	0.0116	0.0117	0.0118	0.0119
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Columns 121 through 125

0.0120	0.0121	0.0122	0.0123	0.0124
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Columns 126 through 130

0.0125	0.0126	0.0127	0.0128	0.0129
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Columns 131 through 135

0.0130	0.0131	0.0132	0.0133	0.0134
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Columns 136 through 140

0.0135	0.0136	0.0137	0.0138	0.0139
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Columns 141 through 145

0.0140	0.0141	0.0142	0.0143	0.0144
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Columns 146 through 150

0.0145	0.0146	0.0147	0.0148	0.0149
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Columns 151 through 155

0.0150	0.0151	0.0152	0.0153	0.0154
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Columns 156 through 160

0.0155	0.0156	0.0157	0.0158	0.0159
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Columns 161 through 165

0.0160	0.0161	0.0162	0.0163	0.0164
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Columns 166 through 170

0.0165	0.0166	0.0167	0.0168	0.0169
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Columns 171 through 175

0.0170	0.0171	0.0172	0.0173	0.0174
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Columns 176 through 180

0.0175	0.0176	0.0177	0.0178	0.0179
Columns 181 through 185				
0.0180	0.0181	0.0182	0.0183	0.0184
Columns 186 through 190				
0.0185	0.0186	0.0187	0.0188	0.0189
Columns 191 through 195				
0.0190	0.0191	0.0192	0.0193	0.0194
Columns 196 through 200				
0.0195	0.0196	0.0197	0.0198	0.0199
Columns 201 through 205				
0.0200	0.0201	0.0202	0.0203	0.0204
Columns 206 through 210				
0.0205	0.0206	0.0207	0.0208	0.0209
Columns 211 through 215				
0.0210	0.0211	0.0212	0.0213	0.0214
Columns 216 through 220				
0.0215	0.0216	0.0217	0.0218	0.0219
Columns 221 through 225				
0.0220	0.0221	0.0222	0.0223	0.0224
Columns 226 through 230				
0.0225	0.0226	0.0227	0.0228	0.0229
Columns 231 through 235				
0.0230	0.0231	0.0232	0.0233	0.0234
Columns 236 through 240				

0.0235	0.0236	0.0237	0.0238	0.0239
Columns 241 through 245				
0.0240	0.0241	0.0242	0.0243	0.0244
Columns 246 through 250				
0.0245	0.0246	0.0247	0.0248	0.0249
Columns 251 through 255				
0.0250	0.0251	0.0252	0.0253	0.0254
Columns 256 through 260				
0.0255	0.0256	0.0257	0.0258	0.0259
Columns 261 through 265				
0.0260	0.0261	0.0262	0.0263	0.0264
Columns 266 through 270				
0.0265	0.0266	0.0267	0.0268	0.0269
Columns 271 through 275				
0.0270	0.0271	0.0272	0.0273	0.0274
Columns 276 through 280				
0.0275	0.0276	0.0277	0.0278	0.0279
Columns 281 through 285				
0.0280	0.0281	0.0282	0.0283	0.0284
Columns 286 through 290				
0.0285	0.0286	0.0287	0.0288	0.0289
Columns 291 through 295				
0.0290	0.0291	0.0292	0.0293	0.0294

Columns 296 through 300

0.0295	0.0296	0.0297	0.0298	0.0299
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Columns 301 through 305

0.0300	0.0301	0.0302	0.0303	0.0304
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Columns 306 through 310

0.0305	0.0306	0.0307	0.0308	0.0309
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Columns 311 through 315

0.0310	0.0311	0.0312	0.0313	0.0314
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Columns 316 through 320

0.0315	0.0316	0.0317	0.0318	0.0319
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Columns 321 through 325

0.0320	0.0321	0.0322	0.0323	0.0324
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Columns 326 through 330

0.0325	0.0326	0.0327	0.0328	0.0329
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Columns 331 through 335

0.0330	0.0331	0.0332	0.0333	0.0334
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Columns 336 through 340

0.0335	0.0336	0.0337	0.0338	0.0339
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Columns 341 through 345

0.0340	0.0341	0.0342	0.0343	0.0344
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Columns 346 through 350

0.0345	0.0346	0.0347	0.0348	0.0349
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Columns 351 through 355

0.0350	0.0351	0.0352	0.0353	0.0354
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Columns 356 through 360

0.0355	0.0356	0.0357	0.0358	0.0359
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Columns 361 through 365

0.0360	0.0361	0.0362	0.0363	0.0364
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Columns 366 through 370

0.0365	0.0366	0.0367	0.0368	0.0369
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Columns 371 through 375

0.0370	0.0371	0.0372	0.0373	0.0374
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Columns 376 through 380

0.0375	0.0376	0.0377	0.0378	0.0379
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Columns 381 through 385

0.0380	0.0381	0.0382	0.0383	0.0384
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Columns 386 through 390

0.0385	0.0386	0.0387	0.0388	0.0389
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Columns 391 through 395

0.0390	0.0391	0.0392	0.0393	0.0394
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Columns 396 through 400

0.0395	0.0396	0.0397	0.0398	0.0399
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Columns 401 through 405

0.0400	0.0401	0.0402	0.0403	0.0404
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Columns 406 through 410

0.0405	0.0406	0.0407	0.0408	0.0409
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Columns 411 through 415

0.0410	0.0411	0.0412	0.0413	0.0414
Columns 416 through 420				
0.0415	0.0416	0.0417	0.0418	0.0419
Columns 421 through 425				
0.0420	0.0421	0.0422	0.0423	0.0424
Columns 426 through 430				
0.0425	0.0426	0.0427	0.0428	0.0429
Columns 431 through 435				
0.0430	0.0431	0.0432	0.0433	0.0434
Columns 436 through 440				
0.0435	0.0436	0.0437	0.0438	0.0439
Columns 441 through 445				
0.0440	0.0441	0.0442	0.0443	0.0444
Columns 446 through 450				
0.0445	0.0446	0.0447	0.0448	0.0449
Columns 451 through 455				
0.0450	0.0451	0.0452	0.0453	0.0454
Columns 456 through 460				
0.0455	0.0456	0.0457	0.0458	0.0459
Columns 461 through 465				
0.0460	0.0461	0.0462	0.0463	0.0464
Columns 466 through 470				
0.0465	0.0466	0.0467	0.0468	0.0469
Columns 471 through 475				

0.0470	0.0471	0.0472	0.0473	0.0474
Columns 476 through 480				
0.0475	0.0476	0.0477	0.0478	0.0479
Columns 481 through 485				
0.0480	0.0481	0.0482	0.0483	0.0484
Columns 486 through 490				
0.0485	0.0486	0.0487	0.0488	0.0489
Columns 491 through 495				
0.0490	0.0491	0.0492	0.0493	0.0494
Columns 496 through 500				
0.0495	0.0496	0.0497	0.0498	0.0499
Columns 501 through 505				
0.0500	0.0501	0.0502	0.0503	0.0504
Columns 506 through 510				
0.0505	0.0506	0.0507	0.0508	0.0509
Columns 511 through 515				
0.0510	0.0511	0.0512	0.0513	0.0514
Columns 516 through 520				
0.0515	0.0516	0.0517	0.0518	0.0519
Columns 521 through 525				
0.0520	0.0521	0.0522	0.0523	0.0524
Columns 526 through 530				
0.0525	0.0526	0.0527	0.0528	0.0529

Columns 531 through 535

0.0530	0.0531	0.0532	0.0533	0.0534
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Columns 536 through 540

0.0535	0.0536	0.0537	0.0538	0.0539
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Columns 541 through 545

0.0540	0.0541	0.0542	0.0543	0.0544
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Columns 546 through 550

0.0545	0.0546	0.0547	0.0548	0.0549
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Columns 551 through 555

0.0550	0.0551	0.0552	0.0553	0.0554
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Columns 556 through 560

0.0555	0.0556	0.0557	0.0558	0.0559
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Columns 561 through 565

0.0560	0.0561	0.0562	0.0563	0.0564
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Columns 566 through 570

0.0565	0.0566	0.0567	0.0568	0.0569
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Columns 571 through 575

0.0570	0.0571	0.0572	0.0573	0.0574
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Columns 576 through 580

0.0575	0.0576	0.0577	0.0578	0.0579
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Columns 581 through 585

0.0580	0.0581	0.0582	0.0583	0.0584
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Columns 586 through 590

0.0585	0.0586	0.0587	0.0588	0.0589
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Columns 591 through 595

0.0590	0.0591	0.0592	0.0593	0.0594
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Columns 596 through 600

0.0595	0.0596	0.0597	0.0598	0.0599
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Columns 601 through 605

0.0600	0.0601	0.0602	0.0603	0.0604
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Columns 606 through 610

0.0605	0.0606	0.0607	0.0608	0.0609
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Columns 611 through 615

0.0610	0.0611	0.0612	0.0613	0.0614
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Columns 616 through 620

0.0615	0.0616	0.0617	0.0618	0.0619
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Columns 621 through 625

0.0620	0.0621	0.0622	0.0623	0.0624
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Columns 626 through 630

0.0625	0.0626	0.0627	0.0628	0.0629
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Columns 631 through 635

0.0630	0.0631	0.0632	0.0633	0.0634
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Columns 636 through 640

0.0635	0.0636	0.0637	0.0638	0.0639
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Columns 641 through 645

