

运行说明

代码思路

设置函数储存待求函数，设置函数指针数组储存 $\nabla f(x)$ ， $\nabla^2 f(x)$ 。

设置进退法确定一维搜索区间的函数section()，设置黄金分割法函数golden()，设置最速下降法函数descent()，设置带步长因子的牛顿迭代法函数newton()，其中牛顿迭代法中需要求解线性方程组，直接使用作业6中直接求解线性方程组的函数。

运行结果

newton法

第1次迭代 $f(x_1)=7.711096951027119e-01$, $x_1 = 1.612862655416668e-01$, $x_2 = 0.000000000000000e+00$
第2次迭代 $f(x_2)=4.833808100732658e-01$, $x_1 = 3.672617668027345e-01$, $x_2 = 1.060674693384249e-01$
第3次迭代 $f(x_3)=1.655670447930563e-01$, $x_1 = 6.301892281540802e-01$, $x_2 = 3.801658271220812e-01$
第4次迭代 $f(x_4)=5.305869414500154e-02$, $x_1 = 8.073379680952700e-01$, $x_2 = 6.391692093450347e-01$
第5次迭代 $f(x_5)=1.020634722867633e-03$, $x_1 = 9.766046721713775e-01$, $x_2 = 9.515811550621349e-01$
第6次迭代 $f(x_6)=8.925024392585886e-06$, $x_1 = 9.979942802326996e-01$, $x_2 = 9.962139905271963e-01$
第7次迭代 $f(x_7)=1.519324705503380e-09$, $x_1 = 1.000028758915945e+00$, $x_2 = 1.000060149722361e+00$
第8次迭代 $f(x_8)=1.899558997900128e-17$, $x_1 = 9.999999961591579e-01$, $x_2 = 9.999999925243139e-01$

最速下降法

9295次迭代 $f(x_{9295})=6.722456336035413e-09$, $x_1 = 9.999181487863394e-01$, $x_2 = 9.998358264108314e-01$

第298次迭代 $f(x_{298})=6.446627916241454e-02$, $x_1 = 7.461134222910872e-01$, $x_2 = 5.564044396766454e-01$ 第299次迭代 $f(x_{299})=6.421650054712165e-02$, $x_1 = 7.472795572590410e-01$, $x_2 = 5.565589080971679e-01$ 第300次迭代 $f(x_{300})=6.396923599702081e-02$, $x_1 = 7.470961889207304e-01$, $x_2 = 5.578544146684710e-01$ 第301次迭代 $f(x_{301})=6.372345698906264e-02$, $x_1 = 7.482422284604965e-01$, $x_2 = 5.580185107580433e-01$ 第302次迭代 $f(x_{302})=6.347802209780536e-02$, $x_1 = 7.480672258020412e-01$, $x_2 = 5.593235159137433e-01$ 第303次迭代 $f(x_{303})=6.323385909996272e-02$, $x_1 = 7.492003076298026e-01$, $x_2 = 5.594752493513454e-01$ 第304次迭代 $f(x_{304})=6.298986659776205e-02$, $x_1 = 7.490347368698885e-01$, $x_2 = 5.608019733048791e-01$ 第305次迭代 $f(x_{305})=6.274607583753621e-02$, $x_1 = 7.501513472629679e-01$, $x_2 = 5.609333700201108e-01$ 第306次迭代 $f(x_{306})=6.250191464664977e-02$, $x_1 = 7.500074839417937e-01$, $x_2 =$

5.622733906992958e-01 第307次迭代 $f(x_{307}) = 6.225966896333758e-02$, $x_1 = 7.511291327108386e-01$, $x_2 = 5.623978641658912e-01$ 第308次迭代 $f(x_{308}) = 6.201986049408995e-02$, $x_1 = 7.509758026639244e-01$, $x_2 = 5.637037034091351e-01$ 第309次迭代 $f(x_{309}) = 6.178237202941432e-02$, $x_1 = 7.520739707994606e-01$, $x_2 = 5.638402756548149e-01$ 第310次迭代 $f(x_{310}) = 6.154344598514080e-02$, $x_1 = 7.519315956650112e-01$, $x_2 = 5.651663319735585e-01$ 第311次迭代 $f(x_{311}) = 6.130631276226960e-02$, $x_1 = 7.530450901814068e-01$, $x_2 = 5.652892130212478e-01$ 第312次迭代 $f(x_{312}) = 6.107273024666526e-02$, $x_1 = 7.528859482342917e-01$, $x_2 = 5.665656692635435e-01$ 第313次迭代 $f(x_{313}) = 6.084129968084886e-02$, $x_1 = 7.539992568356882e-01$, $x_2 = 5.667122866108620e-01$ 第314次迭代 $f(x_{314}) = 6.061250551202140e-02$, $x_1 = 7.538201028546307e-01$, $x_2 = 5.679625462360747e-01$ 第315次迭代 $f(x_{315}) = 6.038434187271314e-02$, $x_1 = 7.549194509668206e-01$, $x_2 = 5.681148966449381e-01$ 第316次迭代 $f(x_{316}) = 6.015755477010717e-02$, $x_1 = 7.547463917493810e-01$, $x_2 = 5.693553684060787e-01$ 第317次迭代 $f(x_{317}) = 5.993218379025211e-02$, $x_1 = 7.558367521032129e-01$, $x_2 = 5.695101731579472e-01$ 第318次迭代 $f(x_{318}) = 5.970775514675614e-02$, $x_1 = 7.556649714793725e-01$, $x_2 = 5.707440848573031e-01$ 第319次迭代 $f(x_{319}) = 5.948474755312003e-02$, $x_1 = 7.567511353178759e-01$, $x_2 = 5.708981968610580e-01$ 第320次迭代 $f(x_{320}) = 5.926302732564944e-02$, $x_1 = 7.565759405178739e-01$, $x_2 = 5.721286831097209e-01$ 第321次迭代 $f(x_{321}) = 5.904198067287975e-02$, $x_1 = 7.576626186283703e-01$, $x_2 = 5.722790195160248e-01$ 第322次迭代 $f(x_{322}) = 5.882327247911615e-02$, $x_1 = 7.574847482237542e-01$, $x_2 = 5.734728997744136e-01$ 第323次迭代 $f(x_{323}) = 5.860647516985896e-02$, $x_1 = 7.585602772583037e-01$, $x_2 = 5.736435658426032e-01$ 第324次迭代 $f(x_{324}) = 5.839039905765511e-02$, $x_1 = 7.583777909859571e-01$, $x_2 = 5.748350929993640e-01$ 第325次迭代 $f(x_{325}) = 5.817547733549872e-02$, $x_1 = 7.594551639585888e-01$, $x_2 = 5.750011034627802e-01$ 第326次迭代 $f(x_{326}) = 5.796226136108964e-02$, $x_1 = 7.592671760887306e-01$, $x_2 = 5.761709097843681e-01$ 第327次迭代 $f(x_{327}) = 5.775032819408157e-02$, $x_1 = 7.603277047305640e-01$, $x_2 = 5.763445964027208e-01$ 第328次迭代 $f(x_{328}) = 5.753875593395370e-02$, $x_1 = 7.601460052405602e-01$, $x_2 = 5.775250127261140e-01$ 第329次迭代 $f(x_{329}) = 5.732809696790234e-02$, $x_1 = 7.611971805061447e-01$, $x_2 = 5.776853182131051e-01$ 第330次迭代 $f(x_{330}) = 5.711805962828557e-02$, $x_1 = 7.610258091293686e-01$, $x_2 = 5.788537576756491e-01$ 第331次迭代 $f(x_{331}) = 5.691013542846116e-02$, $x_1 = 7.620837643218122e-01$, $x_2 = 5.790223776193764e-01$ 第332次迭代 $f(x_{332}) = 5.670369818543326e-02$, $x_1 = 7.618933385565269e-01$, $x_2 = 5.801828632605383e-01$ 第333次迭代 $f(x_{333}) = 5.649753928059655e-02$, $x_1 = 7.629331551927691e-01$, $x_2 = 5.803440646629292e-01$ 第334次迭代 $f(x_{334}) = 5.629203107057323e-02$, $x_1 = 7.627592859862896e-01$, $x_2 = 5.815038242657256e-01$ 第335次迭代 $f(x_{335}) = 5.608799117461589e-02$, $x_1 = 7.637947183956745e-01$, $x_2 = 5.816646520907353e-01$ 第336次迭代 $f(x_{336}) = 5.588479131024621e-02$, $x_1 = 7.636184136122449e-01$, $x_2 = 5.828209014055034e-01$ 第337次迭代 $f(x_{337}) = 5.568256416857491e-02$, $x_1 = 7.646536509063619e-01$, $x_2 = 5.829786391056433e-01$ 第338次迭代 $f(x_{338}) = 5.548191293180926e-02$, $x_1 = 7.644741916376204e-01$, $x_2 = 5.841124631151805e-01$ 第339次迭代 $f(x_{339}) = 5.528262975330841e-02$, $x_1 = 7.655104985625270e-01$, $x_2 = 5.842820743876604e-01$ 第340次迭代 $f(x_{340}) = 5.508492553074166e-02$, $x_1 = 7.653227111267296e-01$, $x_2 = 5.853798002848917e-01$ 第341次迭代 $f(x_{341}) = 5.488882322118790e-02$, $x_1 = 7.663583642947803e-01$, $x_2 = 5.855719106122833e-01$ 第342次迭代 $f(x_{342}) = 5.469376422133715e-02$, $x_1 = 7.661598358383399e-01$, $x_2 = 5.866467493612745e-01$ 第343次迭代 $f(x_{343}) = 5.450005272755395e-02$, $x_1 = 7.671773201262261e-01$, $x_2 = 5.868474114314888e-01$ 第344次迭代 $f(x_{344}) = 5.430649112373261e-02$, $x_1 = 7.669856355008413e-01$, $x_2 = 5.879383762518889e-01$ 第345次迭代 $f(x_{345}) = 5.411408830900485e-02$, $x_1 = 7.680203215600073e-01$, $x_2 = 5.881245580955584e-01$ 第346次迭代 $f(x_{346}) = 5.392323237000233e-02$, $x_1 = 7.678138337935630e-01$, $x_2 =$

5.891800806781988e-01 第347次迭代 $f(x_{347}) = 5.373348566692622e-02$, $x_1 =$
7.688653811566840e-01, $x_2 = 5.893925157436829e-01$ 第348次迭代 $f(x_{348})$
 $= 5.354473920800090e-02$, $x_1 = 7.686402652048231e-01$, $x_2 = 5.903905765312688e-01$ 第349次迭
代 $f(x_{349}) = 5.335601922369936e-02$, $x_1 = 7.697048035259483e-01$, $x_2 = 5.906562341561435e-01$
第350次迭代 $f(x_{350}) = 5.316819239591393e-02$, $x_1 = 7.694564666459234e-01$, $x_2 =$
5.916405056211067e-01 第351次迭代 $f(x_{351}) = 5.298108495801138e-02$, $x_1 =$
7.705100181732293e-01, $x_2 = 5.919096441892995e-01$ 第352次迭代 $f(x_{352})$
 $= 5.279532518090899e-02$, $x_1 = 7.702668620896164e-01$, $x_2 = 5.928866507237763e-01$ 第353次迭
代 $f(x_{353}) = 5.260995978415484e-02$, $x_1 = 7.713132099689097e-01$, $x_2 = 5.931568331698770e-01$
第354次迭代 $f(x_{354}) = 5.242607521003818e-02$, $x_1 = 7.710715415827251e-01$, $x_2 =$
5.941289937324028e-01 第355次迭代 $f(x_{355}) = 5.224258253881267e-02$, $x_1 =$
7.721143538277645e-01, $x_2 = 5.943978649526901e-01$ 第356次迭代 $f(x_{356})$
 $= 5.206039771656387e-02$, $x_1 = 7.718705639420834e-01$, $x_2 = 5.953675367029523e-01$ 第357次迭
代 $f(x_{357}) = 5.187891470468359e-02$, $x_1 = 7.729134593929285e-01$, $x_2 = 5.956327805210238e-01$
第358次迭代 $f(x_{358}) = 5.169826462406456e-02$, $x_1 = 7.726639579237106e-01$, $x_2 =$
5.966023008585707e-01 第359次迭代 $f(x_{359}) = 5.151888658800347e-02$, $x_1 =$
7.736834373767776e-01, $x_2 = 5.968548765022306e-01$ 第360次迭代 $f(x_{360})$
 $= 5.134072787812363e-02$, $x_1 = 7.734479470965976e-01$, $x_2 = 5.978357838232107e-01$ 第361次迭
代 $f(x_{361}) = 5.116359988219308e-02$, $x_1 = 7.744655649176602e-01$, $x_2 = 5.980711694482829e-01$
第362次迭代 $f(x_{362}) = 5.098714075179055e-02$, $x_1 = 7.742288856065642e-01$, $x_2 =$
5.990489927235223e-01 第363次迭代 $f(x_{363}) = 5.081177640689244e-02$, $x_1 =$
7.752181661522477e-01, $x_2 = 5.992752964295499e-01$ 第364次迭代 $f(x_{364})$
 $= 5.063742635645455e-02$, $x_1 = 7.749991005791094e-01$, $x_2 = 6.002768838736764e-01$ 第365次迭
代 $f(x_{365}) = 5.046367310342962e-02$, $x_1 = 7.759694721820638e-01$, $x_2 = 6.004733401841357e-01$
第366次迭代 $f(x_{366}) = 5.029071776950755e-02$, $x_1 = 7.757690656216034e-01$, $x_2 =$
6.014828919648314e-01 第367次迭代 $f(x_{367}) = 5.011845175923548e-02$, $x_1 =$
7.767452957476489e-01, $x_2 = 6.016725654873027e-01$ 第368次迭代 $f(x_{368})$
 $= 4.994734037538512e-02$, $x_1 = 7.765392010647877e-01$, $x_2 = 6.026580010306490e-01$ 第369次迭
代 $f(x_{369}) = 4.977705165234579e-02$, $x_1 = 7.774928424470465e-01$, $x_2 = 6.028592212512935e-01$
第370次迭代 $f(x_{370}) = 4.960726474375116e-02$, $x_1 = 7.772984513114795e-01$, $x_2 =$
6.038569515331307e-01 第371次迭代 $f(x_{371}) = 4.943832673105591e-02$, $x_1 =$
7.782643964999073e-01, $x_2 = 6.040472934674996e-01$ 第372次迭代 $f(x_{372})$
 $= 4.927047812498929e-02$, $x_1 = 7.780578497313430e-01$, $x_2 = 6.050253047654717e-01$ 第373次迭
代 $f(x_{373}) = 4.910333712809754e-02$, $x_1 = 7.790079330652625e-01$, $x_2 = 6.052228890490070e-01$
第374次迭代 $f(x_{374}) = 4.893696544387300e-02$, $x_1 = 7.788118898470288e-01$, $x_2 =$
6.061903933980154e-01 第375次迭代 $f(x_{375}) = 4.877152726365903e-02$, $x_1 =$
7.797495888478037e-01, $x_2 = 6.063929942269214e-01$ 第376次迭代 $f(x_{376})$
 $= 4.860654795480238e-02$, $x_1 = 7.795554508535341e-01$, $x_2 = 6.073788487568407e-01$ 第377次迭
代 $f(x_{377}) = 4.844219508381141e-02$, $x_1 = 7.804869328909635e-01$, $x_2 = 6.075592011329858e-01$
第378次迭代 $f(x_{378}) = 4.827851661126985e-02$, $x_1 = 7.802987563843691e-01$, $x_2 =$
6.085518219171799e-01 第379次迭代 $f(x_{379}) = 4.811533307219056e-02$, $x_1 =$
7.812200210283703e-01, $x_2 = 6.087215160466199e-01$ 第380次迭代 $f(x_{380})$
 $= 4.795280574492828e-02$, $x_1 = 7.810427469530677e-01$, $x_2 = 6.097033179013613e-01$ 第381次迭
代 $f(x_{381}) = 4.779147444352536e-02$, $x_1 = 7.819684303843657e-01$, $x_2 = 6.098818012860253e-01$
第382次迭代 $f(x_{382}) = 4.763101097859625e-02$, $x_1 = 7.817788976159668e-01$, $x_2 =$
6.108532608673658e-01 第383次迭代 $f(x_{383}) = 4.747121610484712e-02$, $x_1 =$
7.826998134869151e-01, $x_2 = 6.110320353793762e-01$ 第384次迭代 $f(x_{384})$
 $= 4.731226863568941e-02$, $x_1 = 7.825099958299756e-01$, $x_2 = 6.119999196337000e-01$ 第385次迭
代 $f(x_{385}) = 4.715390477822046e-02$, $x_1 = 7.834292198379464e-01$, $x_2 = 6.121770383640427e-01$
第386次迭代 $f(x_{386}) = 4.699654753738292e-02$, $x_1 = 7.832360821328036e-01$, $x_2 =$

6.131433011934211e-01 第387次迭代 $f(x_{387}) = 4.683947614124465e-02$, $x_1 = 7.841395351085507e-01$, $x_2 = 6.133136063757167e-01$ 第388次迭代 $f(x_{388}) = 4.668304596377895e-02$, $x_1 = 7.839598203584150e-01$, $x_2 = 6.142817645879777e-01$ 第389次迭代 $f(x_{389}) = 4.652731409140524e-02$, $x_1 = 7.848626949219175e-01$, $x_2 = 6.144497894839019e-01$ 第390次迭代 $f(x_{390}) = 4.637251105047431e-02$, $x_1 = 7.846816374684983e-01$, $x_2 = 6.154010221651766e-01$ 第391次迭代 $f(x_{391}) = 4.621860118917247e-02$, $x_1 = 7.855861809801585e-01$, $x_2 = 6.155793929704642e-01$ 第392次迭代 $f(x_{392}) = 4.606558344273448e-02$, $x_1 = 7.853982438019848e-01$, $x_2 = 6.165087922417475e-01$ 第393次迭代 $f(x_{393}) = 4.591340362998417e-02$, $x_1 = 7.863101574536495e-01$, $x_2 = 6.167023515302347e-01$ 第394次迭代 $f(x_{394}) = 4.576207628683194e-02$, $x_1 = 7.861118975001813e-01$, $x_2 = 6.175983394839354e-01$ 第395次迭代 $f(x_{395}) = 4.561120591657500e-02$, $x_1 = 7.870325628586399e-01$, $x_2 = 6.178200155364590e-01$ 第396次迭代 $f(x_{396}) = 4.546103642076071e-02$, $x_1 = 7.868184591728988e-01$, $x_2 = 6.187003115687563e-01$ 第397次迭代 $f(x_{397}) = 4.531135674657356e-02$, $x_1 = 7.877510836680495e-01$, $x_2 = 6.189338876783532e-01$ 第398次迭代 $f(x_{398}) = 4.516196720719977e-02$, $x_1 = 7.875208381491828e-01$, $x_2 = 6.198073247088148e-01$ 第399次迭代 $f(x_{399}) = 4.501365349712418e-02$, $x_1 = 7.884248826435792e-01$, $x_2 = 6.200338486966723e-01$ 第400次迭代 $f(x_{400}) = 4.486632141907783e-02$, $x_1 = 7.882120707492415e-01$, $x_2 = 6.209290630516888e-01$ 第401次迭代 $f(x_{401}) = 4.471965558237318e-02$, $x_1 = 7.891001665273335e-01$, $x_2 = 6.211269264815279e-01$ 第402次迭代 $f(x_{402}) = 4.457373230743508e-02$, $x_1 = 7.889071792899724e-01$, $x_2 = 6.220063887593665e-01$ 第403次迭代 $f(x_{403}) = 4.442829618664881e-02$, $x_1 = 7.898150996419465e-01$, $x_2 = 6.222248444085802e-01$ 第404次迭代 $f(x_{404}) = 4.428332349920636e-02$, $x_1 = 7.895998124036366e-01$, $x_2 = 6.230794753002769e-01$ 第405次迭代 $f(x_{405}) = 4.413869050780296e-02$, $x_1 = 7.905089613099496e-01$, $x_2 = 6.233163523699714e-01$ 第406次迭代 $f(x_{406}) = 4.399473327649253e-02$, $x_1 = 7.902844588480860e-01$, $x_2 = 6.241736924782292e-01$ 第407次迭代 $f(x_{407}) = 4.385171386197222e-02$, $x_1 = 7.911763974439990e-01$, $x_2 = 6.243967081143760e-01$ 第408次迭代 $f(x_{408}) = 4.370945592547558e-02$, $x_1 = 7.909642840997362e-01$, $x_2 = 6.252567297240773e-01$ 第409次迭代 $f(x_{409}) = 4.356785883252339e-02$, $x_1 = 7.918594555318036e-01$, $x_2 = 6.254749600166469e-01$ 第410次迭代 $f(x_{410}) = 4.342668014172822e-02$, $x_1 = 7.916438385736525e-01$, $x_2 = 6.263206238057512e-01$ 第411次迭代 $f(x_{411}) = 4.328608231486344e-02$, $x_1 = 7.925238068267744e-01$, $x_2 = 6.265457221961965e-01$ 第412次迭代 $f(x_{412}) = 4.314638346787693e-02$, $x_1 = 7.923151488282875e-01$, $x_2 = 6.273974253911794e-01$ 第413次迭代 $f(x_{413}) = 4.300729951409889e-02$, $x_1 = 7.932035007124315e-01$, $x_2 = 6.276145286436495e-01$ 第414次迭代 $f(x_{414}) = 4.286853931960135e-02$, $x_1 = 7.929862101649441e-01$, $x_2 = 6.284552405803762e-01$ 第415次迭代 $f(x_{415}) = 4.273053455817210e-02$, $x_1 = 7.938646239393549e-01$, $x_2 = 6.286759155989028e-01$ 第416次迭代 $f(x_{416}) = 4.259313068023539e-02$, $x_1 = 7.936530579465915e-01$, $x_2 = 6.295100739294041e-01$ 第417次迭代 $f(x_{417}) = 4.245624841138720e-02$, $x_1 = 7.945241936103592e-01$, $x_2 = 6.297326558214933e-01$ 第418次迭代 $f(x_{418}) = 4.232011489301292e-02$, $x_1 = 7.943157620494977e-01$, $x_2 = 6.305619083321831e-01$ 第419次迭代 $f(x_{419}) = 4.218439922360246e-02$, $x_1 = 7.951821809880238e-01$, $x_2 = 6.307847982228512e-01$ 第420次迭代 $f(x_{420}) = 4.204945884623622e-02$, $x_1 = 7.949743738849099e-01$, $x_2 = 6.316107383020689e-01$ 第421次迭代 $f(x_{421}) = 4.191495610872247e-02$, $x_1 = 7.958385767695626e-01$, $x_2 = 6.318323792996492e-01$ 第422次迭代 $f(x_{422}) = 4.178113821326800e-02$, $x_1 = 7.956289273461207e-01$, $x_2 = 6.326565692662771e-01$ 第423次迭代 $f(x_{423}) = 4.164789847700281e-02$, $x_1 = 7.964933902226206e-01$, $x_2 = 6.328754236660328e-01$ 第424次迭代 $f(x_{424}) = 4.151513711593682e-02$, $x_1 = 7.962794393282311e-01$, $x_2 = 6.336994171367643e-01$ 第425次迭代 $f(x_{425}) = 4.138321585713157e-02$, $x_1 = 7.971466487781689e-01$, $x_2 = 6.339139443002101e-01$ 第426次迭代 $f(x_{426}) = 4.125136762045567e-02$, $x_1 = 7.969326581514274e-01$, $x_2 =$