0.0640	0.0641	0.0642	0.0643	0.0644
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Columns 646 through 650

0.0645	0.0646	0.0647	0.0648	0.0649
Columns 651 through 655				
0.0650	0.0651	0.0652	0.0653	0.0654
Columns 656 through 660				
0.0655	0.0656	0.0657	0.0658	0.0659
Columns 661 through 665				
0.0660	0.0661	0.0662	0.0663	0.0664
Columns 666 through 670				
0.0665	0.0666	0.0667	0.0668	0.0669
Columns 671 through 675				
0.0670	0.0671	0.0672	0.0673	0.0674
Columns 676 through 680				
0.0675	0.0676	0.0677	0.0678	0.0679
Columns 681 through 685				
0.0680	0.0681	0.0682	0.0683	0.0684
Columns 686 through 690				
0.0685	0.0686	0.0687	0.0688	0.0689
Columns 691 through 695				
0.0690	0.0691	0.0692	0.0693	0.0694
Columns 696 through 700				
0.0695	0.0696	0.0697	0.0698	0.0699
Columns 701 through 705				
0.0700	0.0701	0.0702	0.0703	0.0704
Columns 706 through 710				

0.0705	0.0706	0.0707	0.0708	0.0709
Columns 711 through 715				
0.0710	0.0711	0.0712	0.0713	0.0714
Columns 716 through 720				
0.0715	0.0716	0.0717	0.0718	0.0719
Columns 721 through 725				
0.0720	0.0721	0.0722	0.0723	0.0724
Columns 726 through 730				
0.0725	0.0726	0.0727	0.0728	0.0729
Columns 731 through 735				
0.0730	0.0731	0.0732	0.0733	0.0734
Columns 736 through 740				
0.0735	0.0736	0.0737	0.0738	0.0739
Columns 741 through 745				
0.0740	0.0741	0.0742	0.0743	0.0744
Columns 746 through 750				
0.0745	0.0746	0.0747	0.0748	0.0749
Columns 751 through 755				
0.0750	0.0751	0.0752	0.0753	0.0754
Columns 756 through 760				
0.0755	0.0756	0.0757	0.0758	0.0759
Columns 761 through 765				
0.0760	0.0761	0.0762	0.0763	0.0764

Columns 766 through 770

0.0765	0.0766	0.0767	0.0768	0.0769
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Columns 771 through 775

0.0770	0.0771	0.0772	0.0773	0.0774
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Columns 776 through 780

0.0775	0.0776	0.0777	0.0778	0.0779
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Columns 781 through 785

0.0780	0.0781	0.0782	0.0783	0.0784
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Columns 786 through 790

0.0785	0.0786	0.0787	0.0788	0.0789
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Columns 791 through 795

0.0790	0.0791	0.0792	0.0793	0.0794
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Columns 796 through 800

0.0795	0.0796	0.0797	0.0798	0.0799
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Columns 801 through 805

0.0800	0.0801	0.0802	0.0803	0.0804
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Columns 806 through 810

0.0805	0.0806	0.0807	0.0808	0.0809
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Columns 811 through 815

0.0810	0.0811	0.0812	0.0813	0.0814
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Columns 816 through 820

0.0815	0.0816	0.0817	0.0818	0.0819
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Columns 821 through 825

0.0820	0.0821	0.0822	0.0823	0.0824
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Columns 826 through 830

0.0825	0.0826	0.0827	0.0828	0.0829
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Columns 831 through 835

0.0830	0.0831	0.0832	0.0833	0.0834
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Columns 836 through 840

0.0835	0.0836	0.0837	0.0838	0.0839
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Columns 841 through 845

0.0840	0.0841	0.0842	0.0843	0.0844
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Columns 846 through 850

0.0845	0.0846	0.0847	0.0848	0.0849
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Columns 851 through 855

0.0850	0.0851	0.0852	0.0853	0.0854
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Columns 856 through 860

0.0855	0.0856	0.0857	0.0858	0.0859
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Columns 861 through 865

0.0860	0.0861	0.0862	0.0863	0.0864
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Columns 866 through 870

0.0865	0.0866	0.0867	0.0868	0.0869
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Columns 871 through 875

0.0870	0.0871	0.0872	0.0873	0.0874
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Columns 876 through 880

0.0875	0.0876	0.0877	0.0878	0.0879
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Columns 881 through 885

0.0880	0.0881	0.0882	0.0883	0.0884
Columns 886 through 890				
0.0885	0.0886	0.0887	0.0888	0.0889
Columns 891 through 895				
0.0890	0.0891	0.0892	0.0893	0.0894
Columns 896 through 900				
0.0895	0.0896	0.0897	0.0898	0.0899
Columns 901 through 905				
0.0900	0.0901	0.0902	0.0903	0.0904
Columns 906 through 910				
0.0905	0.0906	0.0907	0.0908	0.0909
Columns 911 through 915				
0.0910	0.0911	0.0912	0.0913	0.0914
Columns 916 through 920				
0.0915	0.0916	0.0917	0.0918	0.0919
Columns 921 through 925				
0.0920	0.0921	0.0922	0.0923	0.0924
Columns 926 through 930				
0.0925	0.0926	0.0927	0.0928	0.0929
Columns 931 through 935				
0.0930	0.0931	0.0932	0.0933	0.0934
Columns 936 through 940				
0.0935	0.0936	0.0937	0.0938	0.0939
Columns 941 through 945				

0.0940	0.0941	0.0942	0.0943	0.0944
Columns 946 through 950				
0.0945	0.0946	0.0947	0.0948	0.0949
Columns 951 through 955				
0.0950	0.0951	0.0952	0.0953	0.0954
Columns 956 through 960				
0.0955	0.0956	0.0957	0.0958	0.0959
Columns 961 through 965				
0.0960	0.0961	0.0962	0.0963	0.0964
Columns 966 through 970				
0.0965	0.0966	0.0967	0.0968	0.0969
Columns 971 through 975				
0.0970	0.0971	0.0972	0.0973	0.0974
Columns 976 through 980				
0.0975	0.0976	0.0977	0.0978	0.0979
Columns 981 through 985				
0.0980	0.0981	0.0982	0.0983	0.0984
Columns 986 through 990				
0.0985	0.0986	0.0987	0.0988	0.0989
Columns 991 through 995				
0.0990	0.0991	0.0992	0.0993	0.0994
Columns 996 through 1000				
0.0995	0.0996	0.0997	0.0998	0.0999

Columns 1001 through 1005

0.1000	0.1001	0.1002	0.1003	0.1004
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Columns 1006 through 1010

0.1005	0.1006	0.1007	0.1008	0.1009
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Columns 1011 through 1015

0.1010	0.1011	0.1012	0.1013	0.1014
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Columns 1016 through 1020

0.1015	0.1016	0.1017	0.1018	0.1019
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Columns 1021 through 1025

0.1020	0.1021	0.1022	0.1023	0.1024
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Columns 1026 through 1030

0.1025	0.1026	0.1027	0.1028	0.1029
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Columns 1031 through 1035

0.1030	0.1031	0.1032	0.1033	0.1034
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Columns 1036 through 1040

0.1035	0.1036	0.1037	0.1038	0.1039
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Columns 1041 through 1045

0.1040	0.1041	0.1042	0.1043	0.1044
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Columns 1046 through 1050

0.1045	0.1046	0.1047	0.1048	0.1049
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Columns 1051 through 1055

0.1050	0.1051	0.1052	0.1053	0.1054
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Columns 1056 through 1060

0.1055	0.1056	0.1057	0.1058	0.1059
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Columns 1061 through 1065

0.1060	0.1061	0.1062	0.1063	0.1064
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Columns 1066 through 1070

0.1065	0.1066	0.1067	0.1068	0.1069
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Columns 1071 through 1075

0.1070	0.1071	0.1072	0.1073	0.1074
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Columns 1076 through 1080

0.1075	0.1076	0.1077	0.1078	0.1079
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Columns 1081 through 1085

0.1080	0.1081	0.1082	0.1083	0.1084
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Columns 1086 through 1090

0.1085	0.1086	0.1087	0.1088	0.1089
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Columns 1091 through 1095

0.1090	0.1091	0.1092	0.1093	0.1094
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Columns 1096 through 1100

0.1095	0.1096	0.1097	0.1098	0.1099
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Columns 1101 through 1105

0.1100	0.1101	0.1102	0.1103	0.1104
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Columns 1106 through 1110

0.1105	0.1106	0.1107	0.1108	0.1109
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Columns 1111 through 1115

0.1110	0.1111	0.1112	0.1113	0.1114
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Columns 1116 through 1120

0.1115	0.1116	0.1117	0.1118	0.1119
Columns 1121 through 1125				
0.1120	0.1121	0.1122	0.1123	0.1124
Columns 1126 through 1130				
0.1125	0.1126	0.1127	0.1128	0.1129
Columns 1131 through 1135				
0.1130	0.1131	0.1132	0.1133	0.1134
Columns 1136 through 1140				
0.1135	0.1136	0.1137	0.1138	0.1139
Columns 1141 through 1145				
0.1140	0.1141	0.1142	0.1143	0.1144
Columns 1146 through 1150				
0.1145	0.1146	0.1147	0.1148	0.1149
Columns 1151 through 1155				
0.1150	0.1151	0.1152	0.1153	0.1154
Columns 1156 through 1160				
0.1155	0.1156	0.1157	0.1158	0.1159
Columns 1161 through 1165				
0.1160	0.1161	0.1162	0.1163	0.1164
Columns 1166 through 1170				
0.1165	0.1166	0.1167	0.1168	0.1169
Columns 1171 through 1175				
0.1170	0.1171	0.1172	0.1173	0.1174
Columns 1176 through 1180				