6.347140755732019e-01 第427次迭代 $f(x_{427}) = 4.111980101742665e-02$, $x_1 = 7.977943902637540e-01$, $x_2 = 6.349504632658788e-01$ 第428次迭代 $f(x_{428}) = 4.098901551480470e-02$, $x_1 = 7.975788202125057e-01$, $x_2 = 6.357488101494303e-01$ 第429次迭代 $f(x_{429}) = 4.085872154419005e-02$, $x_1 = 7.984406077557106e-01$, $x_2 = 6.359825010268707e-01$ 第430次迭代 $f(x_{430}) = 4.072889955095019e-02$, $x_1 = 7.982210607626156e-01$, $x_2 = 6.367805743061887e-01$ 第431次迭代 $f(x_{431}) = 4.059994238079039e-02$, $x_1 = 7.990619342231489e-01$, $x_2 = 6.370038594125463e-01$ 第432次迭代 $f(x_{432}) = 4.047184392965004e-02$, $x_1 = 7.988559236105071e-01$, $x_2 = 6.378115588620056e-01$ 第433次迭代 $f(x_{433}) = 4.034441676339460e-02$, $x_1 = 7.997089200769109e-01$, $x_2 = 6.380247209122240e-01$ 第434次迭代 $f(x_{434}) = 4.021692564841250e-02$, $x_1 = 7.994934905239158e-01$, $x_2 = 6.388148039769215e-01$ 第435次迭代 $f(x_{435}) = 4.009014752975604e-02$, $x_1 = 8.003274314365048e-01$, $x_2 = 6.390373472717606e-01$ 第436次迭代 $f(x_{436}) = 3.996420263844479e-02$, $x_1 = 8.001207236887738e-01$, $x_2 = 6.398399368644341e-01$ 第437次迭代 $f(x_{437}) = 3.983896034953747e-02$, $x_1 = 8.009329769987698e-01$, $x_2 = 6.400400838411634e-01$ 第438次迭代 $f(x_{438}) = 3.971436464146797e-02$, $x_1 = 8.007416203593872e-01$, $x_2 = 6.408636802987584e-01$ 第439次迭代 $f(x_{439}) = 3.959016903345504e-02$, $x_1 = 8.015376852275568e-01$, $x_2 = 6.410383060785976e-01$ 第440次迭代 $f(x_{440}) = 3.946638487580070e-02$, $x_1 = 8.013604249897575e-01$, $x_2 = 6.418835033588164e-01$ 第441次迭代 $f(x_{441}) = 3.934265077650467e-02$, $x_1 = 8.021525561070987e-01$, $x_2 = 6.420379088889095e-01$ 第442次迭代 $f(x_{442}) = 3.921968322852785e-02$, $x_1 = 8.019834980593232e-01$, $x_2 = 6.428750714480058e-01$ 第443次迭代 $f(x_{443}) = 3.909721479577045e-02$, $x_1 = 8.027659367636356e-01$, $x_2 = 6.430333667625969e-01$ 第444次迭代 $f(x_{444}) = 3.897511919993382e-02$, $x_1 = 8.026027221505549e-01$, $x_2 = 6.438639830983273e-01$ 第445次迭代 $f(x_{445}) = 3.885382094020524e-02$, $x_1 = 8.033777866662331e-01$, $x_2 = 6.440247312932644e-01$ 第446次迭代 $f(x_{446}) = 3.873262728489485e-02$, $x_1 = 8.032137275232100e-01$, $x_2 = 6.448731818958637e-01$ 第447次迭代 $f(x_{447}) = 3.861155346469346e-02$, $x_1 = 8.039682995213390e-01$, $x_2 = 6.450117865525504e-01$ 第448次迭代 $f(x_{448}) = 3.848960788877252e-02$, $x_1 = 8.038310353207754e-01$, $x_2 = 6.458733133187897e-01$ 第449次迭代 $f(x_{449}) = 3.836920505894655e-02$, $x_1 = 8.045888295094180e-01$, $x_2 = 6.460079004444924e-01$ 第450次迭代 $f(x_{450}) = 3.824874019475278e-02$, $x_1 = 8.044444515048382e-01$, $x_2 = 6.468707285310057e-01$ 第451次迭代 $f(x_{451}) = 3.812887171881008e-02$, $x_1 = 8.052077215403103e-01$, $x_2 = 6.469999161817648e-01$ 第452次迭代 $f(x_{452}) = 3.800998377106212e-02$, $x_1 = 8.050579392951230e-01$, $x_2 = 6.478430268493491e-01$ 第453次迭代 $f(x_{453}) = 3.789182972369504e-02$, $x_1 = 8.058059212955604e-01$, $x_2 = 6.479797189144566e-01$ 第454次迭代 $f(x_{454}) = 3.777326702202945e-02$, $x_1 = 8.056638222843805e-01$, $x_2 = 6.488350217593575e-01$ 第455次迭代 $f(x_{455}) = 3.765540181637467e-02$, $x_1 = 8.064215015033539e-01$, $x_2 = 6.489637256039625e-01$ 第456次迭代 $f(x_{456}) = 3.753862298367765e-02$, $x_1 = 8.062697930249791e-01$, $x_2 = 6.498020946136893e-01$ 第457次迭代 $f(x_{457}) = 3.742219535639229e-02$, $x_1 = 8.070165300789149e-01$, $x_2 = 6.499356212636456e-01$ 第458次迭代 $f(x_{458}) = 3.730603050559575e-02$, $x_1 = 8.068719987330215e-01$, $x_2 = 6.507666392322934e-01$ 第459次迭代 $f(x_{459}) = 3.719088986529866e-02$, $x_1 = 8.076100560848186e-01$, $x_2 = 6.509035916791017e-01$ 第460次迭代 $f(x_{460}) = 3.707538366857312e-02$, $x_1 = 8.074668075124631e-01$, $x_2 = 6.517505845446495e-01$ 第461次迭代 $f(x_{461}) = 3.696015792871592e-02$, $x_1 = 8.081956884142220e-01$, $x_2 = 6.518715921025210e-01$ 第462次迭代 $f(x_{462}) = 3.684436044596778e-02$, $x_1 = 8.080653722187001e-01$, $x_2 = 6.527359985144290e-01$ 第463次迭代 $f(x_{463}) = 3.672909511376395e-02$, $x_1 = 8.088055209673066e-01$, $x_2 = 6.528481662820964e-01$ 第464次迭代 $f(x_{464}) = 3.661535480822185e-02$, $x_1 = 8.086652072251758e-01$, $x_2 = 6.536873879727576e-01$ 第465次迭代 $f(x_{465}) = 3.650208138096058e-02$, $x_1 = 8.093880691929394e-01$, $x_2 = 6.538083805110902e-01$ 第466次迭代 $f(x_{466}) = 3.638835170730198e-02$, $x_1 = 8.092558075220246e-01$, $x_2 =$

6.546712491737345e-01 第467次迭代 $f(x_{467}) = 3.627448760416298e-02$, $x_1 =$
8.099976933448838e-01, $x_2 = 6.547786476886878e-01$ 第468次迭代 $f(x_{468})$
 $= 3.616318014934111e-02$, $x_1 = 8.098522665803776e-01$, $x_2 = 6.555957479414704e-01$ 第469次迭
代 $f(x_{469}) = 3.605239615532627e-02$, $x_1 = 8.105834246581035e-01$, $x_2 = 6.557273186104540e-01$
第470次迭代 $f(x_{470}) = 3.594227826427436e-02$, $x_1 = 8.104353371397702e-01$, $x_2 =$
6.565312667777577e-01 第471次迭代 $f(x_{471}) = 3.583278784647862e-02$, $x_1 =$
8.111560224190673e-01, $x_2 = 6.566674176212830e-01$ 第472次迭代 $f(x_{472})$
 $= 3.572321292999485e-02$, $x_1 = 8.110125261788325e-01$, $x_2 = 6.574777333119961e-01$ 第473次迭
代 $f(x_{473}) = 3.561421323897020e-02$, $x_1 = 8.117387137785594e-01$, $x_2 = 6.576086278985300e-01$
第474次迭代 $f(x_{474}) = 3.550599424018516e-02$, $x_1 = 8.115887112783641e-01$, $x_2 =$
6.584082713059165e-01 第475次迭代 $f(x_{475}) = 3.539807067201082e-02$, $x_1 =$
8.123083556517948e-01, $x_2 = 6.585413413060529e-01$ 第476次迭代 $f(x_{476})$
 $= 3.529059297624381e-02$, $x_1 = 8.121614866562715e-01$, $x_2 = 6.593363566951367e-01$ 第477次迭
代 $f(x_{477}) = 3.518363658616414e-02$, $x_1 = 8.128765542364814e-01$, $x_2 = 6.594703993973006e-01$
第478次迭代 $f(x_{478}) = 3.507698099146467e-02$, $x_1 = 8.127308990666609e-01$, $x_2 =$
6.602619808659453e-01 第479次迭代 $f(x_{479}) = 3.497089064101863e-02$, $x_1 =$
8.134433013565571e-01, $x_2 = 6.603958297566924e-01$ 第480次迭代 $f(x_{480})$
 $= 3.486513722629276e-02$, $x_1 = 8.132969817462465e-01$, $x_2 = 6.611851434655664e-01$ 第481次迭
代 $f(x_{481}) = 3.475981705654687e-02$, $x_1 = 8.140085993825718e-01$, $x_2 = 6.613176533482401e-01$
第482次迭代 $f(x_{482}) = 3.465504730304373e-02$, $x_1 = 8.138597549465478e-01$, $x_2 =$
6.621058520156334e-01 第483次迭代 $f(x_{483}) = 3.455040444811891e-02$, $x_1 =$
8.145724608993800e-01, $x_2 = 6.622358847118225e-01$ 第484次迭代 $f(x_{484})$
 $= 3.444667302791492e-02$, $x_1 = 8.144233737075658e-01$, $x_2 = 6.630027869555541e-01$ 第485次迭
代 $f(x_{485}) = 3.434363797252710e-02$, $x_1 = 8.151163127966772e-01$, $x_2 = 6.631431468263291e-01$
第486次迭代 $f(x_{486}) = 3.423993122200873e-02$, $x_1 = 8.149774439201973e-01$, $x_2 =$
6.639316222574868e-01 第487次迭代 $f(x_{487}) = 3.413678420507378e-02$, $x_1 =$
8.156648893243557e-01, $x_2 = 6.640548147007846e-01$ 第488次迭代 $f(x_{488})$
 $= 3.403309471646987e-02$, $x_1 = 8.155356615689520e-01$, $x_2 = 6.648534139914126e-01$ 第489次迭
代 $f(x_{489}) = 3.393024165874435e-02$, $x_1 = 8.162293810268926e-01$, $x_2 = 6.649710325258062e-01$
第490次迭代 $f(x_{490}) = 3.382801692940251e-02$, $x_1 = 8.160940902181376e-01$, $x_2 =$
6.657520126046408e-01 第491次迭代 $f(x_{491}) = 3.372659519262208e-02$, $x_1 =$
8.167751635031482e-01, $x_2 = 6.658756561453272e-01$ 第492次迭代 $f(x_{492})$
 $= 3.362458804290321e-02$, $x_1 = 8.166458146530242e-01$, $x_2 = 6.666689169514221e-01$ 第493次迭
代 $f(x_{493}) = 3.352324398723688e-02$, $x_1 = 8.173367125881845e-01$, $x_2 = 6.667848400306352e-01$
第494次迭代 $f(x_{494}) = 3.342286753498135e-02$, $x_1 = 8.171978007631200e-01$, $x_2 =$
6.675627763527086e-01 第495次迭代 $f(x_{495}) = 3.332272008258330e-02$, $x_1 =$
8.178796440797585e-01, $x_2 = 6.676825398153643e-01$ 第496次迭代 $f(x_{496})$
 $= 3.322282580656572e-02$, $x_1 = 8.177465522725814e-01$, $x_2 = 6.684543434127259e-01$ 第497次迭
代 $f(x_{497}) = 3.312374494358864e-02$, $x_1 = 8.184212241328460e-01$, $x_2 = 6.685768006239470e-01$
第498次迭代 $f(x_{498}) = 3.302439806660609e-02$, $x_1 = 8.182886966371972e-01$, $x_2 =$
6.693640056574520e-01 第499次迭代 $f(x_{499}) = 3.292508571090372e-02$, $x_1 =$
8.189784639279872e-01, $x_2 = 6.694755676315425e-01$ 第500次迭代 $f(x_{500})$
 $= 3.282753012606539e-02$, $x_1 = 8.188336209143084e-01$, $x_2 = 6.702380348690911e-01$ 第501次迭
代 $f(x_{501}) = 3.272983794785947e-02$, $x_1 = 8.195064372806388e-01$, $x_2 = 6.703582758370243e-01$
第502次迭代 $f(x_{502}) = 3.263234085141194e-02$, $x_1 = 8.193729911990583e-01$, $x_2 =$
6.711226083652672e-01 第503次迭代 $f(x_{503}) = 3.253539148742621e-02$, $x_1 =$
8.200438543778226e-01, $x_2 = 6.712423819679567e-01$ 第504次迭代 $f(x_{504})$
 $= 3.243873446457633e-02$, $x_1 = 8.199092887764973e-01$, $x_2 = 6.720048641527566e-01$ 第505次迭
代 $f(x_{505}) = 3.234242685940562e-02$, $x_1 = 8.205798992637255e-01$, $x_2 = 6.721231434453354e-01$
第506次迭代 $f(x_{506}) = 3.224669794607236e-02$, $x_1 = 8.204447967613109e-01$, $x_2 =$

6.728722361740260e-01 第507次迭代 $f(x_{507}) = 3.215163444395808e-02$, $x_1 = 8.211040045926765e-01$, $x_2 = 6.729958206054012e-01$ 第508次迭代 $f(x_{508}) = 3.205618380825893e-02$, $x_1 = 8.209750729865419e-01$, $x_2 = 6.737498842129389e-01$ 第509次迭代 $f(x_{509}) = 3.196157180729380e-02$, $x_1 = 8.216373126711471e-01$, $x_2 = 6.738699919038279e-01$ 第510次迭代 $f(x_{510}) = 3.186722190410438e-02$, $x_1 = 8.215023171145849e-01$, $x_2 = 6.746252436395771e-01$ 第511次迭代 $f(x_{511}) = 3.177296523006848e-02$, $x_1 = 8.221692919544615e-01$, $x_2 = 6.747408516689792e-01$ 第512次迭代 $f(x_{512}) = 3.167975671194131e-02$, $x_1 = 8.220288686303797e-01$, $x_2 = 6.754858369427383e-01$ 第513次迭代 $f(x_{513}) = 3.158645128532983e-02$, $x_1 = 8.226893970908428e-01$, $x_2 = 6.756037543801083e-01$ 第514次迭代 $f(x_{514}) = 3.149379708279229e-02$, $x_1 = 8.225524559775178e-01$, $x_2 = 6.763442244265180e-01$ 第515次迭代 $f(x_{515}) = 3.140134153247806e-02$, $x_1 = 8.232082193274380e-01$, $x_2 = 6.764634354156475e-01$ 第516次迭代 $f(x_{516}) = 3.130931857958189e-02$, $x_1 = 8.230731221844965e-01$, $x_2 = 6.772003968734842e-01$ 第517次迭代 $f(x_{517}) = 3.121761892362587e-02$, $x_1 = 8.237257487891680e-01$, $x_2 = 6.773199195169146e-01$ 第518次迭代 $f(x_{518}) = 3.112630221220574e-02$, $x_1 = 8.235908995089257e-01$, $x_2 = 6.780543515773714e-01$ 第519次迭代 $f(x_{519}) = 3.103526966621859e-02$, $x_1 = 8.242419837034846e-01$, $x_2 = 6.781732264041530e-01$ 第520次迭代 $f(x_{520}) = 3.094473405367553e-02$, $x_1 = 8.241058099321430e-01$, $x_2 = 6.789060920006618e-01$ 第521次迭代 $f(x_{521}) = 3.085428305467312e-02$, $x_1 = 8.247569300843660e-01$, $x_2 = 6.790233709620448e-01$ 第522次迭代 $f(x_{522}) = 3.076459661959732e-02$, $x_1 = 8.246216294355032e-01$, $x_2 = 6.797358080029954e-01$ 第523次迭代 $f(x_{523}) = 3.067560156800066e-02$, $x_1 = 8.252754933298753e-01$, $x_2 = 6.798674173994005e-01$ 第524次迭代 $f(x_{524}) = 3.058719230723870e-02$, $x_1 = 8.251318066158110e-01$, $x_2 = 6.805542752888002e-01$ 第525次迭代 $f(x_{525}) = 3.049941127126772e-02$, $x_1 = 8.257980637855828e-01$, $x_2 = 6.807051196782224e-01$ 第526次迭代 $f(x_{526}) = 3.041208759005845e-02$, $x_1 = 8.256352743353172e-01$, $x_2 = 6.813731060780295e-01$ 第527次迭代 $f(x_{527}) = 3.032506862708107e-02$, $x_1 = 8.262881346442436e-01$, $x_2 = 6.815303758358663e-01$ 第528次迭代 $f(x_{528}) = 3.023831276657151e-02$, $x_1 = 8.261330920196421e-01$, $x_2 = 6.822024393818351e-01$ 第529次迭代 $f(x_{529}) = 3.015189316850168e-02$, $x_1 = 8.267892899998296e-01$, $x_2 = 6.823560174625763e-01$ 第530次迭代 $f(x_{530}) = 3.006584945233600e-02$, $x_1 = 8.266312605044461e-01$, $x_2 = 6.830170882648456e-01$ 第531次迭代 $f(x_{531}) = 2.998014120622864e-02$, $x_1 = 8.272771651760061e-01$, $x_2 = 6.831752228382372e-01$ 第532次迭代 $f(x_{532}) = 2.989465645316283e-02$, $x_1 = 8.271239267271585e-01$, $x_2 = 6.838421041778062e-01$ 第533次迭代 $f(x_{533}) = 2.980951633342995e-02$, $x_1 = 8.277759856434461e-01$, $x_2 = 6.839948656278305e-01$ 第534次迭代 $f(x_{534}) = 2.972475292471031e-02$, $x_1 = 8.276169518118878e-01$, $x_2 = 6.846525375431072e-01$ 第535次迭代 $f(x_{535}) = 2.964028402488399e-02$, $x_1 = 8.282616058601679e-01$, $x_2 = 6.848081227278676e-01$ 第536次迭代 $f(x_{536}) = 2.955612019554260e-02$, $x_1 = 8.281044822451625e-01$, $x_2 = 6.854732876539604e-01$ 第537次迭代 $f(x_{537}) = 2.947219332331344e-02$, $x_1 = 8.287581655525795e-01$, $x_2 = 6.85621788875473e-01$ 第538次迭代 $f(x_{538}) = 2.938869747832767e-02$, $x_1 = 8.285975216667015e-01$, $x_2 = 6.862594026056200e-01$ 第539次迭代 $f(x_{539}) = 2.930542414418953e-02$, $x_1 = 8.292537497783666e-01$, $x_2 = 6.864323825649146e-01$ 第540次迭代 $f(x_{540}) = 2.922245602977297e-02$, $x_1 = 8.290802533806029e-01$, $x_2 = 6.870758008028237e-01$ 第541次迭代 $f(x_{541}) = 2.913985577444220e-02$, $x_1 = 8.297159395158552e-01$, $x_2 = 6.872319011619865e-01$ 第542次迭代 $f(x_{542}) = 2.905753150512502e-02$, $x_1 = 8.295632115934622e-01$, $x_2 = 6.878779240684640e-01$ 第543次迭代 $f(x_{543}) = 2.897553360779317e-02$, $x_1 = 8.301971465156315e-01$, $x_2 = 6.880334655932259e-01$ 第544次迭代 $f(x_{544}) = 2.889381824711214e-02$, $x_1 = 8.300437112343937e-01$, $x_2 = 6.886779754566198e-01$ 第545次迭代 $f(x_{545}) = 2.881240959120258e-02$, $x_1 = 8.306772503124470e-01$, $x_2 = 6.888321505629221e-01$ 第546次迭代 $f(x_{546}) = 2.873130794160248e-02$, $x_1 = 8.305217638376051e-01$, $x_2 =$