0.1175	0.1176	0.1177	0.1178	0.1179
Columns 1181 through 1185				
0.1180	0.1181	0.1182	0.1183	0.1184
Columns 1186 through 1190				
0.1185	0.1186	0.1187	0.1188	0.1189
Columns 1191 through 1195				
0.1190	0.1191	0.1192	0.1193	0.1194
Columns 1196 through 1200				
0.1195	0.1196	0.1197	0.1198	0.1199
Columns 1201 through 1205				
0.1200	0.1201	0.1202	0.1203	0.1204
Columns 1206 through 1210				
0.1205	0.1206	0.1207	0.1208	0.1209
Columns 1211 through 1215				
0.1210	0.1211	0.1212	0.1213	0.1214
Columns 1216 through 1220				
0.1215	0.1216	0.1217	0.1218	0.1219
Columns 1221 through 1225				
0.1220	0.1221	0.1222	0.1223	0.1224
Columns 1226 through 1230				
0.1225	0.1226	0.1227	0.1228	0.1229
Columns 1231 through 1235				
0.1230	0.1231	0.1232	0.1233	0.1234

Columns 1236 through 1240

0.1235	0.1236	0.1237	0.1238	0.1239
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Columns 1241 through 1245

0.1240	0.1241	0.1242	0.1243	0.1244
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Columns 1246 through 1250

0.1245	0.1246	0.1247	0.1248	0.1249
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Columns 1251 through 1255

0.1250	0.1251	0.1252	0.1253	0.1254
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Columns 1256 through 1260

0.1255	0.1256	0.1257	0.1258	0.1259
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Columns 1261 through 1265

0.1260	0.1261	0.1262	0.1263	0.1264
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Columns 1266 through 1270

0.1265	0.1266	0.1267	0.1268	0.1269
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Columns 1271 through 1275

0.1270	0.1271	0.1272	0.1273	0.1274
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Columns 1276 through 1280

0.1275	0.1276	0.1277	0.1278	0.1279
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Columns 1281 through 1285

0.1280	0.1281	0.1282	0.1283	0.1284
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Columns 1286 through 1290

0.1285	0.1286	0.1287	0.1288	0.1289
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Columns 1291 through 1295

0.1290	0.1291	0.1292	0.1293	0.1294
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Columns 1296 through 1300

0.1295	0.1296	0.1297	0.1298	0.1299
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Columns 1301 through 1305

0.1300	0.1301	0.1302	0.1303	0.1304
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Columns 1306 through 1310

0.1305	0.1306	0.1307	0.1308	0.1309
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Columns 1311 through 1315

0.1310	0.1311	0.1312	0.1313	0.1314
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Columns 1316 through 1320

0.1315	0.1316	0.1317	0.1318	0.1319
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Columns 1321 through 1325

0.1320	0.1321	0.1322	0.1323	0.1324
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Columns 1326 through 1330

0.1325	0.1326	0.1327	0.1328	0.1329
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Columns 1331 through 1335

0.1330	0.1331	0.1332	0.1333	0.1334
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Columns 1336 through 1340

0.1335	0.1336	0.1337	0.1338	0.1339
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Columns 1341 through 1345

0.1340	0.1341	0.1342	0.1343	0.1344
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Columns 1346 through 1350

0.1345	0.1346	0.1347	0.1348	0.1349
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Columns 1351 through 1355

0.1350	0.1351	0.1352	0.1353	0.1354
Columns 1356 through 1360				
0.1355	0.1356	0.1357	0.1358	0.1359
Columns 1361 through 1365				
0.1360	0.1361	0.1362	0.1363	0.1364
Columns 1366 through 1370				
0.1365	0.1366	0.1367	0.1368	0.1369
Columns 1371 through 1375				
0.1370	0.1371	0.1372	0.1373	0.1374
Columns 1376 through 1380				
0.1375	0.1376	0.1377	0.1378	0.1379
Columns 1381 through 1385				
0.1380	0.1381	0.1382	0.1383	0.1384
Columns 1386 through 1390				
0.1385	0.1386	0.1387	0.1388	0.1389
Columns 1391 through 1395				
0.1390	0.1391	0.1392	0.1393	0.1394
Columns 1396 through 1400				
0.1395	0.1396	0.1397	0.1398	0.1399
Columns 1401 through 1405				
0.1400	0.1401	0.1402	0.1403	0.1404
Columns 1406 through 1410				
0.1405	0.1406	0.1407	0.1408	0.1409
Columns 1411 through 1415				

0.1410	0.1411	0.1412	0.1413	0.1414
Columns 1416 through 1420				
0.1415	0.1416	0.1417	0.1418	0.1419
Columns 1421 through 1425				
0.1420	0.1421	0.1422	0.1423	0.1424
Columns 1426 through 1430				
0.1425	0.1426	0.1427	0.1428	0.1429
Columns 1431 through 1435				
0.1430	0.1431	0.1432	0.1433	0.1434
Columns 1436 through 1440				
0.1435	0.1436	0.1437	0.1438	0.1439
Columns 1441 through 1445				
0.1440	0.1441	0.1442	0.1443	0.1444
Columns 1446 through 1450				
0.1445	0.1446	0.1447	0.1448	0.1449
Columns 1451 through 1455				
0.1450	0.1451	0.1452	0.1453	0.1454
Columns 1456 through 1460				
0.1455	0.1456	0.1457	0.1458	0.1459
Columns 1461 through 1465				
0.1460	0.1461	0.1462	0.1463	0.1464
Columns 1466 through 1470				
0.1465	0.1466	0.1467	0.1468	0.1469

Columns 1471 through 1475

0.1470	0.1471	0.1472	0.1473	0.1474
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Columns 1476 through 1480

0.1475	0.1476	0.1477	0.1478	0.1479
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Columns 1481 through 1485

0.1480	0.1481	0.1482	0.1483	0.1484
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Columns 1486 through 1490

0.1485	0.1486	0.1487	0.1488	0.1489
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Columns 1491 through 1495

0.1490	0.1491	0.1492	0.1493	0.1494
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Columns 1496 through 1500

0.1495	0.1496	0.1497	0.1498	0.1499
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Columns 1501 through 1505

0.1500	0.1501	0.1502	0.1503	0.1504
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Columns 1506 through 1510

0.1505	0.1506	0.1507	0.1508	0.1509
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Columns 1511 through 1515

0.1510	0.1511	0.1512	0.1513	0.1514
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Columns 1516 through 1520

0.1515	0.1516	0.1517	0.1518	0.1519
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Columns 1521 through 1525

0.1520	0.1521	0.1522	0.1523	0.1524
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Columns 1526 through 1530

0.1525	0.1526	0.1527	0.1528	0.1529
--------	--------	--------	--------	--------

Columns 1531 through 1535

0.1530	0.1531	0.1532	0.1533	0.1534
--------	--------	--------	--------	--------

Columns 1536 through 1540

0.1535	0.1536	0.1537	0.1538	0.1539
--------	--------	--------	--------	--------

Columns 1541 through 1545

0.1540	0.1541	0.1542	0.1543	0.1544
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Columns 1546 through 1550

0.1545	0.1546	0.1547	0.1548	0.1549
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Columns 1551 through 1555

0.1550	0.1551	0.1552	0.1553	0.1554
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Columns 1556 through 1560

0.1555	0.1556	0.1557	0.1558	0.1559
--------	--------	--------	--------	--------

Columns 1561 through 1565

0.1560	0.1561	0.1562	0.1563	0.1564
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Columns 1566 through 1570

0.1565	0.1566	0.1567	0.1568	0.1569
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Columns 1571 through 1575

0.1570	0.1571	0.1572	0.1573	0.1574
--------	--------	--------	--------	--------

Columns 1576 through 1580

0.1575	0.1576	0.1577	0.1578	0.1579
--------	--------	--------	--------	--------

Columns 1581 through 1585

0.1580	0.1581	0.1582	0.1583	0.1584
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Columns 1586 through 1590

0.1585	0.1586	0.1587	0.1588	0.1589
Columns 1591 through 1595				
0.1590	0.1591	0.1592	0.1593	0.1594
Columns 1596 through 1600				
0.1595	0.1596	0.1597	0.1598	0.1599
Columns 1601 through 1605				
0.1600	0.1601	0.1602	0.1603	0.1604
Columns 1606 through 1610				
0.1605	0.1606	0.1607	0.1608	0.1609
Columns 1611 through 1615				
0.1610	0.1611	0.1612	0.1613	0.1614
Columns 1616 through 1620				
0.1615	0.1616	0.1617	0.1618	0.1619
Columns 1621 through 1625				
0.1620	0.1621	0.1622	0.1623	0.1624
Columns 1626 through 1630				
0.1625	0.1626	0.1627	0.1628	0.1629
Columns 1631 through 1635				
0.1630	0.1631	0.1632	0.1633	0.1634
Columns 1636 through 1640				
0.1635	0.1636	0.1637	0.1638	0.1639
Columns 1641 through 1645				
0.1640	0.1641	0.1642	0.1643	0.1644
Columns 1646 through 1650				