6.894759624540793e-01 第547次迭代 $f(x_{547}) = 2.865047683566366e-02$, $x_1 =$
8.311562606997857e-01, $x_2 = 6.896279659569329e-01$ 第548次迭代 $f(x_{548})$
 $= 2.856999524588076e-02$, $x_1 = 8.309973738923951e-01$, $x_2 = 6.902718966829372e-01$ 第549次迭
代 $f(x_{549}) = 2.848973126729536e-02$, $x_1 = 8.316341941441677e-01$, $x_2 = 6.904209175463029e-01$
第550次迭代 $f(x_{550}) = 2.840982583853774e-02$, $x_1 = 8.314755419991123e-01$, $x_2 =$
6.910460790860183e-01 第551次迭代 $f(x_{551}) = 2.833017219103532e-02$, $x_1 =$
8.321110793687955e-01, $x_2 = 6.912110065142089e-01$ 第552次迭代 $f(x_{552})$
 $= 2.825081868285973e-02$, $x_1 = 8.319464377358712e-01$, $x_2 = 6.918379090479014e-01$ 第553次迭
代 $f(x_{553}) = 2.817177016939947e-02$, $x_1 = 8.325673602334569e-01$, $x_2 = 6.919933292854011e-01$
第554次迭代 $f(x_{554}) = 2.809298583675727e-02$, $x_1 = 8.324149348127245e-01$, $x_2 =$
6.926277132091557e-01 第555次迭代 $f(x_{555}) = 2.801447548703821e-02$, $x_1 =$
8.330420213618470e-01, $x_2 = 6.927778706832632e-01$ 第556次迭代 $f(x_{556})$
 $= 2.793629557082570e-02$, $x_1 = 8.328859049023466e-01$, $x_2 = 6.933960314183107e-01$ 第557次迭
代 $f(x_{557}) = 2.785836243944209e-02$, $x_1 = 8.335156999876706e-01$, $x_2 = 6.935595559061843e-01$
第558次迭代 $f(x_{558}) = 2.778071206274209e-02$, $x_1 = 8.333497769067020e-01$, $x_2 =$
6.941817609309539e-01 第559次迭代 $f(x_{559}) = 2.770334445039111e-02$, $x_1 =$
8.339689169112070e-01, $x_2 = 6.943335822970166e-01$ 第560次迭代 $f(x_{560})$
 $= 2.762629089462051e-02$, $x_1 = 8.338160274280318e-01$, $x_2 = 6.949462128992536e-01$ 第561次迭
代 $f(x_{561}) = 2.754946346885699e-02$, $x_1 = 8.344404469236834e-01$, $x_2 = 6.951097673657565e-01$
第562次迭代 $f(x_{562}) = 2.747292896221194e-02$, $x_1 = 8.342753234403468e-01$, $x_2 =$
6.957279037253492e-01 第563次迭代 $f(x_{563}) = 2.739666470499657e-02$, $x_1 =$
8.348916771823222e-01, $x_2 = 6.958783234478410e-01$ 第564次迭代 $f(x_{564})$
 $= 2.732070260855581e-02$, $x_1 = 8.347370074814949e-01$, $x_2 = 6.964884508733317e-01$ 第565次迭
代 $f(x_{565}) = 2.724500483048682e-02$, $x_1 = 8.353420606550658e-01$, $x_2 = 6.966441090158034e-01$
第566次迭代 $f(x_{566}) = 2.716955388256176e-02$, $x_1 = 8.351917272030361e-01$, $x_2 =$
6.972661674257695e-01 第567次迭代 $f(x_{567}) = 2.709436388126041e-02$, $x_1 =$
8.357786803332991e-01, $x_2 = 6.974047440629685e-01$ 第568次迭代 $f(x_{568})$
 $= 2.701892645318262e-02$, $x_1 = 8.356472071142481e-01$, $x_2 = 6.980400607715143e-01$ 第569次迭
代 $f(x_{569}) = 2.694404056082150e-02$, $x_1 = 8.362424451665629e-01$, $x_2 = 6.981722513111491e-01$
第570次迭代 $f(x_{570}) = 2.686945035273098e-02$, $x_1 = 8.361043947546114e-01$, $x_2 =$
6.987934139482492e-01 第571次迭代 $f(x_{571}) = 2.679530978589519e-02$, $x_1 =$
8.366881477494549e-01, $x_2 = 6.989310426938581e-01$ 第572次迭代 $f(x_{572})$
 $= 2.672099282300238e-02$, $x_1 = 8.365553384228234e-01$, $x_2 = 6.995633877879334e-01$ 第573次迭
代 $f(x_{573}) = 2.664710145507072e-02$, $x_1 = 8.371497711736103e-01$, $x_2 = 6.996932207287646e-01$
第574次迭代 $f(x_{574}) = 2.657364178474172e-02$, $x_1 = 8.370080496660292e-01$, $x_2 =$
7.003129216661483e-01 第575次迭代 $f(x_{575}) = 2.650043106178618e-02$, $x_1 =$
8.375933772422246e-01, $x_2 = 7.004467805423356e-01$ 第576次迭代 $f(x_{576})$
 $= 2.642735920327487e-02$, $x_1 = 8.374544162414925e-01$, $x_2 = 7.010790526383730e-01$ 第577次迭
代 $f(x_{577}) = 2.635427446259499e-02$, $x_1 = 8.380330534326998e-01$, $x_2 = 7.011994773655496e-01$
第578次迭代 $f(x_{578}) = 2.628137333310931e-02$, $x_1 = 8.379062056154704e-01$, $x_2 =$
7.018227042189784e-01 第579次迭代 $f(x_{579}) = 2.620911919241367e-02$, $x_1 =$
8.384913666587265e-01, $x_2 = 7.019538574732632e-01$ 第580次迭代 $f(x_{580})$
 $= 2.613717526216973e-02$, $x_1 = 8.383522297195221e-01$, $x_2 = 7.025666248287156e-01$ 第581次迭
代 $f(x_{581}) = 2.606550288438339e-02$, $x_1 = 8.389319521981705e-01$, $x_2 = 7.026996309063891e-01$
第582次迭代 $f(x_{582}) = 2.599400765632463e-02$, $x_1 = 8.387960587682302e-01$, $x_2 =$
7.033086988348374e-01 第583次迭代 $f(x_{583}) = 2.592288536098768e-02$, $x_1 =$
8.393715487880485e-01, $x_2 = 7.034428436655333e-01$ 第584次迭代 $f(x_{584})$
 $= 2.585185593067648e-02$, $x_1 = 8.392377219234767e-01$, $x_2 = 7.040489210909040e-01$ 第585次迭
代 $f(x_{585}) = 2.578125465885487e-02$, $x_1 = 8.398101471378797e-01$, $x_2 = 7.041835145642413e-01$
第586次迭代 $f(x_{586}) = 2.571070552730432e-02$, $x_1 = 8.396732540125729e-01$, $x_2 =$

7.048054084050894e-01 第587次迭代 $f(x_{587}) = 2.564008323368471e-02$, $x_1 =$
8.402448015423455e-01, $x_2 = 7.049233936191658e-01$ 第588次迭代 $f(x_{588})$
 $= 2.556984973229221e-02$, $x_1 = 8.401140800193092e-01$, $x_2 = 7.055398277313881e-01$ 第589次迭
代 $f(x_{589}) = 2.549989670952015e-02$, $x_1 = 8.406785072580432e-01$, $x_2 = 7.056607292053849e-01$
第590次迭代 $f(x_{590}) = 2.543001257462292e-02$, $x_1 = 8.405527098968222e-01$, $x_2 =$
7.062724550459554e-01 第591次迭代 $f(x_{591}) = 2.536067780990561e-02$, $x_1 =$
8.411304642905194e-01, $x_2 = 7.063997834672849e-01$ 第592次迭代 $f(x_{592})$
 $= 2.529181675328055e-02$, $x_1 = 8.409885197139600e-01$, $x_2 = 7.069939984805140e-01$ 第593次迭
代 $f(x_{593}) = 2.522314628479258e-02$, $x_1 = 8.415545698718040e-01$, $x_2 = 7.071269328316216e-01$
第594次迭代 $f(x_{594}) = 2.515460592197981e-02$, $x_1 = 8.414195984808653e-01$, $x_2 =$
7.077249831536991e-01 第595次迭代 $f(x_{595}) = 2.508633315494810e-02$, $x_1 =$
8.419881853693336e-01, $x_2 = 7.078550699032251e-01$ 第596次迭代 $f(x_{596})$
 $= 2.501836288214854e-02$, $x_1 = 8.418511731484709e-01$, $x_2 = 7.084430008447583e-01$ 第597次迭
代 $f(x_{597}) = 2.495069350632385e-02$, $x_1 = 8.424104482994297e-01$, $x_2 = 7.085772785227074e-01$
第598次迭代 $f(x_{598}) = 2.488305239341206e-02$, $x_1 = 8.422781571735982e-01$, $x_2 =$
7.091703359152038e-01 第599次迭代 $f(x_{599}) = 2.481573869854926e-02$, $x_1 =$
8.428420893346453e-01, $x_2 = 7.093005222729724e-01$ 第600次迭代 $f(x_{600})$
 $= 2.474870166769562e-02$, $x_1 = 8.427056232906925e-01$, $x_2 = 7.098847988088101e-01$ 第601次迭
代 $f(x_{601}) = 2.468194076263443e-02$, $x_1 = 8.432624581163232e-01$, $x_2 = 7.100178706703749e-01$
第602次迭代 $f(x_{602}) = 2.461527214277363e-02$, $x_1 = 8.431285351956085e-01$, $x_2 =$
7.106085173570265e-01 第603次迭代 $f(x_{603}) = 2.454882756244364e-02$, $x_1 =$
8.436921669263870e-01, $x_2 = 7.107362462498186e-01$ 第604次迭代 $f(x_{604})$
 $= 2.448277104680370e-02$, $x_1 = 8.435519756981132e-01$, $x_2 = 7.113194220032077e-01$ 第605次迭
代 $f(x_{605}) = 2.441683544084494e-02$, $x_1 = 8.441106281950930e-01$, $x_2 = 7.114487917428854e-01$
第606次迭代 $f(x_{606}) = 2.435119128736086e-02$, $x_1 = 8.439734001170157e-01$, $x_2 =$
7.120285850328235e-01 第607次迭代 $f(x_{607}) = 2.428574080331852e-02$, $x_1 =$
8.445281732027480e-01, $x_2 = 7.121589486429936e-01$ 第608次迭代 $f(x_{608})$
 $= 2.422052051842592e-02$, $x_1 = 8.443928337344161e-01$, $x_2 = 7.127360025534288e-01$ 第609次迭
代 $f(x_{609}) = 2.415553328074303e-02$, $x_1 = 8.449447939513502e-01$, $x_2 = 7.128667336617778e-01$
第610次迭代 $f(x_{610}) = 2.409074849729585e-02$, $x_1 = 8.448102966494975e-01$, $x_2 =$
7.134416737187252e-01 第611次迭代 $f(x_{611}) = 2.402620421524586e-02$, $x_1 =$
8.453604870150125e-01, $x_2 = 7.135721607495950e-01$ 第612次迭代 $f(x_{612})$
 $= 2.396186693391206e-02$, $x_1 = 8.452258040125034e-01$, $x_2 = 7.141456005734557e-01$ 第613次迭
代 $f(x_{613}) = 2.389774655946719e-02$, $x_1 = 8.457752533546095e-01$, $x_2 = 7.142752412026691e-01$
第614次迭代 $f(x_{614}) = 2.383386939871892e-02$, $x_1 = 8.456393661836806e-01$, $x_2 =$
7.148477879437581e-01 第615次迭代 $f(x_{615}) = 2.377015482303074e-02$, $x_1 =$
8.461890981995647e-01, $x_2 = 7.149759837308314e-01$ 第616次迭代 $f(x_{616})$
 $= 2.370675128464221e-02$, $x_1 = 8.460509888212131e-01$, $x_2 = 7.155482433701650e-01$ 第617次迭
代 $f(x_{617}) = 2.364342506353459e-02$, $x_1 = 8.466020309936005e-01$, $x_2 = 7.156743944875980e-01$
第618次迭代 $f(x_{618}) = 2.358047894935900e-02$, $x_1 = 8.464649944219150e-01$, $x_2 =$
7.162294724037084e-01 第619次迭代 $f(x_{619}) = 2.351778859265021e-02$, $x_1 =$
8.470261982500883e-01, $x_2 = 7.163726188885703e-01$ 第620次迭代 $f(x_{620})$
 $= 2.345521141692098e-02$, $x_1 = 8.468766592561601e-01$, $x_2 = 7.169093194561141e-01$ 第621次迭
代 $f(x_{621}) = 2.339282497258946e-02$, $x_1 = 8.474374507590515e-01$, $x_2 = 7.170662885699257e-01$
第622次迭代 $f(x_{622}) = 2.333059519126821e-02$, $x_1 = 8.472827492589908e-01$, $x_2 =$
7.176045696722906e-01 第623次迭代 $f(x_{623}) = 2.326869101846724e-02$, $x_1 =$
8.478305943098459e-01, $x_2 = 7.177529357005397e-01$ 第624次迭代 $f(x_{624})$
 $= 2.320706381834443e-02$, $x_1 = 8.476904959841712e-01$, $x_2 = 7.182812037482488e-01$ 第625次迭
代 $f(x_{625}) = 2.314536816776293e-02$, $x_1 = 8.482504547993731e-01$, $x_2 = 7.184451196254085e-01$
第626次迭代 $f(x_{626}) = 2.308384387405534e-02$, $x_1 = 8.480963383302526e-01$, $x_2 =$

7.189653817820914e-01 第627次迭代 $f(x_{627}) = 2.302245940923986e-02$, $x_1 =$
8.486501581031133e-01, $x_2 = 7.191315223149312e-01$ 第628次迭代 $f(x_{628})$
 $= 2.296144574786403e-02$, $x_1 = 8.485003443810913e-01$, $x_2 = 7.196478738400655e-01$ 第629次迭
代 $f(x_{629}) = 2.290037444241282e-02$, $x_1 = 8.490655259470712e-01$, $x_2 = 7.198206676780016e-01$
第630次迭代 $f(x_{630}) = 2.283936301665773e-02$, $x_1 = 8.489094334155983e-01$, $x_2 =$
7.203155077996863e-01 第631次迭代 $f(x_{631}) = 2.277748239379850e-02$, $x_1 =$
8.494874379796854e-01, $x_2 = 7.205178219245751e-01$ 第632次迭代 $f(x_{632})$
 $= 2.271605168771763e-02$, $x_1 = 8.493203288017325e-01$, $x_2 = 7.210031382561937e-01$ 第633次迭
代 $f(x_{633}) = 2.265383524459327e-02$, $x_1 = 8.499098962297279e-01$, $x_2 = 7.212207944326582e-01$
第634次迭代 $f(x_{634}) = 2.259195690170680e-02$, $x_1 = 8.497336568113061e-01$, $x_2 =$
7.217011227247240e-01 第635次迭代 $f(x_{635}) = 2.252977876821858e-02$, $x_1 =$
8.503402531189664e-01, $x_2 = 7.219307702612852e-01$ 第636次迭代 $f(x_{636})$
 $= 2.246690315988473e-02$, $x_1 = 8.501543031774619e-01$, $x_2 = 7.223994300813076e-01$ 第637次迭
代 $f(x_{637}) = 2.240338147690296e-02$, $x_1 = 8.507656327080173e-01$, $x_2 = 7.226511400949989e-01$
第638次迭代 $f(x_{638}) = 2.234050269448916e-02$, $x_1 = 8.505752919961250e-01$, $x_2 =$
7.231211252763898e-01 第639次迭代 $f(x_{639}) = 2.227796459575041e-02$, $x_1 =$
8.511902234106535e-01, $x_2 = 7.233688769379620e-01$ 第640次迭代 $f(x_{640})$
 $= 2.221497110784670e-02$, $x_1 = 8.509943453753218e-01$, $x_2 = 7.238408619849014e-01$ 第641次迭
代 $f(x_{641}) = 2.215344625487702e-02$, $x_1 = 8.515957778541295e-01$, $x_2 = 7.240768035154175e-01$
第642次迭代 $f(x_{642}) = 2.209176569919266e-02$, $x_1 = 8.514099299210930e-01$, $x_2 =$
7.245417025165010e-01 第643次迭代 $f(x_{643}) = 2.202989676484461e-02$, $x_1 =$
8.520187011203404e-01, $x_2 = 7.247894293294169e-01$ 第644次迭代 $f(x_{644})$
 $= 2.196791568471419e-02$, $x_1 = 8.518252555263998e-01$, $x_2 = 7.252575427830754e-01$ 第645次迭
代 $f(x_{645}) = 2.190724776091598e-02$, $x_1 = 8.524115614556251e-01$, $x_2 = 7.254878808721071e-01$
第646次迭代 $f(x_{646}) = 2.184722991061875e-02$, $x_1 = 8.522304791557844e-01$, $x_2 =$
7.259591711771017e-01 第647次迭代 $f(x_{647}) = 2.178785492934075e-02$, $x_1 =$
8.528048798187363e-01, $x_2 = 7.261741125711912e-01$ 第648次迭代 $f(x_{648})$
 $= 2.172887921590601e-02$, $x_1 = 8.526309620129235e-01$, $x_2 = 7.266442089274493e-01$ 第649次迭
代 $f(x_{649}) = 2.167001550011335e-02$, $x_1 = 8.532051052460142e-01$, $x_2 = 7.268577051682443e-01$
第650次迭代 $f(x_{650}) = 2.161130742073959e-02$, $x_1 = 8.530296891724815e-01$, $x_2 =$
7.273274585567825e-01 第651次迭代 $f(x_{651}) = 2.155302041052237e-02$, $x_1 =$
8.536045520085410e-01, $x_2 = 7.275389453053521e-01$ 第652次迭代 $f(x_{652})$
 $= 2.149451056261930e-02$, $x_1 = 8.534266639009389e-01$, $x_2 = 7.280089288064945e-01$ 第653次迭
代 $f(x_{653}) = 2.143683328527452e-02$, $x_1 = 8.539882855511410e-01$, $x_2 = 7.282124212379927e-01$
第654次迭代 $f(x_{654}) = 2.137944200924661e-02$, $x_1 = 8.538176752024059e-01$, $x_2 =$
7.286857192736120e-01 第655次迭代 $f(x_{655}) = 2.132267190071938e-02$, $x_1 =$
8.543771052462237e-01, $x_2 = 7.288802174864722e-01$ 第656次迭代 $f(x_{656})$
 $= 2.126567366626210e-02$, $x_1 = 8.542070782323192e-01$, $x_2 = 7.293519648401371e-01$ 第657次迭
代 $f(x_{657}) = 2.120929958630354e-02$, $x_1 = 8.547500596360098e-01$, $x_2 = 7.295405248611380e-01$
第658次迭代 $f(x_{658}) = 2.115346464658895e-02$, $x_1 = 8.545892769634766e-01$, $x_2 =$
7.300197436574152e-01 第659次迭代 $f(x_{659}) = 2.109809015373298e-02$, $x_1 =$
8.551196665932232e-01, $x_2 = 7.301914768396237e-01$ 第660次迭代 $f(x_{660})$
 $= 2.104312463054501e-02$, $x_1 = 8.549715629718893e-01$, $x_2 = 7.306620952105896e-01$ 第661次迭
代 $f(x_{661}) = 2.098758415573093e-02$, $x_1 = 8.555132602451542e-01$, $x_2 = 7.308485846686236e-01$
第662次迭代 $f(x_{662}) = 2.093236441340558e-02$, $x_1 = 8.553504471465109e-01$, $x_2 =$
7.313265406158711e-01 第663次迭代 $f(x_{663}) = 2.087784238207833e-02$, $x_1 =$
8.558813433769454e-01, $x_2 = 7.314953037250553e-01$ 第664次迭代 $f(x_{664})$
 $= 2.082341596077460e-02$, $x_1 = 8.557295333933073e-01$, $x_2 = 7.319656514029754e-01$ 第665次迭
代 $f(x_{665}) = 2.076887130973642e-02$, $x_1 = 8.562734529090141e-01$, $x_2 = 7.321480492253404e-01$
第666次迭代 $f(x_{666}) = 2.071403789852499e-02$, $x_1 = 8.561111892828606e-01$, $x_2 =$

7.326093818393803e-01 第667次迭代 $f(x_{667})=2.065931530104336e-02$, $x_1 =$
8.566577405841119e-01, $x_2 = 7.328027110995766e-01$ 第668次迭代 $f(x_{668})$
 $=2.060456205054990e-02$, $x_1 = 8.564946631875400e-01$, $x_2 = 7.332547735306166e-01$ 第669次迭
代 $f(x_{669})=2.054940166387379e-02$, $x_1 = 8.570502078626417e-01$, $x_2 = 7.334638044309659e-01$
第670次迭代 $f(x_{670})=2.049430755269836e-02$, $x_1 = 8.568786846942206e-01$, $x_2 =$
7.339155552022050e-01 第671次迭代 $f(x_{671})=2.043966808982954e-02$, $x_1 =$
8.574346892383140e-01, $x_2 = 7.341227974898318e-01$ 第672次迭代 $f(x_{672})$
 $=2.038476719172784e-02$, $x_1 = 8.572610567008057e-01$, $x_2 = 7.345746302623851e-01$ 第673次迭
代 $f(x_{673})=2.033067868352512e-02$, $x_1 = 8.578039875564466e-01$, $x_2 = 7.347742451243726e-01$
第674次迭代 $f(x_{674})=2.027685312790407e-02$, $x_1 = 8.576396221900935e-01$, $x_2 =$
7.352236042157700e-01 第675次迭代 $f(x_{675})=2.022305385437071e-02$, $x_1 =$
8.581798114891775e-01, $x_2 = 7.354233606306452e-01$ 第676次迭代 $f(x_{676})$
 $=2.016962847770067e-02$, $x_1 = 8.580165858706492e-01$, $x_2 = 7.358709248524737e-01$ 第677次迭
代 $f(x_{677})=2.011616908551227e-02$, $x_1 = 8.585549046962659e-01$, $x_2 = 7.360703212427205e-01$
第678次迭代 $f(x_{678})=2.006308752238011e-02$, $x_1 = 8.583919590531828e-01$, $x_2 =$
7.365165950700496e-01 第679次迭代 $f(x_{679})=2.001001786195671e-02$, $x_1 =$
8.589292658135573e-01, $x_2 = 7.367151378563808e-01$ 第680次迭代 $f(x_{680})$
 $=1.995722536347158e-02$, $x_1 = 8.587657501460580e-01$, $x_2 = 7.371606194153916e-01$ 第681次迭
代 $f(x_{681})=1.990459533988613e-02$, $x_1 = 8.593028975739525e-01$, $x_2 = 7.373578189331594e-01$
第682次迭代 $f(x_{682})=1.985203790287832e-02$, $x_1 = 8.591379647111642e-01$, $x_2 =$
7.378030040426780e-01 第683次迭代 $f(x_{683})=1.979989035849388e-02$, $x_1 =$
8.596669271318390e-01, $x_2 = 7.379951450944869e-01$ 第684次迭代 $f(x_{684})$
 $=1.974804983787989e-02$, $x_1 = 8.595086031010920e-01$, $x_2 = 7.384353947015539e-01$ 第685次迭
代 $f(x_{685})=1.969589329478200e-02$, $x_1 = 8.600390920262706e-01$, $x_2 = 7.386336173777057e-01$
第686次迭代 $f(x_{686})=1.964418623381423e-02$, $x_1 = 8.598777214285259e-01$, $x_2 =$
7.390745247166505e-01 第687次迭代 $f(x_{687})=1.959261446571105e-02$, $x_1 =$
8.604105453677271e-01, $x_2 = 7.392699735197445e-01$ 第688次迭代 $f(x_{688})$
 $=1.954098705906125e-02$, $x_1 = 8.602452730131120e-01$, $x_2 = 7.397120371167470e-01$ 第689次迭
代 $f(x_{689})=1.949002466997858e-02$, $x_1 = 8.607724560132655e-01$, $x_2 = 7.399010397951371e-01$
第690次迭代 $f(x_{690})=1.943895448433028e-02$, $x_1 = 8.606113062000429e-01$, $x_2 =$
7.403396261077620e-01 第691次迭代 $f(x_{691})=1.938813780277560e-02$, $x_1 =$
8.611337022344340e-01, $x_2 = 7.405300325422242e-01$ 第692次迭代 $f(x_{692})$
 $=1.933756619404654e-02$, $x_1 = 8.609758083046999e-01$, $x_2 = 7.409656496821410e-01$ 第693次迭
代 $f(x_{693})=1.928693848966942e-02$, $x_1 = 8.615029719579864e-01$, $x_2 = 7.411601817458557e-01$
第694次迭代 $f(x_{694})=1.923630416408186e-02$, $x_1 = 8.613387945367639e-01$, $x_2 =$
7.415983447823821e-01 第695次迭代 $f(x_{695})=1.918640829927650e-02$, $x_1 =$
8.618486186305526e-01, $x_2 = 7.417800253588007e-01$ 第696次迭代 $f(x_{696})$
 $=1.913695599966916e-02$, $x_1 = 8.616968838730146e-01$, $x_2 = 7.422181375867689e-01$ 第697次迭
代 $f(x_{697})=1.908748318877149e-02$, $x_1 = 8.622073083123044e-01$, $x_2 = 7.423981613589601e-01$
第698次迭代 $f(x_{698})=1.903822894443653e-02$, $x_1 = 8.620534928681377e-01$, $x_2 =$
7.428363893688296e-01 第699次迭代 $f(x_{699})=1.898921664221287e-02$, $x_1 =$
8.625653015395882e-01, $x_2 = 7.430143084520318e-01$ 第700次迭代 $f(x_{700})$
 $=1.894012002761456e-02$, $x_1 = 8.624122910581756e-01$, $x_2 = 7.434428319778054e-01$ 第701次迭
代 $f(x_{701})=1.889068269962853e-02$, $x_1 = 8.629316616646745e-01$, $x_2 = 7.436363935210627e-01$
第702次迭代 $f(x_{702})=1.884135388062404e-02$, $x_1 = 8.627693622798432e-01$, $x_2 =$
7.440692117964444e-01 第703次迭代 $f(x_{703})=1.879279684267572e-02$, $x_1 =$
8.632746967766101e-01, $x_2 = 7.442482734483226e-01$ 第704次迭代 $f(x_{704})$
 $=1.874446354345667e-02$, $x_1 = 8.631215825369752e-01$, $x_2 = 7.446828531286765e-01$ 第705次迭
代 $f(x_{705})=1.869647426235483e-02$, $x_1 = 8.636305883027225e-01$, $x_2 = 7.448585042265248e-01$
第706次迭代 $f(x_{706})=1.864816385354202e-02$, $x_1 = 8.634760272407971e-01$, $x_2 =$

7.452847660429496e-01 第707次迭代 $f(x_{707}) = 1.859990261647266e-02$, $x_1 =$
8.639862966463546e-01, $x_2 = 7.454714455931737e-01$ 第708次迭代 $f(x_{708})$
 $= 1.855171386019985e-02$, $x_1 = 8.638287457017094e-01$, $x_2 = 7.458983841014761e-01$ 第709次迭
代 $f(x_{709}) = 1.850396947698196e-02$, $x_1 = 8.643274585107011e-01$, $x_2 = 7.460774203009700e-01$
第710次迭代 $f(x_{710}) = 1.845661069511641e-02$, $x_1 = 8.641766785722625e-01$, $x_2 =$
7.465074601928617e-01 第711次迭代 $f(x_{711}) = 1.840953543928268e-02$, $x_1 =$
8.646812491623481e-01, $x_2 = 7.466818405367496e-01$ 第712次迭代 $f(x_{712})$
 $= 1.836208531449050e-02$, $x_1 = 8.645268187194859e-01$, $x_2 = 7.471049173149568e-01$ 第713次迭
代 $f(x_{713}) = 1.831486927403593e-02$, $x_1 = 8.650211544896368e-01$, $x_2 = 7.472839447151747e-01$
第714次迭代 $f(x_{714}) = 1.826814642420173e-02$, $x_1 = 8.648719486120977e-01$, $x_2 =$
7.477109784823769e-01 第715次迭代 $f(x_{715}) = 1.822166450671516e-02$, $x_1 =$
8.653735496294631e-01, $x_2 = 7.478845502845258e-01$ 第716次迭代 $f(x_{716})$
 $= 1.817477925944165e-02$, $x_1 = 8.652192657591907e-01$, $x_2 = 7.483054976483210e-01$ 第717次迭
代 $f(x_{717}) = 1.812822563826273e-02$, $x_1 = 8.657121431832266e-01$, $x_2 = 7.484828500416366e-01$
第718次迭代 $f(x_{718}) = 1.808199724614963e-02$, $x_1 = 8.655615888487890e-01$, $x_2 =$
7.489085785846031e-01 第719次迭代 $f(x_{719}) = 1.803620561977587e-02$, $x_1 =$
8.660405595860610e-01, $x_2 = 7.490719241548077e-01$ 第720次迭代 $f(x_{720})$
 $= 1.799081191443453e-02$, $x_1 = 8.658985006987243e-01$, $x_2 = 7.495045361721980e-01$ 第721次迭
代 $f(x_{721}) = 1.794569899525631e-02$, $x_1 = 8.663735681721011e-01$, $x_2 = 7.496561870183609e-01$
第722次迭代 $f(x_{722}) = 1.790069839546327e-02$, $x_1 = 8.662354880820028e-01$, $x_2 =$
7.500854653080827e-01 第723次迭代 $f(x_{723}) = 1.785576906337251e-02$, $x_1 =$
8.667059518764926e-01, $x_2 = 7.502386444299985e-01$ 第724次迭代 $f(x_{724})$
 $= 1.781113401339998e-02$, $x_1 = 8.665711165589915e-01$, $x_2 = 7.506650169516732e-01$ 第725次迭
代 $f(x_{725}) = 1.776639734313062e-02$, $x_1 = 8.670516994915838e-01$, $x_2 = 7.508239415989525e-01$
第726次迭代 $f(x_{726}) = 1.772159481254974e-02$, $x_1 = 8.669092697116934e-01$, $x_2 =$
7.512409531058700e-01 第727次迭代 $f(x_{727}) = 1.767670589333538e-02$, $x_1 =$
8.673999057655160e-01, $x_2 = 7.514134685514188e-01$ 第728次迭代 $f(x_{728})$
 $= 1.763157227323141e-02$, $x_1 = 8.672483718648670e-01$, $x_2 = 7.518268647973525e-01$ 第729次迭
代 $f(x_{729}) = 1.758681685187296e-02$, $x_1 = 8.677346711220668e-01$, $x_2 = 7.520006530034611e-01$
第730次迭代 $f(x_{730}) = 1.754209948257833e-02$, $x_1 = 8.675861122007171e-01$, $x_2 =$
7.524113527147399e-01 第731次迭代 $f(x_{731}) = 1.749751314121244e-02$, $x_1 =$
8.680688117442527e-01, $x_2 = 7.525859928288570e-01$ 第732次迭代 $f(x_{732})$
 $= 1.745317053699136e-02$, $x_1 = 8.679225057595336e-01$, $x_2 = 7.529944158041023e-01$ 第733次迭
代 $f(x_{733}) = 1.740878692602671e-02$, $x_1 = 8.684023183028997e-01$, $x_2 = 7.531695014535086e-01$
第734次迭代 $f(x_{734}) = 1.736478018226158e-02$, $x_1 = 8.682575652881261e-01$, $x_2 =$
7.535760543184336e-01 第735次迭代 $f(x_{735}) = 1.732063155911650e-02$, $x_1 =$
8.687351845416174e-01, $x_2 = 7.537511905019803e-01$ 第736次迭代 $f(x_{736})$
 $= 1.727692376115253e-02$, $x_1 = 8.685913013533630e-01$, $x_2 = 7.541562697455551e-01$ 第737次迭
代 $f(x_{737}) = 1.723304149205756e-02$, $x_1 = 8.690674071311688e-01$, $x_2 = 7.543310698804407e-01$
第738次迭代 $f(x_{738}) = 1.718959717562377e-02$, $x_1 = 8.689237224286430e-01$, $x_2 =$
7.547350647521093e-01 第739次迭代 $f(x_{739}) = 1.714601221294066e-02$, $x_1 =$
8.693989855607015e-01, $x_2 = 7.549091478385614e-01$ 第740次迭代 $f(x_{740})$
 $= 1.710279686230616e-02$, $x_1 = 8.692548349549417e-01$, $x_2 = 7.553124431425536e-01$ 第741次迭
代 $f(x_{741}) = 1.705954020889903e-02$, $x_1 = 8.697299220637297e-01$, $x_2 = 7.554854310115401e-01$
第742次迭代 $f(x_{742}) = 1.701651978030576e-02$, $x_1 = 8.695846433776240e-01$, $x_2 =$
7.558884098323340e-01 第743次迭代 $f(x_{743}) = 1.697362295197902e-02$, $x_1 =$
8.700602215773626e-01, $x_2 = 7.560599244430743e-01$ 第744次迭代 $f(x_{744})$
 $= 1.693076341083390e-02$, $x_1 = 8.699131501598049e-01$, $x_2 = 7.564629708346650e-01$ 第745次迭
代 $f(x_{745}) = 1.688825890769806e-02$, $x_1 = 8.703898917338428e-01$, $x_2 = 7.566326315897908e-01$
第746次迭代 $f(x_{746}) = 1.684552576855743e-02$, $x_1 = 8.702403557726424e-01$, $x_2 =$

7.570361332605753e-01 第747次迭代 $f(x_{747}) = 1.680342470837274e-02$, $x_1 =$
8.706973446530764e-01, $x_2 = 7.571959987373063e-01$ 第748次迭代 $f(x_{748})$
 $= 1.676179093868071e-02$, $x_1 = 8.705589278210163e-01$, $x_2 = 7.576120830875541e-01$ 第749次迭
代 $f(x_{749}) = 1.672057705522254e-02$, $x_1 = 8.710126246838353e-01$, $x_2 = 7.577528601469676e-01$
第750次迭代 $f(x_{750}) = 1.667930662634804e-02$, $x_1 = 8.708786245409609e-01$, $x_2 =$
7.581654380774902e-01 第751次迭代 $f(x_{751}) = 1.663824709272245e-02$, $x_1 =$
8.713273301361533e-01, $x_2 = 7.583080381962336e-01$ 第752次迭代 $f(x_{752})$
 $= 1.659731629885804e-02$, $x_1 = 8.711970583137645e-01$, $x_2 = 7.587175090204911e-01$ 第753次迭
代 $f(x_{753}) = 1.655642363071961e-02$, $x_1 = 8.716498749397469e-01$, $x_2 = 7.588642793852810e-01$
第754次迭代 $f(x_{754}) = 1.651555994631839e-02$, $x_1 = 8.715131770678355e-01$, $x_2 =$
7.592764461058692e-01 第755次迭代 $f(x_{755}) = 1.647508910904796e-02$, $x_1 =$
8.719495663286090e-01, $x_2 = 7.594118768612127e-01$ 第756次迭代 $f(x_{756})$
 $= 1.643486960790922e-02$, $x_1 = 8.718240762548956e-01$, $x_2 = 7.598363427906250e-01$ 第757次迭
代 $f(x_{757}) = 1.639482370369115e-02$, $x_1 = 8.722520189002049e-01$, $x_2 = 7.599559611204638e-01$
第758次迭代 $f(x_{758}) = 1.635490938314291e-02$, $x_1 = 8.721347765339471e-01$, $x_2 =$
7.603868183350898e-01 第759次迭代 $f(x_{759}) = 1.631510792442623e-02$, $x_1 =$
8.725541422092663e-01, $x_2 = 7.604983153639676e-01$ 第760次迭代 $f(x_{760})$
 $= 1.627536741129723e-02$, $x_1 = 8.724426146321889e-01$, $x_2 = 7.609444356565376e-01$ 第761次迭
代 $f(x_{761}) = 1.623559147981452e-02$, $x_1 = 8.728534173937635e-01$, $x_2 = 7.610403937659573e-01$
第762次迭代 $f(x_{762}) = 1.619573510753728e-02$, $x_1 = 8.727532026363363e-01$, $x_2 =$
7.614984612442628e-01 第763次迭代 $f(x_{763}) = 1.615596251796113e-02$, $x_1 =$
8.731720241065235e-01, $x_2 = 7.615889846774953e-01$ 第764次迭代 $f(x_{764})$
 $= 1.611657932963338e-02$, $x_1 = 8.730676943624006e-01$, $x_2 = 7.620288159006411e-01$ 第765次迭
代 $f(x_{765}) = 1.607740360220493e-02$, $x_1 = 8.734939976971511e-01$, $x_2 = 7.621336557240003e-01$
第766次迭代 $f(x_{766}) = 1.603843015380863e-02$, $x_1 = 8.733777722470262e-01$, $x_2 =$
7.625597878066438e-01 第767次迭代 $f(x_{767}) = 1.599955488441529e-02$, $x_1 =$
8.737936648081002e-01, $x_2 = 7.626696982629003e-01$ 第768次迭代 $f(x_{768})$
 $= 1.596078765570038e-02$, $x_1 = 8.736864899661705e-01$, $x_2 = 7.630896537529737e-01$ 第769次迭
代 $f(x_{769}) = 1.592214196183607e-02$, $x_1 = 8.741068627539944e-01$, $x_2 = 7.632080563440233e-01$
第770次迭代 $f(x_{770}) = 1.588363006440312e-02$, $x_1 = 8.739899860210167e-01$, $x_2 =$
7.636325212987812e-01 第771次迭代 $f(x_{771}) = 1.584519858162377e-02$, $x_1 =$
8.744052979711876e-01, $x_2 = 7.637410055143491e-01$ 第772次迭代 $f(x_{772})$
 $= 1.580689042691945e-02$, $x_1 = 8.742963530826624e-01$, $x_2 = 7.641599425927793e-01$ 第773次迭
代 $f(x_{773}) = 1.576870541461441e-02$, $x_1 = 8.747172508033865e-01$, $x_2 = 7.642762303975019e-01$
第774次迭代 $f(x_{774}) = 1.573063022585998e-02$, $x_1 = 8.746014298794274e-01$, $x_2 =$
7.646862312903314e-01 第775次迭代 $f(x_{775}) = 1.569264828296141e-02$, $x_1 =$
8.750144357787419e-01, $x_2 = 7.648061240929280e-01$ 第776次迭代 $f(x_{776})$
 $= 1.565480119299167e-02$, $x_1 = 8.749015044168161e-01$, $x_2 = 7.652253189648880e-01$ 第777次迭
代 $f(x_{777}) = 1.561705653228087e-02$, $x_1 = 8.753111093528638e-01$, $x_2 = 7.653344508469297e-01$
第778次迭代 $f(x_{778}) = 1.557941086605410e-02$, $x_1 = 8.752043248466550e-01$, $x_2 =$
7.657491508317873e-01 第779次迭代 $f(x_{779}) = 1.554189080640463e-02$, $x_1 =$
8.756211205068184e-01, $x_2 = 7.658650855465283e-01$ 第780次迭代 $f(x_{780})$
 $= 1.550447818367733e-02$, $x_1 = 8.755059170340885e-01$, $x_2 = 7.662718328281705e-01$ 第781次迭
代 $f(x_{781}) = 1.546715940956373e-02$, $x_1 = 8.759165203766962e-01$, $x_2 = 7.663904086995548e-01$
第782次迭代 $f(x_{782}) = 1.542997845650059e-02$, $x_1 = 8.758025259572559e-01$, $x_2 =$
7.668072215261157e-01 第783次迭代 $f(x_{783}) = 1.539287463670852e-02$, $x_1 =$
8.762113763324018e-01, $x_2 = 7.669142024315264e-01$ 第784次迭代 $f(x_{784})$
 $= 1.535589418248438e-02$, $x_1 = 8.761019101192802e-01$, $x_2 = 7.673274554749056e-01$ 第785次迭
代 $f(x_{785}) = 1.531902933725812e-02$, $x_1 = 8.765056769906303e-01$, $x_2 = 7.674364807681525e-01$
第786次迭代 $f(x_{786}) = 1.528224931677378e-02$, $x_1 = 8.764001232369086e-01$, $x_2 =$