0.1645	0.1646	0.1647	0.1648	0.1649
Columns 1651 through 1655				
0.1650	0.1651	0.1652	0.1653	0.1654
Columns 1656 through 1660				
0.1655	0.1656	0.1657	0.1658	0.1659
Columns 1661 through 1665				
0.1660	0.1661	0.1662	0.1663	0.1664
Columns 1666 through 1670				
0.1665	0.1666	0.1667	0.1668	0.1669
Columns 1671 through 1675				
0.1670	0.1671	0.1672	0.1673	0.1674
Columns 1676 through 1680				
0.1675	0.1676	0.1677	0.1678	0.1679
Columns 1681 through 1685				
0.1680	0.1681	0.1682	0.1683	0.1684
Columns 1686 through 1690				
0.1685	0.1686	0.1687	0.1688	0.1689
Columns 1691 through 1695				
0.1690	0.1691	0.1692	0.1693	0.1694
Columns 1696 through 1700				
0.1695	0.1696	0.1697	0.1698	0.1699
Columns 1701 through 1705				
0.1700	0.1701	0.1702	0.1703	0.1704

Columns 1706 through 1710

0.1705	0.1706	0.1707	0.1708	0.1709
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Columns 1711 through 1715

0.1710	0.1711	0.1712	0.1713	0.1714
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Columns 1716 through 1720

0.1715	0.1716	0.1717	0.1718	0.1719
--------	--------	--------	--------	--------

Columns 1721 through 1725

0.1720	0.1721	0.1722	0.1723	0.1724
--------	--------	--------	--------	--------

Columns 1726 through 1730

0.1725	0.1726	0.1727	0.1728	0.1729
--------	--------	--------	--------	--------

Columns 1731 through 1735

0.1730	0.1731	0.1732	0.1733	0.1734
--------	--------	--------	--------	--------

Columns 1736 through 1740

0.1735	0.1736	0.1737	0.1738	0.1739
--------	--------	--------	--------	--------

Columns 1741 through 1745

0.1740	0.1741	0.1742	0.1743	0.1744
--------	--------	--------	--------	--------

Columns 1746 through 1750

0.1745	0.1746	0.1747	0.1748	0.1749
--------	--------	--------	--------	--------

Columns 1751 through 1755

0.1750	0.1751	0.1752	0.1753	0.1754
--------	--------	--------	--------	--------

Columns 1756 through 1760

0.1755	0.1756	0.1757	0.1758	0.1759
--------	--------	--------	--------	--------

Columns 1761 through 1765

0.1760	0.1761	0.1762	0.1763	0.1764
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Columns 1766 through 1770

0.1765	0.1766	0.1767	0.1768	0.1769
--------	--------	--------	--------	--------

Columns 1771 through 1775

0.1770	0.1771	0.1772	0.1773	0.1774
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Columns 1776 through 1780

0.1775	0.1776	0.1777	0.1778	0.1779
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Columns 1781 through 1785

0.1780	0.1781	0.1782	0.1783	0.1784
--------	--------	--------	--------	--------

Columns 1786 through 1790

0.1785	0.1786	0.1787	0.1788	0.1789
--------	--------	--------	--------	--------

Columns 1791 through 1795

0.1790	0.1791	0.1792	0.1793	0.1794
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Columns 1796 through 1800

0.1795	0.1796	0.1797	0.1798	0.1799
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Columns 1801 through 1805

0.1800	0.1801	0.1802	0.1803	0.1804
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Columns 1806 through 1810

0.1805	0.1806	0.1807	0.1808	0.1809
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Columns 1811 through 1815

0.1810	0.1811	0.1812	0.1813	0.1814
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Columns 1816 through 1820

0.1815	0.1816	0.1817	0.1818	0.1819
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Columns 1821 through 1825

0.1820	0.1821	0.1822	0.1823	0.1824
Columns 1826 through 1830				
0.1825	0.1826	0.1827	0.1828	0.1829
Columns 1831 through 1835				
0.1830	0.1831	0.1832	0.1833	0.1834
Columns 1836 through 1840				
0.1835	0.1836	0.1837	0.1838	0.1839
Columns 1841 through 1845				
0.1840	0.1841	0.1842	0.1843	0.1844
Columns 1846 through 1850				
0.1845	0.1846	0.1847	0.1848	0.1849
Columns 1851 through 1855				
0.1850	0.1851	0.1852	0.1853	0.1854
Columns 1856 through 1860				
0.1855	0.1856	0.1857	0.1858	0.1859
Columns 1861 through 1865				
0.1860	0.1861	0.1862	0.1863	0.1864
Columns 1866 through 1870				
0.1865	0.1866	0.1867	0.1868	0.1869
Columns 1871 through 1875				
0.1870	0.1871	0.1872	0.1873	0.1874
Columns 1876 through 1880				
0.1875	0.1876	0.1877	0.1878	0.1879
Columns 1881 through 1885				

0.1880	0.1881	0.1882	0.1883	0.1884
Columns 1886 through 1890				
0.1885	0.1886	0.1887	0.1888	0.1889
Columns 1891 through 1895				
0.1890	0.1891	0.1892	0.1893	0.1894
Columns 1896 through 1900				
0.1895	0.1896	0.1897	0.1898	0.1899
Columns 1901 through 1905				
0.1900	0.1901	0.1902	0.1903	0.1904
Columns 1906 through 1910				
0.1905	0.1906	0.1907	0.1908	0.1909
Columns 1911 through 1915				
0.1910	0.1911	0.1912	0.1913	0.1914
Columns 1916 through 1920				
0.1915	0.1916	0.1917	0.1918	0.1919
Columns 1921 through 1925				
0.1920	0.1921	0.1922	0.1923	0.1924
Columns 1926 through 1930				
0.1925	0.1926	0.1927	0.1928	0.1929
Columns 1931 through 1935				
0.1930	0.1931	0.1932	0.1933	0.1934
Columns 1936 through 1940				
0.1935	0.1936	0.1937	0.1938	0.1939

Columns 1941 through 1945

0.1940 0.1941 0.1942 0.1943 0.1944

Columns 1946 through 1950

0.1945 0.1946 0.1947 0.1948 0.1949

Columns 1951 through 1955

0.1950 0.1951 0.1952 0.1953 0.1954

Columns 1956 through 1960

0.1955 0.1956 0.1957 0.1958 0.1959

Columns 1961 through 1965

0.1960 0.1961 0.1962 0.1963 0.1964

Columns 1966 through 1970

0.1965 0.1966 0.1967 0.1968 0.1969

Columns 1971 through 1975

0.1970 0.1971 0.1972 0.1973 0.1974

Columns 1976 through 1980

0.1975 0.1976 0.1977 0.1978 0.1979

Columns 1981 through 1985

0.1980 0.1981 0.1982 0.1983 0.1984

Columns 1986 through 1990

0.1985 0.1986 0.1987 0.1988 0.1989

Columns 1991 through 1995

0.1990 0.1991 0.1992 0.1993 0.1994

Columns 1996 through 2000

0.1995 0.1996 0.1997 0.1998 0.1999

Columns 2001 through 2005

0.2000	0.2001	0.2002	0.2003	0.2004
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Columns 2006 through 2010

0.2005	0.2006	0.2007	0.2008	0.2009
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Columns 2011 through 2015

0.2010	0.2011	0.2012	0.2013	0.2014
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Columns 2016 through 2020

0.2015	0.2016	0.2017	0.2018	0.2019
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Columns 2021 through 2025

0.2020	0.2021	0.2022	0.2023	0.2024
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Columns 2026 through 2030

0.2025	0.2026	0.2027	0.2028	0.2029
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Columns 2031 through 2035

0.2030	0.2031	0.2032	0.2033	0.2034
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Columns 2036 through 2040

0.2035	0.2036	0.2037	0.2038	0.2039
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Columns 2041 through 2045

0.2040	0.2041	0.2042	0.2043	0.2044
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Columns 2046 through 2050

0.2045	0.2046	0.2047	0.2048	0.2049
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Columns 2051 through 2055

0.2050	0.2051	0.2052	0.2053	0.2054
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Columns 2056 through 2060

0.2055	0.2056	0.2057	0.2058	0.2059
Columns 2061 through 2065				
0.2060	0.2061	0.2062	0.2063	0.2064
Columns 2066 through 2070				
0.2065	0.2066	0.2067	0.2068	0.2069
Columns 2071 through 2075				
0.2070	0.2071	0.2072	0.2073	0.2074
Columns 2076 through 2080				
0.2075	0.2076	0.2077	0.2078	0.2079
Columns 2081 through 2085				
0.2080	0.2081	0.2082	0.2083	0.2084
Columns 2086 through 2090				
0.2085	0.2086	0.2087	0.2088	0.2089
Columns 2091 through 2095				
0.2090	0.2091	0.2092	0.2093	0.2094
Columns 2096 through 2100				
0.2095	0.2096	0.2097	0.2098	0.2099
Columns 2101 through 2105				
0.2100	0.2101	0.2102	0.2103	0.2104
Columns 2106 through 2110				
0.2105	0.2106	0.2107	0.2108	0.2109
Columns 2111 through 2115				
0.2110	0.2111	0.2112	0.2113	0.2114
Columns 2116 through 2120				