7.678465295069333e-01 第787次迭代 $f(x_{787}) = 1.524559919173294e-02$, $x_1 =$
8.768131517886623e-01, $x_2 = 7.679610673523669e-01$ 第788次迭代 $f(x_{788})$
 $= 1.520903938903486e-02$, $x_1 = 8.766971703929597e-01$, $x_2 = 7.683644419601587e-01$ 第789次迭
代 $f(x_{789}) = 1.517259038309698e-02$, $x_1 = 8.771061828170650e-01$, $x_2 = 7.684803901904023e-01$
第790次迭代 $f(x_{790}) = 1.513625656066473e-02$, $x_1 = 8.769930806456252e-01$, $x_2 =$
7.688811867808119e-01 第791次迭代 $f(x_{791}) = 1.510000885939770e-02$, $x_1 =$
8.773986473486872e-01, $x_2 = 7.689982226055452e-01$ 第792次迭代 $f(x_{792})$
 $= 1.506389572387858e-02$, $x_1 = 8.772878677912429e-01$, $x_2 = 7.693967619009735e-01$ 第793次迭
代 $f(x_{793}) = 1.502784961888933e-02$, $x_1 = 8.776905385539584e-01$, $x_2 = 7.695145745753336e-01$
第794次迭代 $f(x_{794}) = 1.499194780219491e-02$, $x_1 = 8.775777927758348e-01$, $x_2 =$
7.699248149317357e-01 第795次迭代 $f(x_{795}) = 1.495610807798318e-02$, $x_1 =$
8.779818488485990e-01, $x_2 = 7.700294552381208e-01$ 第796次迭代 $f(x_{796})$
 $= 1.492040904609863e-02$, $x_1 = 8.778704129463576e-01$, $x_2 = 7.704379896811077e-01$ 第797次迭
代 $f(x_{797}) = 1.488478047223840e-02$, $x_1 = 8.782725774975254e-01$, $x_2 = 7.705428723302828e-01$
第798次迭代 $f(x_{798}) = 1.484928499361021e-02$, $x_1 = 8.781619233215515e-01$, $x_2 =$
7.709500045805395e-01 第799次迭代 $f(x_{799}) = 1.481386336133574e-02$, $x_1 =$
8.785627227529248e-01, $x_2 = 7.710548328594030e-01$ 第800次迭代 $f(x_{800})$
 $= 1.477857236166010e-02$, $x_1 = 8.784523313088047e-01$, $x_2 = 7.714608611287318e-01$ 第801次迭
代 $f(x_{801}) = 1.474335375989273e-02$, $x_1 = 8.788522844283337e-01$, $x_2 = 7.715653429205331e-01$
第802次迭代 $f(x_{802}) = 1.470826834291095e-02$, $x_1 = 8.787416426924627e-01$, $x_2 =$
7.719705617268597e-01 第803次迭代 $f(x_{803}) = 1.467324911982340e-02$, $x_1 =$
8.791412638552484e-01, $x_2 = 7.720744077203289e-01$ 第804次迭代 $f(x_{804})$
 $= 1.463837052451710e-02$, $x_1 = 8.790335680088427e-01$, $x_2 = 7.724656452617382e-01$ 第805次迭
代 $f(x_{805}) = 1.460354746637512e-02$, $x_1 = 8.794296663410976e-01$, $x_2 = 7.725820313940883e-01$
第806次迭代 $f(x_{806}) = 1.456886230719158e-02$, $x_1 = 8.793207380990499e-01$, $x_2 =$
7.729730541287320e-01 第807次迭代 $f(x_{807}) = 1.453424697000839e-02$, $x_1 =$
8.797174937475256e-01, $x_2 = 7.730882175939768e-01$ 第808次迭代 $f(x_{808})$
 $= 1.449975228616431e-02$, $x_1 = 8.796068365217253e-01$, $x_2 = 7.734793097302568e-01$ 第809次迭
代 $f(x_{809}) = 1.446534637725808e-02$, $x_1 = 8.800047518799600e-01$, $x_2 = 7.735929689122212e-01$
第810次迭代 $f(x_{810}) = 1.443103936110970e-02$, $x_1 = 8.798918629555044e-01$, $x_2 =$
7.739844178424993e-01 第811次迭代 $f(x_{811}) = 1.439684488557964e-02$, $x_1 =$
8.802914480421130e-01, $x_2 = 7.740962870622006e-01$ 第812次迭代 $f(x_{812})$
 $= 1.436272286514421e-02$, $x_1 = 8.801758155782897e-01$, $x_2 = 7.744883850584168e-01$ 第813次迭
代 $f(x_{813}) = 1.432871790400207e-02$, $x_1 = 8.805642240375714e-01$, $x_2 = 7.745945202303189e-01$
第814次迭代 $f(x_{814}) = 1.429480071444958e-02$, $x_1 = 8.804587032377882e-01$, $x_2 =$
7.749912162291213e-01 第815次迭代 $f(x_{815}) = 1.426097639813083e-02$, $x_1 =$
8.808497254777726e-01, $x_2 = 7.750950617439855e-01$ 第816次迭代 $f(x_{816})$
 $= 1.422727498786969e-02$, $x_1 = 8.807405091107467e-01$, $x_2 = 7.754929221113652e-01$ 第817次迭
代 $f(x_{817}) = 1.419362895872241e-02$, $x_1 = 8.811346776081316e-01$, $x_2 = 7.755941802238626e-01$
第818次迭代 $f(x_{818}) = 1.416010504583938e-02$, $x_1 = 8.810250011588794e-01$, $x_2 =$
7.759802261428848e-01 第819次迭代 $f(x_{819}) = 1.412667663369669e-02$, $x_1 =$
8.814190959876053e-01, $x_2 = 7.760918738174147e-01$ 第820次迭代 $f(x_{820})$
 $= 1.409332782517107e-02$, $x_1 = 8.813047801801962e-01$, $x_2 = 7.764796523656237e-01$ 第821次迭
代 $f(x_{821}) = 1.406008650541026e-02$, $x_1 = 8.816897444986237e-01$, $x_2 = 7.765845306736607e-01$
第822次迭代 $f(x_{822}) = 1.402694321118288e-02$, $x_1 = 8.815834837874534e-01$, $x_2 =$
7.769779702303613e-01 第823次迭代 $f(x_{823}) = 1.399387358133914e-02$, $x_1 =$
8.819729721919635e-01, $x_2 = 7.770794906448030e-01$ 第824次迭代 $f(x_{824})$
 $= 1.396091872130316e-02$, $x_1 = 8.818648116650138e-01$, $x_2 = 7.774620287525100e-01$ 第825次迭
代 $f(x_{825}) = 1.392805541843406e-02$, $x_1 = 8.822556952081508e-01$, $x_2 = 7.775730262734273e-01$
第826次迭代 $f(x_{826}) = 1.389526989116769e-02$, $x_1 = 8.821415118022508e-01$, $x_2 =$

7.779580859274149e-01 第827次迭代 $f(x_{827}) = 1.386258570131305e-02$, $x_1 = 8.825247418789913e-01$, $x_2 = 7.780615709262440e-01$ 第828次迭代 $f(x_{828}) = 1.383001107669867e-02$, $x_1 = 8.824206991900171e-01$, $x_2 = 7.784400361273427e-01$ 第829次迭代 $f(x_{829}) = 1.379749755837529e-02$, $x_1 = 8.828063001439443e-01$, $x_2 = 7.785523927939592e-01$ 第830次迭代 $f(x_{830}) = 1.376508916603612e-02$, $x_1 = 8.826954190117071e-01$, $x_2 = 7.789338448551127e-01$ 第831次迭代 $f(x_{831}) = 1.373277812882574e-02$, $x_1 = 8.830743523232022e-01$, $x_2 = 7.790381925317704e-01$ 第832次迭代 $f(x_{832}) = 1.370056212413400e-02$, $x_1 = 8.829690333467941e-01$, $x_2 = 7.794265888304115e-01$ 第833次迭代 $f(x_{833}) = 1.366841473581817e-02$, $x_1 = 8.833547625560306e-01$, $x_2 = 7.795263120251753e-01$ 第834次迭代 $f(x_{834}) = 1.363637269937764e-02$, $x_1 = 8.832452796054268e-01$, $x_2 = 7.799052454909772e-01$ 第835次迭代 $f(x_{835}) = 1.360442458004856e-02$, $x_1 = 8.836217802084250e-01$, $x_2 = 7.800094110111688e-01$ 第836次迭代 $f(x_{836}) = 1.357257018025662e-02$, $x_1 = 8.835168979019014e-01$, $x_2 = 7.803957813264626e-01$ 第837次迭代 $f(x_{837}) = 1.354077601444443e-02$, $x_1 = 8.838796613615076e-01$, $x_2 = 7.804893130059427e-01$ 第838次迭代 $f(x_{838}) = 1.350880998741468e-02$, $x_1 = 8.837870282034080e-01$, $x_2 = 7.808963398904530e-01$ 第839次迭代 $f(x_{839}) = 1.347681170292891e-02$, $x_1 = 8.841532198710060e-01$, $x_2 = 7.809763481788828e-01$ 第840次迭代 $f(x_{840}) = 1.344498974715129e-02$, $x_1 = 8.840621088512091e-01$, $x_2 = 7.813815531649534e-01$ 第841次迭代 $f(x_{841}) = 1.341320428230347e-02$, $x_1 = 8.844262148384647e-01$, $x_2 = 7.814620366037409e-01$ 第842次迭代 $f(x_{842}) = 1.338153824051282e-02$, $x_1 = 8.843361543654159e-01$, $x_2 = 7.818656894041750e-01$ 第843次迭代 $f(x_{843}) = 1.334995078393551e-02$, $x_1 = 8.846986442510589e-01$, $x_2 = 7.819463848510015e-01$ 第844次迭代 $f(x_{844}) = 1.331845216265965e-02$, $x_1 = 8.846091728588138e-01$, $x_2 = 7.823487492103820e-01$ 第845次迭代 $f(x_{845}) = 1.328704854780623e-02$, $x_1 = 8.849705073075462e-01$, $x_2 = 7.824293987858616e-01$ 第846次迭代 $f(x_{846}) = 1.325572866209559e-02$, $x_1 = 8.848811709424225e-01$, $x_2 = 7.828307340176763e-01$ 第847次迭代 $f(x_{847}) = 1.322449520666233e-02$, $x_1 = 8.852418043759495e-01$, $x_2 = 7.829110835916330e-01$ 第848次迭代 $f(x_{848}) = 1.319336532021900e-02$, $x_1 = 8.851521537700406e-01$, $x_2 = 7.833116460641063e-01$ 第849次迭代 $f(x_{849}) = 1.316228867565831e-02$, $x_1 = 8.855125369628728e-01$, $x_2 = 7.833914437866281e-01$ 第850次迭代 $f(x_{850}) = 1.313136013903297e-02$, $x_1 = 8.854221250687542e-01$, $x_2 = 7.837914883718128e-01$ 第851次迭代 $f(x_{851}) = 1.310042714716954e-02$, $x_1 = 8.857827076939373e-01$, $x_2 = 7.838704832347989e-01$ 第852次迭代 $f(x_{852}) = 1.306971153662073e-02$, $x_1 = 8.856910871559353e-01$, $x_2 = 7.842702647348712e-01$ 第853次迭代 $f(x_{853}) = 1.303890449721416e-02$, $x_1 = 8.860438603007504e-01$, $x_2 = 7.843463798022159e-01$ 第854次迭代 $f(x_{854}) = 1.300802736628912e-02$, $x_1 = 8.859592350816327e-01$, $x_2 = 7.847584996804282e-01$ 第855次迭代 $f(x_{855}) = 1.297704999822077e-02$, $x_1 = 8.863166570654323e-01$, $x_2 = 7.848281930156029e-01$ 第856次迭代 $f(x_{856}) = 1.294646543169090e-02$, $x_1 = 8.862311391749756e-01$, $x_2 = 7.852292308453311e-01$ 第857次迭代 $f(x_{857}) = 1.291597145280770e-02$, $x_1 = 8.865830657441741e-01$, $x_2 = 7.853044774538920e-01$ 第858次迭代 $f(x_{858}) = 1.288549375663813e-02$, $x_1 = 8.864997396844672e-01$, $x_2 = 7.857033321650146e-01$ 第859次迭代 $f(x_{859}) = 1.285523073385760e-02$, $x_1 = 8.868489258049054e-01$, $x_2 = 7.857794554066373e-01$ 第860次迭代 $f(x_{860}) = 1.282486975999629e-02$, $x_1 = 8.867648850924634e-01$, $x_2 = 7.861882998348273e-01$ 第861次迭代 $f(x_{861}) = 1.279439156451136e-02$, $x_1 = 8.871087282744576e-01$, $x_2 = 7.862551261386135e-01$ 第862次迭代 $f(x_{862}) = 1.276362385633525e-02$, $x_1 = 8.870345247172876e-01$, $x_2 = 7.866745158829825e-01$ 第863次迭代 $f(x_{863}) = 1.273306679870728e-02$, $x_1 = 8.873829748594780e-01$, $x_2 = 7.867381044375091e-01$ 第864次迭代 $f(x_{864}) = 1.270276385940062e-02$, $x_1 = 8.873066559390417e-01$, $x_2 = 7.871406469330220e-01$ 第865次迭代 $f(x_{865}) = 1.267289059523410e-02$, $x_1 = 8.876568202920704e-01$, $x_2 = 7.872142101203020e-01$ 第866次迭代 $f(x_{866}) = 1.264318825092536e-02$, $x_1 = 8.875712570298402e-01$, $x_2 =$

7.876105153696633e-01 第867次迭代 $f(x_{867}) = 1.261348461327835e-02$, $x_1 =$
8.879204307972449e-01, $x_2 = 7.876839788239418e-01$ 第868次迭代 $f(x_{868})$
 $= 1.258395346278274e-02$, $x_1 = 8.878348768925615e-01$, $x_2 = 7.880793445597943e-01$ 第869次迭
代 $f(x_{869}) = 1.255440450190622e-02$, $x_1 = 8.881834909960166e-01$, $x_2 = 7.881524680975772e-01$
第870次迭代 $f(x_{870}) = 1.252505612589397e-02$, $x_1 = 8.880991201450337e-01$, $x_2 =$
7.885397914513412e-01 第871次迭代 $f(x_{871}) = 1.249588093858332e-02$, $x_1 =$
8.884480488181191e-01, $x_2 = 7.886185262299117e-01$ 第872次迭代 $f(x_{872})$
 $= 1.246684722316485e-02$, $x_1 = 8.883609880318599e-01$, $x_2 = 7.889960829586687e-01$ 第873次迭
代 $f(x_{873}) = 1.243799860015508e-02$, $x_1 = 8.887147116349061e-01$, $x_2 = 7.890818332552075e-01$
第874次迭代 $f(x_{874}) = 1.240932407582709e-02$, $x_1 = 8.886212350750321e-01$, $x_2 =$
7.894453433140419e-01 第875次迭代 $f(x_{875}) = 1.238077986466611e-02$, $x_1 =$
8.889832830578230e-01, $x_2 = 7.895424890410847e-01$ 第876次迭代 $f(x_{876})$
 $= 1.235231842462961e-02$, $x_1 = 8.888771130781385e-01$, $x_2 = 7.899019622682864e-01$ 第877次迭
代 $f(x_{877}) = 1.232392537443267e-02$, $x_1 = 8.892192231762248e-01$, $x_2 = 7.899928793697644e-01$
第878次迭代 $f(x_{878}) = 1.229540563740885e-02$, $x_1 = 8.891307660927666e-01$, $x_2 =$
7.903686243714616e-01 第879次迭代 $f(x_{879}) = 1.226698014025872e-02$, $x_1 =$
8.894714227912290e-01, $x_2 = 7.904493854806101e-01$ 第880次迭代 $f(x_{880})$
 $= 1.223847488276999e-02$, $x_1 = 8.893862263755359e-01$, $x_2 = 7.908327035268634e-01$ 第881次迭
代 $f(x_{881}) = 1.221002343220385e-02$, $x_1 = 8.897251643256369e-01$, $x_2 = 7.909074190368690e-01$
第882次迭代 $f(x_{882}) = 1.218153546446397e-02$, $x_1 = 8.896431967184132e-01$, $x_2 =$
7.912943882221170e-01 第883次迭代 $f(x_{883}) = 1.215314425069900e-02$, $x_1 =$
8.899844359528183e-01, $x_2 = 7.913671727165987e-01$ 第884次迭代 $f(x_{884})$
 $= 1.212491889825523e-02$, $x_1 = 8.899007881267501e-01$, $x_2 = 7.917478438291232e-01$ 第885次迭
代 $f(x_{885}) = 1.209680569921072e-02$, $x_1 = 8.902371408914588e-01$, $x_2 = 7.918227353995704e-01$
第886次迭代 $f(x_{886}) = 1.206861810786230e-02$, $x_1 = 8.901558954410621e-01$, $x_2 =$
7.922074946163659e-01 第887次迭代 $f(x_{887}) = 1.204054089066618e-02$, $x_1 =$
8.904953330079011e-01, $x_2 = 7.922800207517821e-01$ 第888次迭代 $f(x_{888})$
 $= 1.201263675494323e-02$, $x_1 = 8.904116207693062e-01$, $x_2 = 7.926589609700693e-01$ 第889次迭
代 $f(x_{889}) = 1.198480980631928e-02$, $x_1 = 8.907469907187296e-01$, $x_2 = 7.927331378525131e-01$
第890次迭代 $f(x_{890}) = 1.195697030161374e-02$, $x_1 = 8.906648688838933e-01$, $x_2 =$
7.931165944255523e-01 第891次迭代 $f(x_{891}) = 1.192915465848109e-02$, $x_1 =$
8.910041202154894e-01, $x_2 = 7.931879648535535e-01$ 第892次迭代 $f(x_{892})$
 $= 1.190161292385341e-02$, $x_1 = 8.909187571326579e-01$, $x_2 = 7.935660736969959e-01$ 第893次迭
代 $f(x_{893}) = 1.187402213155025e-02$, $x_1 = 8.912547276812576e-01$, $x_2 = 7.936386572232125e-01$
第894次迭代 $f(x_{894}) = 1.184656933225982e-02$, $x_1 = 8.911717146985790e-01$, $x_2 =$
7.940145823169297e-01 第895次迭代 $f(x_{895}) = 1.181918829905214e-02$, $x_1 =$
8.915048325120520e-01, $x_2 = 7.940881403944592e-01$ 第896次迭代 $f(x_{896})$
 $= 1.179183563357915e-02$, $x_1 = 8.914237527154925e-01$, $x_2 = 7.944621185247999e-01$ 第897次迭
代 $f(x_{897}) = 1.176465029304024e-02$, $x_1 = 8.917544307995060e-01$, $x_2 = 7.945364212224801e-01$
第898次迭代 $f(x_{898}) = 1.173740264485143e-02$, $x_1 = 8.916733723545736e-01$, $x_2 =$
7.949157410266579e-01 第899次迭代 $f(x_{899}) = 1.171017853239562e-02$, $x_1 =$
8.920056038447810e-01, $x_2 = 7.949856011003138e-01$ 第900次迭代 $f(x_{900})$
 $= 1.168310007599290e-02$, $x_1 = 8.919240992236933e-01$, $x_2 = 7.953642896958212e-01$ 第901次迭
代 $f(x_{901}) = 1.165600022698102e-02$, $x_1 = 8.922562560536511e-01$, $x_2 = 7.954335792651492e-01$
第902次迭代 $f(x_{902}) = 1.162909942007087e-02$, $x_1 = 8.921754504426969e-01$, $x_2 =$
7.958048155340676e-01 第903次迭代 $f(x_{903}) = 1.160233703882890e-02$, $x_1 =$
8.925043094406868e-01, $x_2 = 7.958782780937085e-01$ 第904次迭代 $f(x_{904})$
 $= 1.157557610368333e-02$, $x_1 = 8.924238913759204e-01$, $x_2 = 7.962484438518096e-01$ 第905次迭
代 $f(x_{905}) = 1.154896100427190e-02$, $x_1 = 8.927518526640666e-01$, $x_2 = 7.963217951667367e-01$
第906次迭代 $f(x_{906}) = 1.152234960535748e-02$, $x_1 = 8.926714466299255e-01$, $x_2 =$