0.2115	0.2116	0.2117	0.2118	0.2119
Columns 2121 through 2125				
0.2120	0.2121	0.2122	0.2123	0.2124
Columns 2126 through 2130				
0.2125	0.2126	0.2127	0.2128	0.2129
Columns 2131 through 2135				
0.2130	0.2131	0.2132	0.2133	0.2134
Columns 2136 through 2140				
0.2135	0.2136	0.2137	0.2138	0.2139
Columns 2141 through 2145				
0.2140	0.2141	0.2142	0.2143	0.2144
Columns 2146 through 2150				
0.2145	0.2146	0.2147	0.2148	0.2149
Columns 2151 through 2155				
0.2150	0.2151	0.2152	0.2153	0.2154
Columns 2156 through 2160				
0.2155	0.2156	0.2157	0.2158	0.2159
Columns 2161 through 2165				
0.2160	0.2161	0.2162	0.2163	0.2164
Columns 2166 through 2170				
0.2165	0.2166	0.2167	0.2168	0.2169
Columns 2171 through 2175				
0.2170	0.2171	0.2172	0.2173	0.2174

Columns 2176 through 2180

0.2175	0.2176	0.2177	0.2178	0.2179
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Columns 2181 through 2185

0.2180	0.2181	0.2182	0.2183	0.2184
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Columns 2186 through 2190

0.2185	0.2186	0.2187	0.2188	0.2189
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Columns 2191 through 2195

0.2190	0.2191	0.2192	0.2193	0.2194
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Columns 2196 through 2200

0.2195	0.2196	0.2197	0.2198	0.2199
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Columns 2201 through 2205

0.2200	0.2201	0.2202	0.2203	0.2204
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Columns 2206 through 2210

0.2205	0.2206	0.2207	0.2208	0.2209
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Columns 2211 through 2215

0.2210	0.2211	0.2212	0.2213	0.2214
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Columns 2216 through 2220

0.2215	0.2216	0.2217	0.2218	0.2219
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Columns 2221 through 2225

0.2220	0.2221	0.2222	0.2223	0.2224
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Columns 2226 through 2230

0.2225	0.2226	0.2227	0.2228	0.2229
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Columns 2231 through 2235

0.2230	0.2231	0.2232	0.2233	0.2234
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Columns 2236 through 2240

0.2235	0.2236	0.2237	0.2238	0.2239
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Columns 2241 through 2245

0.2240	0.2241	0.2242	0.2243	0.2244
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Columns 2246 through 2250

0.2245	0.2246	0.2247	0.2248	0.2249
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Columns 2251 through 2255

0.2250	0.2251	0.2252	0.2253	0.2254
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Columns 2256 through 2260

0.2255	0.2256	0.2257	0.2258	0.2259
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Columns 2261 through 2265

0.2260	0.2261	0.2262	0.2263	0.2264
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Columns 2266 through 2270

0.2265	0.2266	0.2267	0.2268	0.2269
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Columns 2271 through 2275

0.2270	0.2271	0.2272	0.2273	0.2274
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Columns 2276 through 2280

0.2275	0.2276	0.2277	0.2278	0.2279
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Columns 2281 through 2285

0.2280	0.2281	0.2282	0.2283	0.2284
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Columns 2286 through 2290

0.2285	0.2286	0.2287	0.2288	0.2289
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Columns 2291 through 2295

0.2290	0.2291	0.2292	0.2293	0.2294
Columns 2296 through 2300				
0.2295	0.2296	0.2297	0.2298	0.2299
Columns 2301 through 2305				
0.2300	0.2301	0.2302	0.2303	0.2304
Columns 2306 through 2310				
0.2305	0.2306	0.2307	0.2308	0.2309
Columns 2311 through 2315				
0.2310	0.2311	0.2312	0.2313	0.2314
Columns 2316 through 2320				
0.2315	0.2316	0.2317	0.2318	0.2319
Columns 2321 through 2325				
0.2320	0.2321	0.2322	0.2323	0.2324
Columns 2326 through 2330				
0.2325	0.2326	0.2327	0.2328	0.2329
Columns 2331 through 2335				
0.2330	0.2331	0.2332	0.2333	0.2334
Columns 2336 through 2340				
0.2335	0.2336	0.2337	0.2338	0.2339
Columns 2341 through 2345				
0.2340	0.2341	0.2342	0.2343	0.2344
Columns 2346 through 2350				
0.2345	0.2346	0.2347	0.2348	0.2349
Columns 2351 through 2355				

0.2350	0.2351	0.2352	0.2353	0.2354
Columns 2356 through 2360				
0.2355	0.2356	0.2357	0.2358	0.2359
Columns 2361 through 2365				
0.2360	0.2361	0.2362	0.2363	0.2364
Columns 2366 through 2370				
0.2365	0.2366	0.2367	0.2368	0.2369
Columns 2371 through 2375				
0.2370	0.2371	0.2372	0.2373	0.2374
Columns 2376 through 2380				
0.2375	0.2376	0.2377	0.2378	0.2379
Columns 2381 through 2385				
0.2380	0.2381	0.2382	0.2383	0.2384
Columns 2386 through 2390				
0.2385	0.2386	0.2387	0.2388	0.2389
Columns 2391 through 2395				
0.2390	0.2391	0.2392	0.2393	0.2394
Columns 2396 through 2400				
0.2395	0.2396	0.2397	0.2398	0.2399
Columns 2401 through 2405				
0.2400	0.2401	0.2402	0.2403	0.2404
Columns 2406 through 2410				
0.2405	0.2406	0.2407	0.2408	0.2409

Columns 2411 through 2415

0.2410	0.2411	0.2412	0.2413	0.2414
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Columns 2416 through 2420

0.2415	0.2416	0.2417	0.2418	0.2419
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Columns 2421 through 2425

0.2420	0.2421	0.2422	0.2423	0.2424
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Columns 2426 through 2430

0.2425	0.2426	0.2427	0.2428	0.2429
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Columns 2431 through 2435

0.2430	0.2431	0.2432	0.2433	0.2434
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Columns 2436 through 2440

0.2435	0.2436	0.2437	0.2438	0.2439
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Columns 2441 through 2445

0.2440	0.2441	0.2442	0.2443	0.2444
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Columns 2446 through 2450

0.2445	0.2446	0.2447	0.2448	0.2449
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Columns 2451 through 2455

0.2450	0.2451	0.2452	0.2453	0.2454
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Columns 2456 through 2460

0.2455	0.2456	0.2457	0.2458	0.2459
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Columns 2461 through 2465

0.2460	0.2461	0.2462	0.2463	0.2464
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Columns 2466 through 2470

0.2465	0.2466	0.2467	0.2468	0.2469
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Columns 2471 through 2475

0.2470	0.2471	0.2472	0.2473	0.2474
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Columns 2476 through 2480

0.2475	0.2476	0.2477	0.2478	0.2479
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Columns 2481 through 2485

0.2480	0.2481	0.2482	0.2483	0.2484
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Columns 2486 through 2490

0.2485	0.2486	0.2487	0.2488	0.2489
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Columns 2491 through 2495

0.2490	0.2491	0.2492	0.2493	0.2494
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Columns 2496 through 2500

0.2495	0.2496	0.2497	0.2498	0.2499
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Columns 2501 through 2505

0.2500	0.2501	0.2502	0.2503	0.2504
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Columns 2506 through 2510

0.2505	0.2506	0.2507	0.2508	0.2509
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Columns 2511 through 2515

0.2510	0.2511	0.2512	0.2513	0.2514
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Columns 2516 through 2520

0.2515	0.2516	0.2517	0.2518	0.2519
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Columns 2521 through 2525

0.2520	0.2521	0.2522	0.2523	0.2524
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Columns 2526 through 2530

0.2525	0.2526	0.2527	0.2528	0.2529
Columns 2531 through 2535				
0.2530	0.2531	0.2532	0.2533	0.2534
Columns 2536 through 2540				
0.2535	0.2536	0.2537	0.2538	0.2539
Columns 2541 through 2545				
0.2540	0.2541	0.2542	0.2543	0.2544
Columns 2546 through 2550				
0.2545	0.2546	0.2547	0.2548	0.2549
Columns 2551 through 2555				
0.2550	0.2551	0.2552	0.2553	0.2554
Columns 2556 through 2560				
0.2555	0.2556	0.2557	0.2558	0.2559
Columns 2561 through 2565				
0.2560	0.2561	0.2562	0.2563	0.2564
Columns 2566 through 2570				
0.2565	0.2566	0.2567	0.2568	0.2569
Columns 2571 through 2575				
0.2570	0.2571	0.2572	0.2573	0.2574
Columns 2576 through 2580				
0.2575	0.2576	0.2577	0.2578	0.2579
Columns 2581 through 2585				
0.2580	0.2581	0.2582	0.2583	0.2584
Columns 2586 through 2590				

0.2585	0.2586	0.2587	0.2588	0.2589
Columns 2591 through 2595				
0.2590	0.2591	0.2592	0.2593	0.2594
Columns 2596 through 2600				
0.2595	0.2596	0.2597	0.2598	0.2599
Columns 2601 through 2605				
0.2600	0.2601	0.2602	0.2603	0.2604
Columns 2606 through 2610				
0.2605	0.2606	0.2607	0.2608	0.2609
Columns 2611 through 2615				
0.2610	0.2611	0.2612	0.2613	0.2614
Columns 2616 through 2620				
0.2615	0.2616	0.2617	0.2618	0.2619
Columns 2621 through 2625				
0.2620	0.2621	0.2622	0.2623	0.2624
Columns 2626 through 2630				
0.2625	0.2626	0.2627	0.2628	0.2629
Columns 2631 through 2635				
0.2630	0.2631	0.2632	0.2633	0.2634
Columns 2636 through 2640				
0.2635	0.2636	0.2637	0.2638	0.2639
Columns 2641 through 2645				
0.2640	0.2641	0.2642	0.2643	0.2644

Columns 2646 through 2650

0.2645	0.2646	0.2647	0.2648	0.2649
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Columns 2651 through 2655

0.2650	0.2651	0.2652	0.2653	0.2654
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Columns 2656 through 2660

0.2655	0.2656	0.2657	0.2658	0.2659
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Columns 2661 through 2665

0.2660	0.2661	0.2662	0.2663	0.2664
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Columns 2666 through 2670

0.2665	0.2666	0.2667	0.2668	0.2669
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Columns 2671 through 2675

0.2670	0.2671	0.2672	0.2673	0.2674
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Columns 2676 through 2680

0.2675	0.2676	0.2677	0.2678	0.2679
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Columns 2681 through 2685

0.2680	0.2681	0.2682	0.2683	0.2684
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Columns 2686 through 2690

0.2685	0.2686	0.2687	0.2688	0.2689
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Columns 2691 through 2695

0.2690	0.2691	0.2692	0.2693	0.2694
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Columns 2696 through 2700

0.2695	0.2696	0.2697	0.2698	0.2699
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Columns 2701 through 2705

0.2700	0.2701	0.2702	0.2703	0.2704
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Columns 2706 through 2710

0.2705	0.2706	0.2707	0.2708	0.2709
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Columns 2711 through 2715

0.2710	0.2711	0.2712	0.2713	0.2714
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Columns 2716 through 2720

0.2715	0.2716	0.2717	0.2718	0.2719
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Columns 2721 through 2725

0.2720	0.2721	0.2722	0.2723	0.2724
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Columns 2726 through 2730

0.2725	0.2726	0.2727	0.2728	0.2729
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Columns 2731 through 2735

0.2730	0.2731	0.2732	0.2733	0.2734
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Columns 2736 through 2740

0.2735	0.2736	0.2737	0.2738	0.2739
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Columns 2741 through 2745

0.2740	0.2741	0.2742	0.2743	0.2744
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Columns 2746 through 2750

0.2745	0.2746	0.2747	0.2748	0.2749
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Columns 2751 through 2755

0.2750	0.2751	0.2752	0.2753	0.2754
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Columns 2756 through 2760

0.2755	0.2756	0.2757	0.2758	0.2759
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Columns 2761 through 2765

0.2760	0.2761	0.2762	0.2763	0.2764
Columns 2766 through 2770				
0.2765	0.2766	0.2767	0.2768	0.2769
Columns 2771 through 2775				
0.2770	0.2771	0.2772	0.2773	0.2774
Columns 2776 through 2780				
0.2775	0.2776	0.2777	0.2778	0.2779
Columns 2781 through 2785				
0.2780	0.2781	0.2782	0.2783	0.2784
Columns 2786 through 2790				
0.2785	0.2786	0.2787	0.2788	0.2789
Columns 2791 through 2795				
0.2790	0.2791	0.2792	0.2793	0.2794
Columns 2796 through 2800				
0.2795	0.2796	0.2797	0.2798	0.2799
Columns 2801 through 2805				
0.2800	0.2801	0.2802	0.2803	0.2804
Columns 2806 through 2810				
0.2805	0.2806	0.2807	0.2808	0.2809
Columns 2811 through 2815				
0.2810	0.2811	0.2812	0.2813	0.2814
Columns 2816 through 2820				
0.2815	0.2816	0.2817	0.2818	0.2819
Columns 2821 through 2825				

0.2820	0.2821	0.2822	0.2823	0.2824
Columns 2826 through 2830				
0.2825	0.2826	0.2827	0.2828	0.2829
Columns 2831 through 2835				
0.2830	0.2831	0.2832	0.2833	0.2834
Columns 2836 through 2840				
0.2835	0.2836	0.2837	0.2838	0.2839
Columns 2841 through 2845				
0.2840	0.2841	0.2842	0.2843	0.2844
Columns 2846 through 2850				
0.2845	0.2846	0.2847	0.2848	0.2849
Columns 2851 through 2855				
0.2850	0.2851	0.2852	0.2853	0.2854
Columns 2856 through 2860				
0.2855	0.2856	0.2857	0.2858	0.2859
Columns 2861 through 2865				
0.2860	0.2861	0.2862	0.2863	0.2864
Columns 2866 through 2870				
0.2865	0.2866	0.2867	0.2868	0.2869
Columns 2871 through 2875				
0.2870	0.2871	0.2872	0.2873	0.2874
Columns 2876 through 2880				
0.2875	0.2876	0.2877	0.2878	0.2879

Columns 2881 through 2885

0.2880	0.2881	0.2882	0.2883	0.2884
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Columns 2886 through 2890

0.2885	0.2886	0.2887	0.2888	0.2889
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Columns 2891 through 2895

0.2890	0.2891	0.2892	0.2893	0.2894
--------	--------	--------	--------	--------

Columns 2896 through 2900

0.2895	0.2896	0.2897	0.2898	0.2899
--------	--------	--------	--------	--------

Columns 2901 through 2905

0.2900	0.2901	0.2902	0.2903	0.2904
--------	--------	--------	--------	--------

Columns 2906 through 2910

0.2905	0.2906	0.2907	0.2908	0.2909
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Columns 2911 through 2915

0.2910	0.2911	0.2912	0.2913	0.2914
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Columns 2916 through 2920

0.2915	0.2916	0.2917	0.2918	0.2919
--------	--------	--------	--------	--------

Columns 2921 through 2925

0.2920	0.2921	0.2922	0.2923	0.2924
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Columns 2926 through 2930

0.2925	0.2926	0.2927	0.2928	0.2929
--------	--------	--------	--------	--------

Columns 2931 through 2935

0.2930	0.2931	0.2932	0.2933	0.2934
--------	--------	--------	--------	--------

Columns 2936 through 2940

0.2935	0.2936	0.2937	0.2938	0.2939
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Columns 2941 through 2945

0.2940	0.2941	0.2942	0.2943	0.2944
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Columns 2946 through 2950

0.2945	0.2946	0.2947	0.2948	0.2949
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Columns 2951 through 2955

0.2950	0.2951	0.2952	0.2953	0.2954
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Columns 2956 through 2960

0.2955	0.2956	0.2957	0.2958	0.2959
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Columns 2961 through 2965

0.2960	0.2961	0.2962	0.2963	0.2964
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Columns 2966 through 2970

0.2965	0.2966	0.2967	0.2968	0.2969
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Columns 2971 through 2975

0.2970	0.2971	0.2972	0.2973	0.2974
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Columns 2976 through 2980

0.2975	0.2976	0.2977	0.2978	0.2979
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Columns 2981 through 2985

0.2980	0.2981	0.2982	0.2983	0.2984
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Columns 2986 through 2990

0.2985	0.2986	0.2987	0.2988	0.2989
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Columns 2991 through 2995

0.2990	0.2991	0.2992	0.2993	0.2994
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Columns 2996 through 3000

0.2995	0.2996	0.2997	0.2998	0.2999
Columns 3001 through 3005				
0.3000	0.3001	0.3002	0.3003	0.3004
Columns 3006 through 3010				
0.3005	0.3006	0.3007	0.3008	0.3009
Columns 3011 through 3015				
0.3010	0.3011	0.3012	0.3013	0.3014
Columns 3016 through 3020				
0.3015	0.3016	0.3017	0.3018	0.3019
Columns 3021 through 3025				
0.3020	0.3021	0.3022	0.3023	0.3024
Columns 3026 through 3030				
0.3025	0.3026	0.3027	0.3028	0.3029
Columns 3031 through 3035				
0.3030	0.3031	0.3032	0.3033	0.3034
Columns 3036 through 3040				
0.3035	0.3036	0.3037	0.3038	0.3039
Columns 3041 through 3045				
0.3040	0.3041	0.3042	0.3043	0.3044
Columns 3046 through 3050				
0.3045	0.3046	0.3047	0.3048	0.3049
Columns 3051 through 3055				
0.3050	0.3051	0.3052	0.3053	0.3054
Columns 3056 through 3060				

0.3055	0.3056	0.3057	0.3058	0.3059
Columns 3061 through 3065				
0.3060	0.3061	0.3062	0.3063	0.3064
Columns 3066 through 3070				
0.3065	0.3066	0.3067	0.3068	0.3069
Columns 3071 through 3075				
0.3070	0.3071	0.3072	0.3073	0.3074
Columns 3076 through 3080				
0.3075	0.3076	0.3077	0.3078	0.3079
Columns 3081 through 3085				
0.3080	0.3081	0.3082	0.3083	0.3084
Columns 3086 through 3090				
0.3085	0.3086	0.3087	0.3088	0.3089
Columns 3091 through 3095				
0.3090	0.3091	0.3092	0.3093	0.3094
Columns 3096 through 3100				
0.3095	0.3096	0.3097	0.3098	0.3099
Columns 3101 through 3105				
0.3100	0.3101	0.3102	0.3103	0.3104
Columns 3106 through 3110				
0.3105	0.3106	0.3107	0.3108	0.3109
Columns 3111 through 3115				
0.3110	0.3111	0.3112	0.3113	0.3114