7.966911030758747e-01 第907次迭代 $f(x_{907}) = 1.149587033352236e-02$, $x_1 =$
8.929988864052183e-01, $x_2 = 7.967641346826566e-01$ 第908次迭代 $f(x_{908})$
 $= 1.146941810221388e-02$, $x_1 = 8.929181201687214e-01$, $x_2 = 7.971327953860674e-01$ 第909次迭
代 $f(x_{909}) = 1.144306342789396e-02$, $x_1 = 8.932454121886002e-01$, $x_2 = 7.972053003499714e-01$
第910次迭代 $f(x_{910}) = 1.141678006939791e-02$, $x_1 = 8.931639148716047e-01$, $x_2 =$
7.975735235514040e-01 第911次迭代 $f(x_{911}) = 1.139053887712227e-02$, $x_1 =$
8.934914323694503e-01, $x_2 = 7.976452953938559e-01$ 第912次迭代 $f(x_{912})$
 $= 1.136443427794697e-02$, $x_1 = 8.934088325437921e-01$, $x_2 = 7.980132909224411e-01$ 第913次迭
代 $f(x_{913}) = 1.133829545974494e-02$, $x_1 = 8.937369501287821e-01$, $x_2 = 7.980841225586994e-01$
第914次迭代 $f(x_{914}) = 1.131237584675374e-02$, $x_1 = 8.936554442492588e-01$, $x_2 =$
7.984408517826826e-01 第915次迭代 $f(x_{915}) = 1.128663371091009e-02$, $x_1 =$
8.939800514681066e-01, $x_2 = 7.985191259622565e-01$ 第916次迭代 $f(x_{916})$
 $= 1.126087976086140e-02$, $x_1 = 8.938974807053985e-01$, $x_2 = 7.988756421755085e-01$ 第917次迭
代 $f(x_{917}) = 1.123524673615647e-02$, $x_1 = 8.942226619397218e-01$, $x_2 = 7.989529827420967e-01$
第918次迭代 $f(x_{918}) = 1.120966567328855e-02$, $x_1 = 8.941386672530512e-01$, $x_2 =$
7.993094884482704e-01 第919次迭代 $f(x_{919}) = 1.118413354810949e-02$, $x_1 =$
8.944647854578907e-01, $x_2 = 7.993856950923760e-01$ 第920次迭代 $f(x_{920})$
 $= 1.115873291304375e-02$, $x_1 = 8.943790036557001e-01$, $x_2 = 7.997423949375754e-01$ 第921次迭
代 $f(x_{921}) = 1.113328933609916e-02$, $x_1 = 8.946987585711564e-01$, $x_2 = 7.998155112986346e-01$
第922次迭代 $f(x_{922}) = 1.110780300011408e-02$, $x_1 = 8.946196558760059e-01$, $x_2 =$
8.001774133591761e-01 第923次迭代 $f(x_{923}) = 1.108241156386663e-02$, $x_1 =$
8.949417774186964e-01, $x_2 = 8.002486136226991e-01$ 第924次迭代 $f(x_{924})$
 $= 1.105716016420904e-02$, $x_1 = 8.948594339403930e-01$, $x_2 = 8.006114950278318e-01$ 第925次迭
代 $f(x_{925}) = 1.103180071641544e-02$, $x_1 = 8.951806151463007e-01$, $x_2 = 8.006797735246967e-01$
第926次迭代 $f(x_{926}) = 1.100663157738668e-02$, $x_1 = 8.951002992820846e-01$, $x_2 =$
8.010407054050518e-01 第927次迭代 $f(x_{927}) = 1.098146343833182e-02$, $x_1 =$
8.954226502703581e-01, $x_2 = 8.011105940016794e-01$ 第928次迭代 $f(x_{928})$
 $= 1.095653030393902e-02$, $x_1 = 8.953409464316945e-01$, $x_2 = 8.014618358738941e-01$ 第929次迭
代 $f(x_{929}) = 1.093169031133176e-02$, $x_1 = 8.956623286396402e-01$, $x_2 = 8.015376523093186e-01$
第930次迭代 $f(x_{930}) = 1.090697170715158e-02$, $x_1 = 8.955771151398831e-01$, $x_2 =$
8.018900591910212e-01 第931次迭代 $f(x_{931}) = 1.088217457466083e-02$, $x_1 =$
8.958939505774962e-01, $x_2 = 8.019618543639808e-01$ 第932次迭代 $f(x_{932})$
 $= 1.085742291175815e-02$, $x_1 = 8.958135674146396e-01$, $x_2 = 8.023203871452808e-01$ 第933次迭
代 $f(x_{933}) = 1.083262272895987e-02$, $x_1 = 8.961308599629197e-01$, $x_2 = 8.023885175969361e-01$
第934次迭代 $f(x_{934}) = 1.080799112752549e-02$, $x_1 = 8.960510750717713e-01$, $x_2 =$
8.027459081673829e-01 第935次迭代 $f(x_{935}) = 1.078333211168999e-02$, $x_1 =$
8.963672879205508e-01, $x_2 = 8.028140641535670e-01$ 第936次迭代 $f(x_{936})$
 $= 1.075882982865148e-02$, $x_1 = 8.962877512378830e-01$, $x_2 = 8.031705100257807e-01$ 第937次迭
代 $f(x_{937}) = 1.073430102329124e-02$, $x_1 = 8.966032345992452e-01$, $x_2 = 8.032384981841847e-01$
第938次迭代 $f(x_{938}) = 1.070993721148395e-02$, $x_1 = 8.965236001986074e-01$, $x_2 =$
8.035941944055914e-01 第939次迭代 $f(x_{939}) = 1.068552792935197e-02$, $x_1 =$
8.968387008963363e-01, $x_2 = 8.036618234058638e-01$ 第940次迭代 $f(x_{940})$
 $= 1.066131173448881e-02$, $x_1 = 8.967586252681038e-01$, $x_2 = 8.040169635182701e-01$ 第941次迭
代 $f(x_{941}) = 1.063701145662096e-02$, $x_1 = 8.970736884428311e-01$, $x_2 = 8.040840431104501e-01$
第942次迭代 $f(x_{942}) = 1.061294698177567e-02$, $x_1 = 8.969953007999045e-01$, $x_2 =$
8.044279740466942e-01 第943次迭代 $f(x_{943}) = 1.058904284479113e-02$, $x_1 =$
8.973099730696205e-01, $x_2 = 8.045033629155091e-01$ 第944次迭代 $f(x_{944})$
 $= 1.056523830914086e-02$, $x_1 = 8.972258043173935e-01$, $x_2 = 8.048497355714617e-01$ 第945次迭
代 $f(x_{945}) = 1.054132167907012e-02$, $x_1 = 8.975383567746114e-01$, $x_2 = 8.049198664535731e-01$
第946次迭代 $f(x_{946}) = 1.051753851451795e-02$, $x_1 = 8.974590251191784e-01$, $x_2 =$

8.052627904672217e-01 第947次迭代 $f(x_{947}) = 1.049385712407725e-02$, $x_1 =$
8.977737064739238e-01, $x_2 = 8.053370068434290e-01$ 第948次迭代 $f(x_{948})$
 $= 1.047033881643719e-02$, $x_1 = 8.976923077700647e-01$, $x_2 = 8.056650678681536e-01$ 第949次迭
代 $f(x_{949}) = 1.044696962720731e-02$, $x_1 = 8.980043692359675e-01$, $x_2 = 8.057495713009947e-01$
第950次迭代 $f(x_{950}) = 1.042360668640446e-02$, $x_1 = 8.979201979457576e-01$, $x_2 =$
8.060784540278622e-01 第951次迭代 $f(x_{951}) = 1.040033061158666e-02$, $x_1 =$
8.982345937247492e-01, $x_2 = 8.061610609158746e-01$ 第952次迭代 $f(x_{952})$
 $= 1.037712706321096e-02$, $x_1 = 8.981473001427628e-01$, $x_2 = 8.064909609578840e-01$ 第953次迭
代 $f(x_{953}) = 1.035394020969988e-02$, $x_1 = 8.984643877170231e-01$, $x_2 = 8.065714753119853e-01$
第954次迭代 $f(x_{954}) = 1.033088110775144e-02$, $x_1 = 8.983766297415523e-01$, $x_2 =$
8.068915787849423e-01 第955次迭代 $f(x_{955}) = 1.030790298166809e-02$, $x_1 =$
8.986833732094834e-01, $x_2 = 8.069772511031472e-01$ 第956次迭代 $f(x_{956})$
 $= 1.028487495119840e-02$, $x_1 = 8.986022754861782e-01$, $x_2 = 8.073022992812504e-01$ 第957次迭
代 $f(x_{957}) = 1.026198101926133e-02$, $x_1 = 8.989122263227343e-01$, $x_2 = 8.073855962876647e-01$
第958次迭代 $f(x_{958}) = 1.023912011919742e-02$, $x_1 = 8.988271291209108e-01$, $x_2 =$
8.077121541956879e-01 第959次迭代 $f(x_{959}) = 1.021630635843046e-02$, $x_1 =$
8.991406652152718e-01, $x_2 = 8.077928689393367e-01$ 第960次迭代 $f(x_{960})$
 $= 1.019360272369026e-02$, $x_1 = 8.990541603986972e-01$, $x_2 = 8.081102293805186e-01$ 第961次迭
代 $f(x_{961}) = 1.017098275199613e-02$, $x_1 = 8.993583979579128e-01$, $x_2 = 8.081955226666891e-01$
第962次迭代 $f(x_{962}) = 1.014831400268786e-02$, $x_1 = 8.992775724676464e-01$, $x_2 =$
8.085183119001218e-01 第963次迭代 $f(x_{963}) = 1.012576962733025e-02$, $x_1 =$
8.995859066466199e-01, $x_2 = 8.086007431697464e-01$ 第964次迭代 $f(x_{964})$
 $= 1.010327707777195e-02$, $x_1 = 8.995001815465947e-01$, $x_2 = 8.089255460734618e-01$ 第965次迭
代 $f(x_{965}) = 1.008079797185332e-02$, $x_1 = 8.998016216022434e-01$, $x_2 = 8.090019985020582e-01$
第966次迭代 $f(x_{966}) = 1.005826098438300e-02$, $x_1 = 8.997223380912095e-01$, $x_2 =$
8.093374511894748e-01 第967次迭代 $f(x_{967}) = 1.003571945364606e-02$, $x_1 =$
9.000250991241542e-01, $x_2 = 8.094069107046210e-01$ 第968次迭代 $f(x_{968})$
 $= 1.001327641716649e-02$, $x_1 = 8.999470315754765e-01$, $x_2 = 8.097409548276608e-01$ 第969次迭
代 $f(x_{969}) = 9.990873855936522e-03$, $x_1 = 9.002481347049467e-01$, $x_2 = 8.098107856008299e-01$
第970次迭代 $f(x_{970}) = 9.968531258965749e-03$, $x_1 = 9.001709652080768e-01$, $x_2 =$
8.101435998750157e-01 第971次迭代 $f(x_{971}) = 9.946259424835804e-03$, $x_1 =$
9.004707271061920e-01, $x_2 = 8.102136276849429e-01$ 第972次迭代 $f(x_{972})$
 $= 9.924023560815958e-03$, $x_1 = 9.003941444110992e-01$, $x_2 = 8.105453869968918e-01$ 第973次迭
代 $f(x_{973}) = 9.901874552974891e-03$, $x_1 = 9.006928757561258e-01$, $x_2 = 8.106154410679964e-01$
第974次迭代 $f(x_{974}) = 9.879751585428127e-03$, $x_1 = 9.006165737845939e-01$, $x_2 =$
8.109463173039576e-01 第975次迭代 $f(x_{975}) = 9.857717771925047e-03$, $x_1 =$
9.009145807266064e-01, $x_2 = 8.110162294903723e-01$ 第976次迭代 $f(x_{976})$
 $= 9.835713797218957e-03$, $x_1 = 9.008382571314035e-01$, $x_2 = 8.113463923372386e-01$ 第977次迭
代 $f(x_{977}) = 9.813787746732692e-03$, $x_1 = 9.011358427152988e-01$, $x_2 = 8.114159963314903e-01$
第978次迭代 $f(x_{978}) = 9.791908855431236e-03$, $x_1 = 9.010591974757390e-01$, $x_2 =$
8.117456140566798e-01 第979次迭代 $f(x_{979}) = 9.770083272435753e-03$, $x_1 =$
9.013566630328479e-01, $x_2 = 8.118147446167490e-01$ 第980次迭代 $f(x_{980})$
 $= 9.748335610173986e-03$, $x_1 = 9.012793970757501e-01$, $x_2 = 8.121439848330757e-01$ 第981次迭
代 $f(x_{981}) = 9.726603272472887e-03$, $x_1 = 9.015770435948656e-01$, $x_2 = 8.122124770218080e-01$
第982次迭代 $f(x_{982}) = 9.704993101276487e-03$, $x_1 = 9.014988574302675e-01$, $x_2 =$
8.125415074432539e-01 第983次迭代 $f(x_{983}) = 9.683346798937684e-03$, $x_1 =$
9.017969869186052e-01, $x_2 = 8.126091958742755e-01$ 第984次迭代 $f(x_{984})$
 $= 9.661880559911009e-03$, $x_1 = 9.017175792798341e-01$, $x_2 = 8.129381850684296e-01$ 第985次迭
代 $f(x_{985}) = 9.640306216377341e-03$, $x_1 = 9.020130886703371e-01$, $x_2 = 8.130041426108915e-01$
第986次迭代 $f(x_{986}) = 9.618872989657783e-03$, $x_1 = 9.019372610158084e-01$, $x_2 =$

8.133304416197736e-01 第987次迭代 $f(x_{987}) = 9.597489942848383e-03$, $x_1 =$
9.022321539908530e-01, $x_2 = 8.133988546502823e-01$ 第988次迭代 $f(x_{988})$
 $= 9.576212123955964e-03$, $x_1 = 9.021545311348973e-01$, $x_2 = 8.137254339304723e-01$ 第989次迭
代 $f(x_{989}) = 9.554894412452634e-03$, $x_1 = 9.024507896889969e-01$, $x_2 = 8.137925599830513e-01$
第990次迭代 $f(x_{990}) = 9.533778982725928e-03$, $x_1 = 9.023710647816091e-01$, $x_2 =$
8.141195908091172e-01 第991次迭代 $f(x_{991}) = 9.512509229648157e-03$, $x_1 =$
9.026656043962215e-01, $x_2 = 8.141845109766845e-01$ 第992次迭代 $f(x_{992})$
 $= 9.491444643617633e-03$, $x_1 = 9.025885692995850e-01$, $x_2 = 8.145093513088143e-01$ 第993次迭
代 $f(x_{993}) = 9.470347473323620e-03$, $x_1 = 9.028833724390211e-01$, $x_2 = 8.145762256899441e-01$
第994次迭代 $f(x_{994}) = 9.449455496613317e-03$, $x_1 = 9.028077376199374e-01$, $x_2 =$
8.148851863613236e-01 第995次迭代 $f(x_{995}) = 9.428715980252023e-03$, $x_1 =$
9.031037561149348e-01, $x_2 = 8.149652532690560e-01$ 第996次迭代 $f(x_{996})$
 $= 9.408033904927690e-03$, $x_1 = 9.030216591740379e-01$, $x_2 = 8.152682471075213e-01$ 第997次迭
代 $f(x_{997}) = 9.387420539429387e-03$, $x_1 = 9.033140168905177e-01$, $x_2 = 8.153497850656747e-01$
第998次迭代 $f(x_{998}) = 9.366821175338415e-03$, $x_1 = 9.032321469685547e-01$, $x_2 =$
8.156608659525139e-01 第999次迭代 $f(x_{999}) = 9.346218243829141e-03$, $x_1 =$
9.035227004627338e-01, $x_2 = 8.157340052207631e-01$ 第1000次迭代 $f(x_{1000})$
 $= 9.325660826124443e-03$, $x_1 = 9.034460922633250e-01$, $x_2 = 8.160415289921121e-01$ 第1001次
迭代 $f(x_{1001}) = 9.305224579405138e-03$, $x_1 = 9.037418276999053e-01$, $x_2 =$
8.161200944651877e-01 第1002次迭代 $f(x_{1002}) = 9.284869543350525e-03$, $x_1 =$
9.036579680630823e-01, $x_2 = 8.164221548635890e-01$ 第1003次迭代 $f(x_{1003})$
 $= 9.264551666532608e-03$, $x_1 = 9.039508616377107e-01$, $x_2 = 8.165017429037503e-01$ 第1004次
迭代 $f(x_{1004}) = 9.244288917253764e-03$, $x_1 = 9.038691523674248e-01$, $x_2 =$
8.168019889535291e-01 第1005次迭代 $f(x_{1005}) = 9.224086253720594e-03$, $x_1 =$
9.041595084198772e-01, $x_2 = 8.168824325231813e-01$ 第1006次迭代 $f(x_{1006})$
 $= 9.203916703577638e-03$, $x_1 = 9.040796526573670e-01$, $x_2 = 8.171810303816966e-01$ 第1007次
迭代 $f(x_{1007}) = 9.183826321201793e-03$, $x_1 = 9.043677646166421e-01$, $x_2 =$
8.172621685770266e-01 第1008次迭代 $f(x_{1008}) = 9.163745336877792e-03$, $x_1 =$
9.042867813746864e-01, $x_2 = 8.175695036771111e-01$ 第1009次迭代 $f(x_{1009})$
 $= 9.143652274891721e-03$, $x_1 = 9.045744431499013e-01$, $x_2 = 8.176416094569130e-01$ 第1010次
迭代 $f(x_{1010}) = 9.123626616034714e-03$, $x_1 = 9.044973118989715e-01$, $x_2 =$
8.179461778499717e-01 第1011次迭代 $f(x_{1011}) = 9.103686618582248e-03$, $x_1 =$
9.047807602965566e-01, $x_2 = 8.180200876319658e-01$ 第1012次迭代 $f(x_{1012})$
 $= 9.083720578833819e-03$, $x_1 = 9.047071311142502e-01$, $x_2 = 8.183220850684253e-01$ 第1013次
迭代 $f(x_{1013}) = 9.063908553201645e-03$, $x_1 = 9.049972837845195e-01$, $x_2 =$
8.184004671236655e-01 第1014次迭代 $f(x_{1014}) = 9.044162758427107e-03$, $x_1 =$
9.049149630579261e-01, $x_2 = 8.186979283566815e-01$ 第1015次迭代 $f(x_{1015})$
 $= 9.024453930664126e-03$, $x_1 = 9.052039326321298e-01$, $x_2 = 8.187764255492734e-01$ 第1016次
迭代 $f(x_{1016}) = 9.004805753614011e-03$, $x_1 = 9.051221329730655e-01$, $x_2 =$
8.190729830781347e-01 第1017次迭代 $f(x_{1017}) = 8.985197816719333e-03$, $x_1 =$
9.054101879117177e-01, $x_2 = 8.191514487698237e-01$ 第1018次迭代 $f(x_{1018})$
 $= 8.965648224238218e-03$, $x_1 = 9.053286444964923e-01$, $x_2 = 8.194472504241137e-01$ 第1019次
迭代 $f(x_{1019}) = 8.946138973899774e-03$, $x_1 = 9.056160496734854e-01$, $x_2 =$
8.195255400486635e-01 第1020次迭代 $f(x_{1020}) = 8.926688963067999e-03$, $x_1 =$
9.055345006754073e-01, $x_2 = 8.198207319011518e-01$ 第1021次迭代 $f(x_{1021})$
 $= 8.907276281690616e-03$, $x_1 = 9.058215185046024e-01$, $x_2 = 8.198987023412909e-01$ 第1022次
迭代 $f(x_{1022}) = 8.887926891667163e-03$, $x_1 = 9.057397039799888e-01$, $x_2 =$
8.201934293232204e-01 第1023次迭代 $f(x_{1023}) = 8.868608733663554e-03$, $x_1 =$
9.060265955189697e-01, $x_2 = 8.202709383008866e-01$ 第1024次迭代 $f(x_{1024})$
 $= 8.849361058018311e-03$, $x_1 = 9.059442563119280e-01$, $x_2 = 8.205653448062299e-01$ 第1025次

迭代 $f(x_{1025}) = 8.830135436140977e-03$, $x_1 = 9.062312823507731e-01$, $x_2 = 8.206422502817646e-01$ 第1026次迭代 $f(x_{1026}) = 8.810990635840650e-03$, $x_1 = 9.061481590090051e-01$, $x_2 = 8.209364807647294e-01$ 第1027次迭代 $f(x_{1027}) = 8.791854909819220e-03$, $x_1 = 9.064251057096357e-01$, $x_2 = 8.210098646143907e-01$ 第1028次迭代 $f(x_{1028}) = 8.772676034378849e-03$, $x_1 = 9.063526965543685e-01$, $x_2 = 8.213061368473092e-01$ 第1029次迭代 $f(x_{1029}) = 8.753644030415128e-03$, $x_1 = 9.066382824096323e-01$, $x_2 = 8.213827807436970e-01$ 第1030次迭代 $f(x_{1030}) = 8.734692763865931e-03$, $x_1 = 9.065553094517789e-01$, $x_2 = 8.216757186574938e-01$ 第1031次迭代 $f(x_{1031}) = 8.715742777857230e-03$, $x_1 = 9.068313642722269e-01$, $x_2 = 8.217485805928326e-01$ 第1032次迭代 $f(x_{1032}) = 8.696764086441579e-03$, $x_1 = 9.067585567955894e-01$, $x_2 = 8.220438273519345e-01$ 第1033次迭代 $f(x_{1033}) = 8.677917133126161e-03$, $x_1 = 9.070333436788489e-01$, $x_2 = 8.221168825831203e-01$ 第1034次迭代 $f(x_{1034}) = 8.659027278516715e-03$, $x_1 = 9.069611603806570e-01$, $x_2 = 8.224111666074206e-01$ 第1035次迭代 $f(x_{1035}) = 8.640277834734103e-03$, $x_1 = 9.072452875379828e-01$, $x_2 = 8.224870426435078e-01$ 第1036次迭代 $f(x_{1036}) = 8.621617375942244e-03$, $x_1 = 9.071618543770670e-01$, $x_2 = 8.227784321916238e-01$ 第1037次迭代 $f(x_{1037}) = 8.602933682040719e-03$, $x_1 = 9.074372418987350e-01$, $x_2 = 8.228501529600877e-01$ 第1038次迭代 $f(x_{1038}) = 8.584259936321514e-03$, $x_1 = 9.073631836993238e-01$, $x_2 = 8.231442339082082e-01$ 第1039次迭代 $f(x_{1039}) = 8.565668082569373e-03$, $x_1 = 9.076380470866895e-01$, $x_2 = 8.232157429969691e-01$ 第1040次迭代 $f(x_{1040}) = 8.547091076831617e-03$, $x_1 = 9.075638773672930e-01$, $x_2 = 8.235092709856662e-01$ 第1041次迭代 $f(x_{1041}) = 8.528587382977909e-03$, $x_1 = 9.078384639219900e-01$, $x_2 = 8.235804338234699e-01$ 第1042次迭代 $f(x_{1042}) = 8.510109818612409e-03$, $x_1 = 9.077639375685379e-01$, $x_2 = 8.238735452835749e-01$ 第1043次迭代 $f(x_{1043}) = 8.491690672700619e-03$, $x_1 = 9.080384936752094e-01$, $x_2 = 8.239442278873441e-01$ 第1044次迭代 $f(x_{1044}) = 8.473315303261425e-03$, $x_1 = 9.079633659492358e-01$, $x_2 = 8.242370589481115e-01$ 第1045次迭代 $f(x_{1045}) = 8.454977135289010e-03$, $x_1 = 9.082381380784530e-01$, $x_2 = 8.243071273709228e-01$ 第1046次迭代 $f(x_{1046}) = 8.436706792712936e-03$, $x_1 = 9.081621636173347e-01$, $x_2 = 8.245998144096212e-01$ 第1047次迭代 $f(x_{1047}) = 8.418446048959707e-03$, $x_1 = 9.084373993240071e-01$, $x_2 = 8.246691341917675e-01$ 第1048次迭代 $f(x_{1048}) = 8.400283670678672e-03$, $x_1 = 9.083603311420907e-01$, $x_2 = 8.249618143821786e-01$ 第1049次迭代 $f(x_{1049}) = 8.382092040079399e-03$, $x_1 = 9.086298174004982e-01$, $x_2 = 8.250286472537958e-01$ 第1050次迭代 $f(x_{1050}) = 8.363910548231376e-03$, $x_1 = 9.085568630248879e-01$, $x_2 = 8.253319332304986e-01$ 第1051次迭代 $f(x_{1051}) = 8.345599282558439e-03$, $x_1 = 9.088236678621594e-01$, $x_2 = 8.253905843639402e-01$ 第1052次迭代 $f(x_{1052}) = 8.327315428326940e-03$, $x_1 = 9.087566878118311e-01$, $x_2 = 8.256982395569199e-01$ 第1053次迭代 $f(x_{1053}) = 8.309037715648794e-03$, $x_1 = 9.090249999151258e-01$, $x_2 = 8.257555995689178e-01$ 第1054次迭代 $f(x_{1054}) = 8.290908790610615e-03$, $x_1 = 9.089579650977743e-01$, $x_2 = 8.260543600968716e-01$ 第1055次迭代 $f(x_{1055}) = 8.272910825843229e-03$, $x_1 = 9.092267283999973e-01$, $x_2 = 8.261177091994579e-01$ 第1056次迭代 $f(x_{1056}) = 8.255006449890381e-03$, $x_1 = 9.091540599313080e-01$, $x_2 = 8.264189209026703e-01$ 第1057次迭代 $f(x_{1057}) = 8.236957262640088e-03$, $x_1 = 9.094194374977630e-01$, $x_2 = 8.264769773865415e-01$ 第1058次迭代 $f(x_{1058}) = 8.218973337121162e-03$, $x_1 = 9.093519567733079e-01$, $x_2 = 8.267829379503021e-01$ 第1059次迭代 $f(x_{1059}) = 8.200936823484392e-03$, $x_1 = 9.096195780615652e-01$, $x_2 = 8.268393038057239e-01$ 第1060次迭代 $f(x_{1060}) = 8.183115684296209e-03$, $x_1 = 9.095513402399915e-01$, $x_2 = 8.271368198282925e-01$ 第1061次迭代 $f(x_{1061}) = 8.165349183985928e-03$, $x_1 = 9.098201354545961e-01$, $x_2 = 8.271987345036272e-01$ 第1062次迭代 $f(x_{1062}) = 8.147745849129216e-03$, $x_1 =$

9.097493341253572e-01, x2 = 8.274837522746782e-01 第1063次迭代 f(x_1063)
=8.130242178506162e-03, x1 = 9.100163063295578e-01, x2 = 8.275536825432617e-01 第1064次
迭代 f(x_1064) =8.112767445262882e-03, x1 = 9.099425653893873e-01, x2 =
8.278397187643424e-01 第1065次迭代 f(x_1065) =8.095311028514770e-03, x1 =
9.102058076290040e-01, x2 = 8.279061578022732e-01 第1066次迭代 f(x_1066)
=8.077842570785728e-03, x1 = 9.101341705621229e-01, x2 = 8.282036641176223e-01 第1067次
迭代 f(x_1067) =8.060233481392924e-03, x1 = 9.103966508838328e-01, x2 =
8.282610511691305e-01 第1068次迭代 f(x_1068) =8.042716706707483e-03, x1 =
9.103309947628689e-01, x2 = 8.285546617664340e-01 第1069次迭代 f(x_1069)
=8.025333635641646e-03, x1 = 9.105956089976508e-01, x2 = 8.286170139816179e-01 第1070次
迭代 f(x_1070) =8.008061722137555e-03, x1 = 9.105264793472397e-01, x2 =
8.288987565955870e-01 第1071次迭代 f(x_1071) =7.990910822159417e-03, x1 =
9.107902551015158e-01, x2 = 8.289685184055291e-01 第1072次迭代 f(x_1072)
=7.973777509613882e-03, x1 = 9.107173161947348e-01, x2 = 8.292517613505523e-01 第1073次
迭代 f(x_1073) =7.956661069329693e-03, x1 = 9.109783043604653e-01, x2 =
8.293175669917930e-01 第1074次迭代 f(x_1074) =7.939548784112349e-03, x1 =
9.109101756775849e-01, x2 = 8.295975987769584e-01 第1075次迭代 f(x_1075)
=7.922572303143733e-03, x1 = 9.111721929823512e-01, x2 = 8.296673764771108e-01 第1076次
迭代 f(x_1076) =7.905603355133101e-03, x1 = 9.110998392739396e-01, x2 =
8.299491387775720e-01 第1077次迭代 f(x_1077) =7.888656295989213e-03, x1 =
9.113595265035822e-01, x2 = 8.300147352658173e-01 第1078次迭代 f(x_1078)
=7.871713571020057e-03, x1 = 9.112915112877881e-01, x2 = 8.302935490328155e-01 第1079次
迭代 f(x_1079) =7.85489959339786e-03, x1 = 9.115526693947733e-01, x2 =
8.303628550541200e-01 第1080次迭代 f(x_1080) =7.838105512402287e-03, x1 =
9.114799996913237e-01, x2 = 8.306436366988386e-01 第1081次迭代 f(x_1081)
=7.821311846419781e-03, x1 = 9.117392791954171e-01, x2 = 8.307085399295292e-01 第1082次
迭代 f(x_1082) =7.804548627715843e-03, x1 = 9.116705047464874e-01, x2 =
8.309866197370319e-01 第1083次迭代 f(x_1083) =7.787885798921833e-03, x1 =
9.119316911247568e-01, x2 = 8.310549735348449e-01 第1084次迭代 f(x_1084)
=7.771275648773631e-03, x1 = 9.118602703637207e-01, x2 = 8.313259439542674e-01 第1085次
迭代 f(x_1085) =7.754740424912492e-03, x1 = 9.121248939555098e-01, x2 =
8.313999291537905e-01 第1086次迭代 f(x_1086) =7.738266136990221e-03, x1 =
9.120503122161306e-01, x2 = 8.316591776843538e-01 第1087次迭代 f(x_1087)
=7.721789731687972e-03, x1 = 9.123178910673551e-01, x2 = 8.317439558722287e-01 第1088次
迭代 f(x_1088) =7.705370042357461e-03, x1 = 9.122386440751428e-01, x2 =
8.319972874728643e-01 第1089次迭代 f(x_1089) =7.688915095986149e-03, x1 =
9.125095146819123e-01, x2 = 8.320876956637648e-01 第1090次迭代 f(x_1090)
=7.672512168896148e-03, x1 = 9.124265870145395e-01, x2 = 8.323376281877813e-01 第1091次
迭代 f(x_1091) =7.656100661654383e-03, x1 = 9.126941412102064e-01, x2 =
8.324293236675328e-01 第1092次迭代 f(x_1092) =7.639807932755478e-03, x1 =
9.126120290164140e-01, x2 = 8.326832201498151e-01 第1093次迭代 f(x_1093)
=7.623558338658863e-03, x1 = 9.128760264573883e-01, x2 = 8.327684308962569e-01 第1094次
迭代 f(x_1094) =7.607383743516994e-03, x1 = 9.127957336229149e-01, x2 =
8.330287292011741e-01 第1095次迭代 f(x_1095) =7.591262374589920e-03, x1 =
9.130525740508612e-01, x2 = 8.331045790751950e-01 第1096次迭代 f(x_1096)
=7.575157476902152e-03, x1 = 9.129786818131644e-01, x2 = 8.333736235195228e-01 第1097次
迭代 f(x_1097) =7.559072531153706e-03, x1 = 9.132340068573475e-01, x2 =
8.334419600369016e-01 第1098次迭代 f(x_1098) =7.543010992858115e-03, x1 =
9.131620413659917e-01, x2 = 8.337172678254082e-01 第1099次迭代 f(x_1099)
=7.526918636793624e-03, x1 = 9.134174388217410e-01, x2 = 8.337802484534012e-01 第1100次

迭代 $f(x_{1100}) = 7.510910453080518e-03$, $x_1 = 9.133473845432184e-01$, $x_2 = 8.340539561373250e-01$ 第1101次迭代 $f(x_{1101}) = 7.494921413770035e-03$, $x_1 = 9.136005321658934e-01$, $x_2 = 8.341177228175826e-01$ 第1102次迭代 $f(x_{1102}) = 7.478969584780008e-03$, $x_1 = 9.135321538448065e-01$, $x_2 = 8.343899608123970e-01$ 第1103次迭代 $f(x_{1103}) = 7.463079470673672e-03$, $x_1 = 9.137832843949982e-01$, $x_2 = 8.344543872103922e-01$ 第1104次迭代 $f(x_{1104}) = 7.447186820499178e-03$, $x_1 = 9.137163548226978e-01$, $x_2 = 8.347252814560768e-01$ 第1105次迭代 $f(x_{1105}) = 7.431389350634164e-03$, $x_1 = 9.139716729553147e-01$, $x_2 = 8.347918033917590e-01$ 第1106次迭代 $f(x_{1106}) = 7.415661395396922e-03$, $x_1 = 9.138999014979200e-01$, $x_2 = 8.350570032509298e-01$ 第1107次迭代 $f(x_{1107}) = 7.399972097698976e-03$, $x_1 = 9.141514146830085e-01$, $x_2 = 8.351251549085275e-01$ 第1108次迭代 $f(x_{1108}) = 7.384292742715826e-03$, $x_1 = 9.140805051165678e-01$, $x_2 = 8.353971170460421e-01$ 第1109次迭代 $f(x_{1109}) = 7.368585979092056e-03$, $x_1 = 9.143331114427964e-01$, $x_2 = 8.354594180797004e-01$ 第1110次迭代 $f(x_{1110}) = 7.352972721046205e-03$, $x_1 = 9.142630473455401e-01$, $x_2 = 8.357303704128921e-01$ 第1111次迭代 $f(x_{1111}) = 7.337351086888039e-03$, $x_1 = 9.145144649705903e-01$, $x_2 = 8.357928832534561e-01$ 第1112次迭代 $f(x_{1112}) = 7.321806513456209e-03$, $x_1 = 9.144450343895210e-01$, $x_2 = 8.360629430995989e-01$ 第1113次迭代 $f(x_{1113}) = 7.306266414123716e-03$, $x_1 = 9.146954747126959e-01$, $x_2 = 8.361255534066344e-01$ 第1114次迭代 $f(x_{1114}) = 7.290793051014998e-03$, $x_1 = 9.146264695322268e-01$, $x_2 = 8.363948359162394e-01$ 第1115次迭代 $f(x_{1115}) = 7.275331024583196e-03$, $x_1 = 9.148761404816773e-01$, $x_2 = 8.364574313074392e-01$ 第1116次迭代 $f(x_{1116}) = 7.259931357211820e-03$, $x_1 = 9.148073556267976e-01$, $x_2 = 8.367260499006153e-01$ 第1117次迭代 $f(x_{1117}) = 7.244544049596165e-03$, $x_1 = 9.150564624452265e-01$, $x_2 = 8.367885195214322e-01$ 第1118次迭代 $f(x_{1118}) = 7.229220544134577e-03$, $x_1 = 9.149876951072857e-01$, $x_2 = 8.370565863114831e-01$ 第1119次迭代 $f(x_{1119}) = 7.213904685653788e-03$, $x_1 = 9.152364411173440e-01$, $x_2 = 8.371188204162725e-01$ 第1120次迭代 $f(x_{1120}) = 7.198659809726593e-03$, $x_1 = 9.151674899975141e-01$, $x_2 = 8.373864466232427e-01$ 第1121次迭代 $f(x_{1121}) = 7.183412192795856e-03$, $x_1 = 9.154160773517395e-01$, $x_2 = 8.374483361652517e-01$ 第1122次迭代 $f(x_{1122}) = 7.168248436067465e-03$, $x_1 = 9.153467419173960e-01$, $x_2 = 8.377156325220246e-01$ 第1123次迭代 $f(x_{1123}) = 7.153065893736714e-03$, $x_1 = 9.155953723373793e-01$, $x_2 = 8.377770687496606e-01$ 第1124次迭代 $f(x_{1124}) = 7.137985238198842e-03$, $x_1 = 9.155277783266104e-01$, $x_2 = 8.380352602726484e-01$ 第1125次迭代 $f(x_{1125}) = 7.122983345740248e-03$, $x_1 = 9.157720983829919e-01$, $x_2 = 8.381033358877762e-01$ 第1126次迭代 $f(x_{1126}) = 7.107957373781539e-03$, $x_1 = 9.157035861993167e-01$, $x_2 = 8.383691135486202e-01$ 第1127次迭代 $f(x_{1127}) = 7.092925882169947e-03$, $x_1 = 9.159507140240586e-01$, $x_2 = 8.384305151446672e-01$ 第1128次迭代 $f(x_{1128}) = 7.077988295875606e-03$, $x_1 = 9.158835362832702e-01$, $x_2 = 8.386874480506600e-01$ 第1129次迭代 $f(x_{1129}) = 7.063129649411552e-03$, $x_1 = 9.161267729441706e-01$, $x_2 = 8.387552403471600e-01$ 第1130次迭代 $f(x_{1130}) = 7.048251236460735e-03$, $x_1 = 9.160582913344979e-01$, $x_2 = 8.390199371540714e-01$ 第1131次迭代 $f(x_{1131}) = 7.033358227511695e-03$, $x_1 = 9.163047130463924e-01$, $x_2 = 8.390808745358446e-01$ 第1132次迭代 $f(x_{1132}) = 7.018568485544940e-03$, $x_1 = 9.162371872013962e-01$, $x_2 = 8.393369707889956e-01$ 第1133次迭代 $f(x_{1133}) = 7.003844943480250e-03$, $x_1 = 9.164801050946737e-01$, $x_2 = 8.394040678993000e-01$ 第1134次迭代 $f(x_{1134}) = 6.989121913647470e-03$, $x_1 = 9.164131763092963e-01$, $x_2 = 8.396593300349647e-01$ 第1135次迭代 $f(x_{1135}) = 6.974471887080311e-03$, $x_1 = 9.166551679740861e-01$, $x_2 = 8.397265002020848e-01$ 第1136次迭代 $f(x_{1136}) = 6.959816760980102e-03$, $x_1 = 9.165886457317007e-01$, $x_2 = 8.399810334122563e-01$ 第1137次迭代 $f(x_{1137}) = 6.945238196156679e-03$, $x_1 =$