Columns 3116 through 3120

0.3115	0.3116	0.3117	0.3118	0.3119
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Columns 3121 through 3125

0.3120	0.3121	0.3122	0.3123	0.3124
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Columns 3126 through 3130

0.3125	0.3126	0.3127	0.3128	0.3129
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Columns 3131 through 3135

0.3130	0.3131	0.3132	0.3133	0.3134
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Columns 3136 through 3140

0.3135	0.3136	0.3137	0.3138	0.3139
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Columns 3141 through 3145

0.3140	0.3141	0.3142	0.3143	0.3144
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Columns 3146 through 3150

0.3145	0.3146	0.3147	0.3148	0.3149
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Columns 3151 through 3155

0.3150	0.3151	0.3152	0.3153	0.3154
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Columns 3156 through 3160

0.3155	0.3156	0.3157	0.3158	0.3159
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Columns 3161 through 3165

0.3160	0.3161	0.3162	0.3163	0.3164
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Columns 3166 through 3170

0.3165	0.3166	0.3167	0.3168	0.3169
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Columns 3171 through 3175

0.3170	0.3171	0.3172	0.3173	0.3174
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Columns 3176 through 3180

0.3175	0.3176	0.3177	0.3178	0.3179
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Columns 3181 through 3185

0.3180	0.3181	0.3182	0.3183	0.3184
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Columns 3186 through 3190

0.3185	0.3186	0.3187	0.3188	0.3189
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Columns 3191 through 3195

0.3190	0.3191	0.3192	0.3193	0.3194
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Columns 3196 through 3200

0.3195	0.3196	0.3197	0.3198	0.3199
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Columns 3201 through 3205

0.3200	0.3201	0.3202	0.3203	0.3204
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Columns 3206 through 3210

0.3205	0.3206	0.3207	0.3208	0.3209
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Columns 3211 through 3215

0.3210	0.3211	0.3212	0.3213	0.3214
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Columns 3216 through 3220

0.3215	0.3216	0.3217	0.3218	0.3219
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Columns 3221 through 3225

0.3220	0.3221	0.3222	0.3223	0.3224
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Columns 3226 through 3230

0.3225	0.3226	0.3227	0.3228	0.3229
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Columns 3231 through 3235

0.3230	0.3231	0.3232	0.3233	0.3234
Columns 3236 through 3240				
0.3235	0.3236	0.3237	0.3238	0.3239
Columns 3241 through 3245				
0.3240	0.3241	0.3242	0.3243	0.3244
Columns 3246 through 3250				
0.3245	0.3246	0.3247	0.3248	0.3249
Columns 3251 through 3255				
0.3250	0.3251	0.3252	0.3253	0.3254
Columns 3256 through 3260				
0.3255	0.3256	0.3257	0.3258	0.3259
Columns 3261 through 3265				
0.3260	0.3261	0.3262	0.3263	0.3264
Columns 3266 through 3270				
0.3265	0.3266	0.3267	0.3268	0.3269
Columns 3271 through 3275				
0.3270	0.3271	0.3272	0.3273	0.3274
Columns 3276 through 3280				
0.3275	0.3276	0.3277	0.3278	0.3279
Columns 3281 through 3285				
0.3280	0.3281	0.3282	0.3283	0.3284
Columns 3286 through 3290				
0.3285	0.3286	0.3287	0.3288	0.3289
Columns 3291 through 3295				

0.3290	0.3291	0.3292	0.3293	0.3294
Columns 3296 through 3300				
0.3295	0.3296	0.3297	0.3298	0.3299
Columns 3301 through 3305				
0.3300	0.3301	0.3302	0.3303	0.3304
Columns 3306 through 3310				
0.3305	0.3306	0.3307	0.3308	0.3309
Columns 3311 through 3315				
0.3310	0.3311	0.3312	0.3313	0.3314
Columns 3316 through 3320				
0.3315	0.3316	0.3317	0.3318	0.3319
Columns 3321 through 3325				
0.3320	0.3321	0.3322	0.3323	0.3324
Columns 3326 through 3330				
0.3325	0.3326	0.3327	0.3328	0.3329
Columns 3331 through 3335				
0.3330	0.3331	0.3332	0.3333	0.3334
Columns 3336 through 3340				
0.3335	0.3336	0.3337	0.3338	0.3339
Columns 3341 through 3345				
0.3340	0.3341	0.3342	0.3343	0.3344
Columns 3346 through 3350				
0.3345	0.3346	0.3347	0.3348	0.3349

Columns 3351 through 3355

0.3350	0.3351	0.3352	0.3353	0.3354
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Columns 3356 through 3360

0.3355	0.3356	0.3357	0.3358	0.3359
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Columns 3361 through 3365

0.3360	0.3361	0.3362	0.3363	0.3364
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Columns 3366 through 3370

0.3365	0.3366	0.3367	0.3368	0.3369
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Columns 3371 through 3375

0.3370	0.3371	0.3372	0.3373	0.3374
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Columns 3376 through 3380

0.3375	0.3376	0.3377	0.3378	0.3379
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Columns 3381 through 3385

0.3380	0.3381	0.3382	0.3383	0.3384
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Columns 3386 through 3390

0.3385	0.3386	0.3387	0.3388	0.3389
--------	--------	--------	--------	--------

Columns 3391 through 3395

0.3390	0.3391	0.3392	0.3393	0.3394
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Columns 3396 through 3400

0.3395	0.3396	0.3397	0.3398	0.3399
--------	--------	--------	--------	--------

Columns 3401 through 3405

0.3400	0.3401	0.3402	0.3403	0.3404
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Columns 3406 through 3410

0.3405	0.3406	0.3407	0.3408	0.3409
--------	--------	--------	--------	--------

Columns 3411 through 3415

0.3410	0.3411	0.3412	0.3413	0.3414
--------	--------	--------	--------	--------

Columns 3416 through 3420

0.3415	0.3416	0.3417	0.3418	0.3419
--------	--------	--------	--------	--------

Columns 3421 through 3425

0.3420	0.3421	0.3422	0.3423	0.3424
--------	--------	--------	--------	--------

Columns 3426 through 3430

0.3425	0.3426	0.3427	0.3428	0.3429
--------	--------	--------	--------	--------

Columns 3431 through 3435

0.3430	0.3431	0.3432	0.3433	0.3434
--------	--------	--------	--------	--------

Columns 3436 through 3440

0.3435	0.3436	0.3437	0.3438	0.3439
--------	--------	--------	--------	--------

Columns 3441 through 3445

0.3440	0.3441	0.3442	0.3443	0.3444
--------	--------	--------	--------	--------

Columns 3446 through 3450

0.3445	0.3446	0.3447	0.3448	0.3449
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Columns 3451 through 3455

0.3450	0.3451	0.3452	0.3453	0.3454
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Columns 3456 through 3460

0.3455	0.3456	0.3457	0.3458	0.3459
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Columns 3461 through 3465

0.3460	0.3461	0.3462	0.3463	0.3464
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Columns 3466 through 3470

0.3465 0.3466 0.3467 0.3468 0.3469
 Columns 3471 through 3475
 0.3470 0.3471 0.3472 0.3473 0.3474
 Columns 3476 through 3480
 0.3475 0.3476 0.3477 0.3478 0.3479
 Columns 3481 through 3485
 0.3480 0.3481 0.3482 0.3483 0.3484
 Columns 3486 through 3490
 0.3485 0.3486 0.3487 0.3488 0.3489
 Columns 3491 through 3495
 0.3490 0.3491 0.3492 0.3493 0.3494
 Columns 3496 through 3500
 0.3495 0.3496 0.3497 0.3498 0.3499
 Column 3501
 0.3500

I =

$$(1571 * \cos((1571 * t) / 20)) / 80$$

In =

$$\begin{aligned}
 & [1571/80, (1571 * \cos(1571/200000)) / 80, \\
 & (1571 * \cos(1571/100000)) / 80, (1571 * \cos(4713/200000)) / 80, \\
 & (1571 * \cos(1571/50000)) / 80, (1571 * \cos(1571/40000)) / 80, \\
 & (1571 * \cos(4713/100000)) / 80, (1571 * \cos(10997/200000)) / 80, \\
 & (1571 * \cos(1571/25000)) / 80, (1571 * \cos(14139/200000)) / 80, \\
 & (1571 * \cos(1571/20000)) / 80, (1571 * \cos(17281/200000)) / 80, \\
 & (1571 * \cos(4713/50000)) / 80, (1571 * \cos(20423/200000)) / 80, \\
 & (1571 * \cos(10997/100000)) / 80, (1571 * \cos(4713/40000)) / 80, \\
 & (1571 * \cos(1571/12500)) / 80, (1571 * \cos(26707/200000)) / 80,
 \end{aligned}$$

(1571*cos(14139/100000))/80, (1571*cos(29849/200000))/80,
(1571*cos(1571/10000))/80, (1571*cos(32991/200000))/80,
(1571*cos(17281/100000))/80, (1571*cos(36133/200000))/80,
(1571*cos(4713/25000))/80, (1571*cos(1571/8000))/80,
(1571*cos(20423/100000))/80, (1571*cos(42417/200000))/80,
(1571*cos(10997/50000))/80, (1571*cos(45559/200000))/80,
(1571*cos(4713/20000))/80, (1571*cos(48701/200000))/80,
(1571*cos(1571/6250))/80, (1571*cos(51843/200000))/80,
(1571*cos(26707/100000))/80, (1571*cos(10997/40000))/80,
(1571*cos(14139/50000))/80, (1571*cos(58127/200000))/80,
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(1571*cos(1571/5000))/80, (1571*cos(64411/200000))/80,
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(1571*cos(10997/25000))/80, (1571*cos(89547/200000))/80,
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(1571*cos(48701/100000))/80, (1571*cos(98973/200000))/80,
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(1571*cos(43... Output truncated. Text exceeds maximum line
length for Command Window display.

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P =

$$(1571*\cos((1571*t)/20)*\cos((1571*t)/2500))/160$$

Pn =

$$\begin{aligned}
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& (1571*\cos(1571/100000)*\cos(1571/12500000))/160, \\
& (1571*\cos(4713/200000)*\cos(4713/25000000))/160, \\
& (1571*\cos(1571/50000)*\cos(1571/6250000))/160, \\
& (1571*\cos(1571/40000)*\cos(1571/5000000))/160,
\end{aligned}$$

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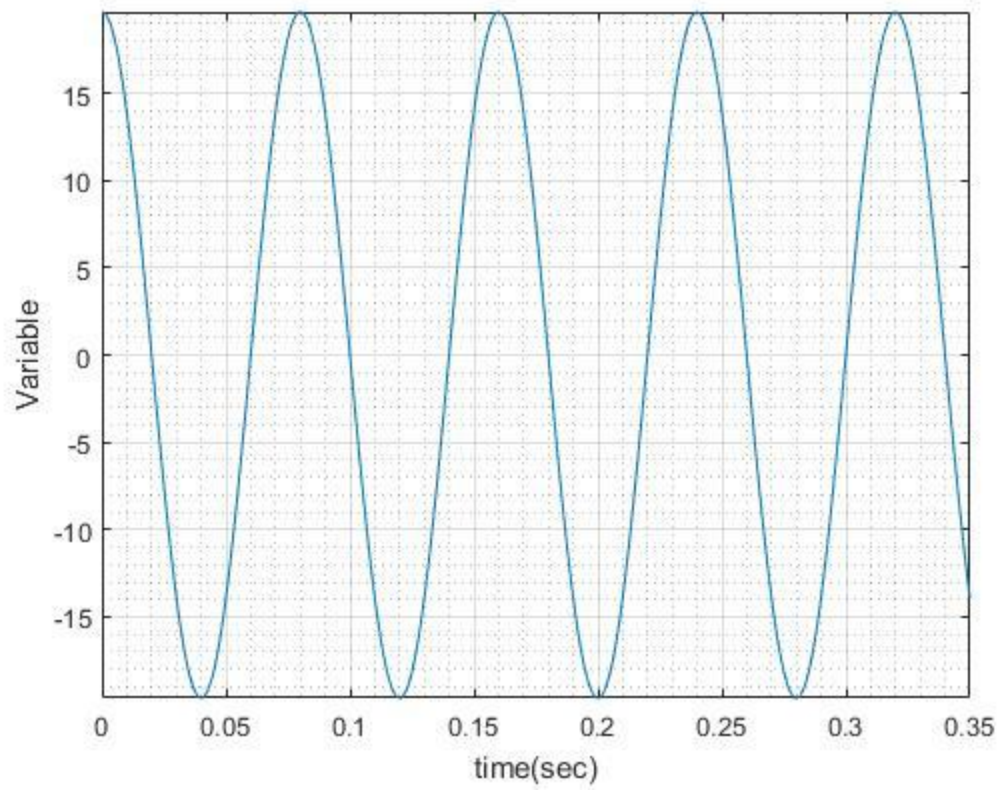


FIGURE (1)

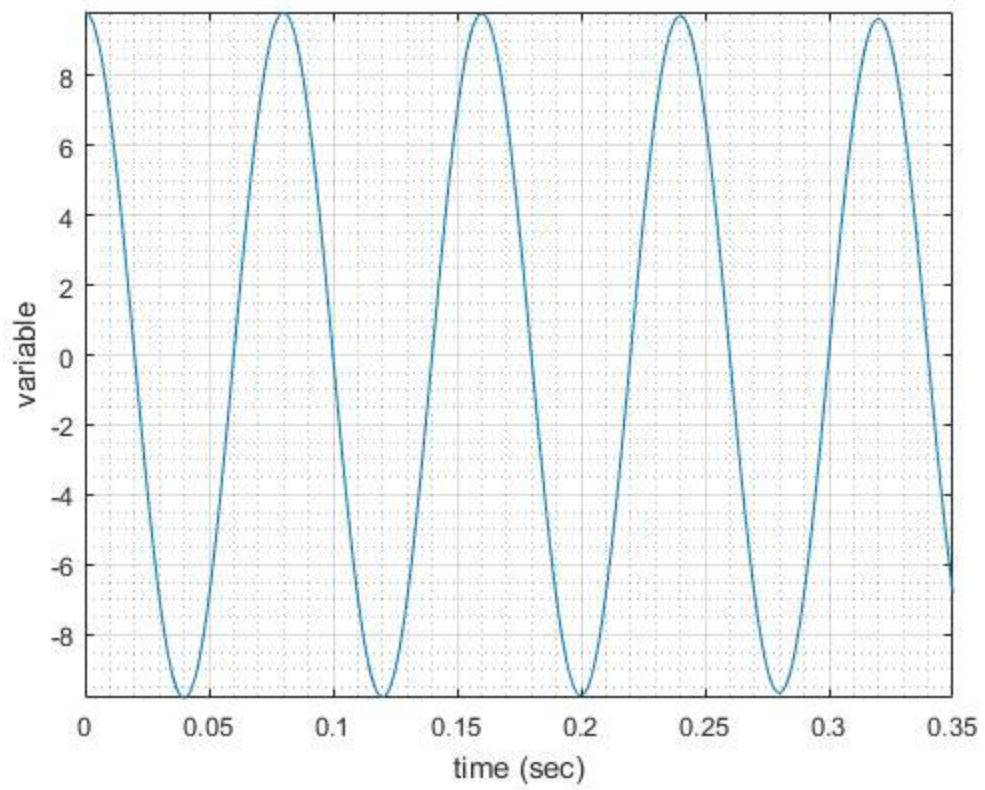


FIGURE (2)

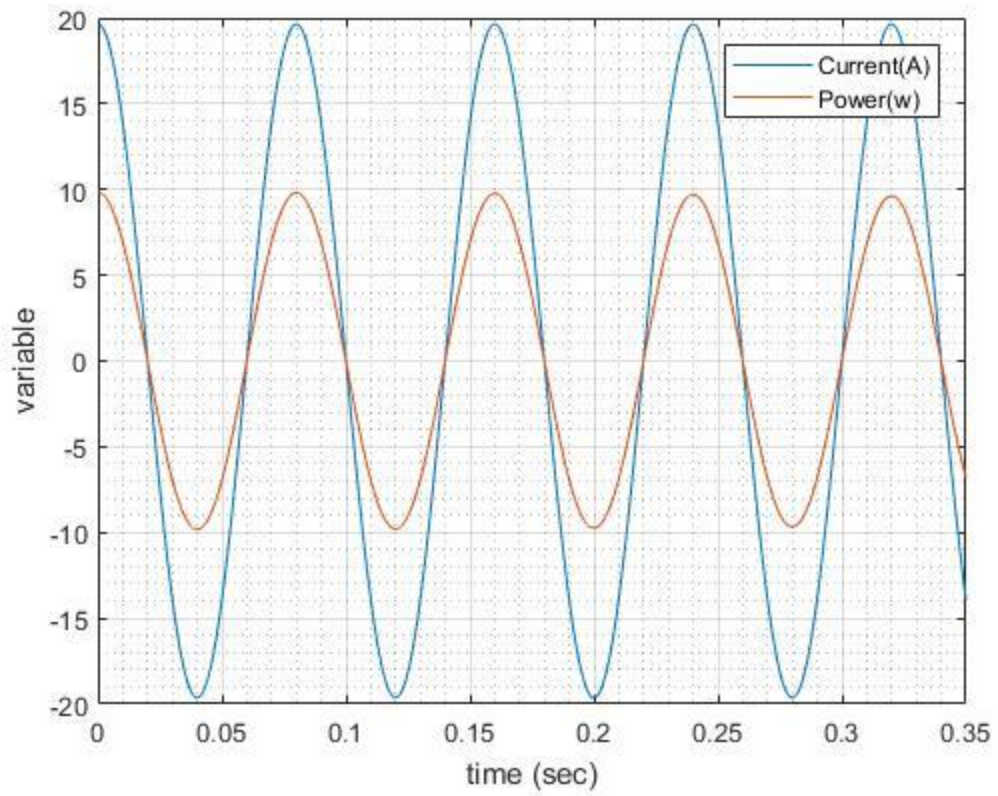


FIGURE (3)