9.168299015164042e-01, x2 = 8.400481740492896e-01 第1138次迭代 f(x_1138)
=6.930652155781611e-03, x1 = 9.167635980584863e-01, x2 = 8.403020819612536e-01 第1139次
迭代 f(x_1139) =6.916143068978212e-03, x1 = 9.170043058761179e-01, x2 =
8.403690918620462e-01 第1140次迭代 f(x_1140) =6.901627297265846e-03, x1 =
9.169380355196870e-01, x2 = 8.406224769110319e-01 第1141次迭代 f(x_1141)
=6.887185762111124e-03, x1 = 9.171783815224901e-01, x2 = 8.406892558818020e-01 第1142次
迭代 f(x_1142) =6.872741453438928e-03, x1 = 9.171119599930339e-01, x2 =
8.409422196748562e-01 第1143次迭代 f(x_1143) =6.858365588956644e-03, x1 =
9.173521292335584e-01, x2 = 8.410086681735383e-01 第1144次迭代 f(x_1144)
=6.843993959702073e-03, x1 = 9.172853730093959e-01, x2 = 8.412613118468336e-01 第1145次
迭代 f(x_1145) =6.829681918924651e-03, x1 = 9.175255500920156e-01, x2 =
8.413273306279696e-01 第1146次迭代 f(x_1146) =6.815384218211601e-03, x1 =
9.174582757561863e-01, x2 = 8.415797551996836e-01 第1147次迭代 f(x_1147)
=6.801134177225852e-03, x1 = 9.176986454829239e-01, x2 = 8.416452449627461e-01 第1148次
迭代 f(x_1148) =6.786911697981400e-03, x1 = 9.176306690787686e-01, x2 =
8.418975516835991e-01 第1149次迭代 f(x_1149) =6.772721845275302e-03, x1 =
9.178714170932299e-01, x2 = 8.419624127226751e-01 第1150次迭代 f(x_1150)
=6.758575935724574e-03, x1 = 9.178025534798913e-01, x2 = 8.422147034261828e-01 第1151次
迭代 f(x_1151) =6.744444461710114e-03, x1 = 9.180438669130653e-01, x2 =
8.422788352789691e-01 第1152次迭代 f(x_1152) =6.730376537443490e-03, x1 =
9.179739291171581e-01, x2 = 8.425312127334467e-01 第1153次迭代 f(x_1153)
=6.716297457429188e-03, x1 = 9.182103280544328e-01, x2 = 8.425930313292372e-01 第1154次
迭代 f(x_1154) =6.702228623789588e-03, x1 = 9.181448497847595e-01, x2 =
8.428498578335093e-01 第1155次迭代 f(x_1155) =6.688172015602144e-03, x1 =
9.183842696492659e-01, x2 = 8.429096227514760e-01 第1156次迭代 f(x_1156)
=6.674211731911617e-03, x1 = 9.183175187811002e-01, x2 = 8.431592818832194e-01 第1157次
迭代 f(x_1157) =6.660292466532766e-03, x1 = 9.185557469432970e-01, x2 =
8.432238329144687e-01 第1158次迭代 f(x_1158) =6.646413701934230e-03, x1 =
9.184873963717046e-01, x2 = 8.434738681068460e-01 第1159次迭代 f(x_1159)
=6.632544941005412e-03, x1 = 9.187213006919238e-01, x2 = 8.435358178208725e-01 第1160次
迭代 f(x_1160) =6.618666394360195e-03, x1 = 9.186568226297047e-01, x2 =
8.437905761607059e-01 第1161次迭代 f(x_1161) =6.604813842611358e-03, x1 =
9.188942527011648e-01, x2 = 8.438502021253341e-01 第1162次迭代 f(x_1162)
=6.591050277898115e-03, x1 = 9.188279737263310e-01, x2 = 8.440981337304091e-01 第1163次
迭代 f(x_1163) =6.577326656210871e-03, x1 = 9.190647666943668e-01, x2 =
8.441622165851249e-01 第1164次迭代 f(x_1164) =6.563648415549954e-03, x1 =
9.189963639263680e-01, x2 = 8.444108122618584e-01 第1165次迭代 f(x_1165)
=6.549967180805016e-03, x1 = 9.192293861867236e-01, x2 = 8.444720263476836e-01 第1166次
迭代 f(x_1166) =6.536299255838999e-03, x1 = 9.191642920871018e-01, x2 =
8.447256065449202e-01 第1167次迭代 f(x_1167) =6.522622204075437e-03, x1 =
9.193986703524094e-01, x2 = 8.447835439737545e-01 第1168次迭代 f(x_1168)
=6.509031052494026e-03, x1 = 9.193328935585620e-01, x2 = 8.450369915754652e-01 第1169次
迭代 f(x_1169) =6.495406106938408e-03, x1 = 9.195601863962946e-01, x2 =
8.450925139504417e-01 第1170次迭代 f(x_1170) =6.481696684527822e-03, x1 =
9.195014336076919e-01, x2 = 8.453533683263577e-01 第1171次迭代 f(x_1171)
=6.468042588269884e-03, x1 = 9.197328700137297e-01, x2 = 8.454062531488825e-01 第1172次
迭代 f(x_1172) =6.454503468847544e-03, x1 = 9.196726377538558e-01, x2 =
8.456556922191835e-01 第1173次迭代 f(x_1173) =6.441077021261041e-03, x1 =
9.199038193407664e-01, x2 = 8.457162936575636e-01 第1174次迭代 f(x_1174)
=6.427676357928573e-03, x1 = 9.198385925288014e-01, x2 = 8.459679396671758e-01 第1175次

迭代 $f(x_{1175}) = 6.414242633621071e-03$, $x_1 = 9.200644261019956e-01$, $x_2 = 8.460231023264818e-01$ 第1176次迭代 $f(x_{1176}) = 6.400735728109399e-03$, $x_1 = 9.200056378750725e-01$, $x_2 = 8.462823988675389e-01$ 第1177次迭代 $f(x_{1177}) = 6.387262893699278e-03$, $x_1 = 9.202361216310156e-01$, $x_2 = 8.463346535600794e-01$ 第1178次迭代 $f(x_{1178}) = 6.373927484912563e-03$, $x_1 = 9.201753629119337e-01$, $x_2 = 8.465828843952609e-01$ 第1179次迭代 $f(x_{1179}) = 6.360677987700080e-03$, $x_1 = 9.204061088080197e-01$, $x_2 = 8.466425242281412e-01$ 第1180次迭代 $f(x_{1180}) = 6.347480321342925e-03$, $x_1 = 9.203420420811497e-01$, $x_2 = 8.468849039707077e-01$ 第1181次迭代 $f(x_{1181}) = 6.334333286953625e-03$, $x_1 = 9.205737490887742e-01$, $x_2 = 8.469480515951938e-01$ 第1182次迭代 $f(x_{1182}) = 6.321232152494412e-03$, $x_1 = 9.205060606638311e-01$, $x_2 = 8.471919171703508e-01$ 第1183次迭代 $f(x_{1183}) = 6.308108690777347e-03$, $x_1 = 9.207356105733756e-01$, $x_2 = 8.472514189810916e-01$ 第1184次迭代 $f(x_{1184}) = 6.295034529837492e-03$, $x_1 = 9.206717783698903e-01$, $x_2 = 8.474927256132979e-01$ 第1185次迭代 $f(x_{1185}) = 6.282009354474782e-03$, $x_1 = 9.209026248385278e-01$, $x_2 = 8.475555357797520e-01$ 第1186次迭代 $f(x_{1186}) = 6.269034300406591e-03$, $x_1 = 9.208348482013446e-01$, $x_2 = 8.477985049329174e-01$ 第1187次迭代 $f(x_{1187}) = 6.256027895710871e-03$, $x_1 = 9.210638817765389e-01$, $x_2 = 8.478575043269077e-01$ 第1188次迭代 $f(x_{1188}) = 6.243082034763496e-03$, $x_1 = 9.209996201682308e-01$, $x_2 = 8.480981025582111e-01$ 第1189次迭代 $f(x_{1189}) = 6.230172746453318e-03$, $x_1 = 9.212248788197265e-01$, $x_2 = 8.481587591846824e-01$ 第1190次迭代 $f(x_{1190}) = 6.217252194646706e-03$, $x_1 = 9.211617821975535e-01$, $x_2 = 8.484053275086543e-01$ 第1191次迭代 $f(x_{1191}) = 6.204324148857430e-03$, $x_1 = 9.213831164651409e-01$, $x_2 = 8.484599204939949e-01$ 第1192次迭代 $f(x_{1192}) = 6.191322627851289e-03$, $x_1 = 9.213249588944681e-01$, $x_2 = 8.487147585108573e-01$ 第1193次迭代 $f(x_{1193}) = 6.178332133186972e-03$, $x_1 = 9.215522151302165e-01$, $x_2 = 8.487657664050787e-01$ 第1194次迭代 $f(x_{1194}) = 6.165511874611659e-03$, $x_1 = 9.214908090195403e-01$, $x_2 = 8.490104479840853e-01$ 第1195次迭代 $f(x_{1195}) = 6.152723294830788e-03$, $x_1 = 9.217170700392193e-01$, $x_2 = 8.490673201163421e-01$ 第1196次迭代 $f(x_{1196}) = 6.140005205443211e-03$, $x_1 = 9.216547858519241e-01$, $x_2 = 8.493049741068138e-01$ 第1197次迭代 $f(x_{1197}) = 6.127345063590982e-03$, $x_1 = 9.218822035865626e-01$, $x_2 = 8.493672480217787e-01$ 第1198次迭代 $f(x_{1198}) = 6.114733333506722e-03$, $x_1 = 9.218150542273266e-01$, $x_2 = 8.496070681897102e-01$ 第1199次迭代 $f(x_{1199}) = 6.102082103291097e-03$, $x_1 = 9.220416679051623e-01$, $x_2 = 8.496650494926301e-01$ 第1200次迭代 $f(x_{1200}) = 6.089506757000335e-03$, $x_1 = 9.219770064693246e-01$, $x_2 = 8.499030639101608e-01$ 第1201次迭代 $f(x_{1201}) = 6.076938831301003e-03$, $x_1 = 9.222008571733059e-01$, $x_2 = 8.499621587775003e-01$ 第1202次迭代 $f(x_{1202}) = 6.064401712491205e-03$, $x_1 = 9.221384775275304e-01$, $x_2 = 8.501984806171170e-01$ 第1203次迭代 $f(x_{1203}) = 6.051913344812873e-03$, $x_1 = 9.223650748784393e-01$, $x_2 = 8.502600211285627e-01$ 第1204次迭代 $f(x_{1204}) = 6.039483084587128e-03$, $x_1 = 9.223011328127442e-01$, $x_2 = 8.504854600501099e-01$ 第1205次迭代 $f(x_{1205}) = 6.027080606819407e-03$, $x_1 = 9.225246488189195e-01$, $x_2 = 8.505552343130804e-01$ 第1206次迭代 $f(x_{1206}) = 6.014707808261167e-03$, $x_1 = 9.224605946457605e-01$, $x_2 = 8.507803029378225e-01$ 第1207次迭代 $f(x_{1207}) = 6.002362657424110e-03$, $x_1 = 9.226839290547817e-01$, $x_2 = 8.508497717556167e-01$ 第1208次迭代 $f(x_{1208}) = 5.990047058337769e-03$, $x_1 = 9.226196099854256e-01$, $x_2 = 8.510745538004628e-01$ 第1209次迭代 $f(x_{1209}) = 5.977758978899949e-03$, $x_1 = 9.228429164853437e-01$, $x_2 = 8.511436351200699e-01$ 第1210次迭代 $f(x_{1210}) = 5.965500338543095e-03$, $x_1 = 9.227781798842913e-01$, $x_2 = 8.513682141728572e-01$ 第1211次迭代 $f(x_{1211}) = 5.953269096409158e-03$, $x_1 = 9.230016122507817e-01$, $x_2 = 8.514368259329803e-01$ 第1212次迭代 $f(x_{1212}) = 5.941067195568589e-03$, $x_1 =$

9.229363051466215e-01, x2 = 8.516612857170490e-01 第1213次迭代 f(x_1213)
=5.928892578219962e-03, x1 = 9.231600177315499e-01, x2 = 8.517293455838234e-01 第1214次
迭代 f(x_1214) =5.916747219501997e-03, x1 = 9.230939863282209e-01, x2 =
8.519537702221430e-01 第1215次迭代 f(x_1215) =5.904629036352322e-03, x1 =
9.233181345490975e-01, x2 = 8.520211953245986e-01 第1216次迭代 f(x_1216)
=5.892540044690643e-03, x1 = 9.232512237349642e-01, x2 = 8.522456696048510e-01 第1217次
迭代 f(x_1217) =5.880478127659602e-03, x1 = 9.234759645678801e-01, x2 =
8.523123762687174e-01 第1218次迭代 f(x_1218) =5.868445351046724e-03, x1 =
9.234080174200262e-01, x2 = 8.525369859107360e-01 第1219次迭代 f(x_1219)
=5.856439555359841e-03, x1 = 9.236335098986711e-01, x2 = 8.526028893891837e-01 第1220次
迭代 f(x_1220) =5.844462706682451e-03, x1 = 9.235668871684821e-01, x2 =
8.528195270489785e-01 第1221次迭代 f(x_1221) =5.832476569417024e-03, x1 =
9.237952498701546e-01, x2 = 8.528945471249448e-01 第1222次迭代 f(x_1222)
=5.820508115609191e-03, x1 = 9.237237976983633e-01, x2 = 8.531091591292778e-01 第1223次
迭代 f(x_1223) =5.808572783853679e-03, x1 = 9.239511819951027e-01, x2 =
8.531842883162150e-01 第1224次迭代 f(x_1224) =5.796663565739367e-03, x1 =
9.238802732602530e-01, x2 = 8.533982100682242e-01 第1225次迭代 f(x_1225)
=5.784780228180493e-03, x1 = 9.241068349946115e-01, x2 = 8.534733651532844e-01 第1226次
迭代 f(x_1226) =5.772928397010844e-03, x1 = 9.240363160462589e-01, x2 =
8.536866807291056e-01 第1227次迭代 f(x_1227) =5.761098221585752e-03, x1 =
9.242622086621137e-01, x2 = 8.537617798338110e-01 第1228次迭代 f(x_1228)
=5.749301989214041e-03, x1 = 9.241919280107777e-01, x2 = 8.539745720980564e-01 第1229次
迭代 f(x_1229) =5.737526132052009e-03, x1 = 9.244173030478856e-01, x2 =
8.540495344102444e-01 第1230次迭代 f(x_1230) =5.725783760453270e-03, x1 =
9.243471108764452e-01, x2 = 8.542618852805935e-01 第1231次迭代 f(x_1231)
=5.714063374645043e-03, x1 = 9.245721184529021e-01, x2 = 8.543366307931193e-01 第1232次
迭代 f(x_1232) =5.702373165997087e-03, x1 = 9.245018661388513e-01, x2 =
8.545486214988272e-01 第1233次迭代 f(x_1233) =5.690709410282892e-03, x1 =
9.247266554240667e-01, x2 = 8.546230707536092e-01 第1234次迭代 f(x_1234)
=5.679069697498554e-03, x1 = 9.246561950700581e-01, x2 = 8.548347820893273e-01 第1235次
迭代 f(x_1235) =5.667463744964272e-03, x1 = 9.248809147507672e-01, x2 =
8.549088559253663e-01 第1236次迭代 f(x_1236) =5.655872882572069e-03, x1 =
9.248100987209559e-01, x2 = 8.551203685016223e-01 第1237次迭代 f(x_1237)
=5.644325929442676e-03, x1 = 9.250348974627300e-01, x2 = 8.551939878056611e-01 第1238次
迭代 f(x_1238) =5.632782284718536e-03, x1 = 9.249635779224792e-01, x2 =
8.554053822973176e-01 第1239次迭代 f(x_1239) =5.621295559338805e-03, x1 =
9.251886048291452e-01, x2 = 8.554784677558369e-01 第1240次迭代 f(x_1240)
=5.609794747451931e-03, x1 = 9.251174537135954e-01, x2 = 8.556874158156101e-01 第1241次
迭代 f(x_1241) =5.598334997501059e-03, x1 = 9.253393662970697e-01, x2 =
8.557617730665540e-01 第1242次迭代 f(x_1242) =5.586913604870883e-03, x1 =
9.252700959178551e-01, x2 = 8.559712889797889e-01 第1243次迭代 f(x_1243)
=5.575516181199104e-03, x1 = 9.254925197954105e-01, x2 = 8.560449616801538e-01 第1244次
迭代 f(x_1244) =5.564137316855731e-03, x1 = 9.254223165749252e-01, x2 =
8.562545939452673e-01 第1245次迭代 f(x_1245) =5.552803523114130e-03, x1 =
9.256454012326901e-01, x2 = 8.563275026810983e-01 第1246次迭代 f(x_1246)
=5.541465587733926e-03, x1 = 9.255741156525481e-01, x2 = 8.565373327125034e-01 第1247次
迭代 f(x_1247) =5.530196795959688e-03, x1 = 9.257980128204075e-01, x2 =
8.566093968959799e-01 第1248次迭代 f(x_1248) =5.518893242197649e-03, x1 =
9.257263195723959e-01, x2 = 8.568171122752996e-01 第1249次迭代 f(x_1249)
=5.507655760741620e-03, x1 = 9.259476903408912e-01, x2 = 8.568901345023905e-01 第1250次

迭代 $f(x_{1250}) = 5.496427057795526e-03$, $x_1 = 9.258772914716873e-01$, $x_2 = 8.570987209270008e-01$ 第1251次迭代 $f(x_{1251}) = 5.485256785876144e-03$, $x_1 = 9.260997542998067e-01$, $x_2 = 8.571707501047247e-01$ 第1252次迭代 $f(x_{1252}) = 5.474060035643609e-03$, $x_1 = 9.260286618969326e-01$, $x_2 = 8.573773864158668e-01$ 第1253次迭代 $f(x_{1253}) = 5.462923504869675e-03$, $x_1 = 9.262489017951587e-01$, $x_2 = 8.574502117001690e-01$ 第1254次迭代 $f(x_{1254}) = 5.451797607101408e-03$, $x_1 = 9.261788106157017e-01$, $x_2 = 8.576578706148182e-01$ 第1255次迭代 $f(x_{1255}) = 5.440730582309439e-03$, $x_1 = 9.264004221602992e-01$, $x_2 = 8.577295544676770e-01$ 第1256次迭代 $f(x_{1256}) = 5.429633246527071e-03$, $x_1 = 9.263293573305886e-01$, $x_2 = 8.579354245036939e-01$ 第1257次迭代 $f(x_{1257}) = 5.418602240716305e-03$, $x_1 = 9.265490370771253e-01$, $x_2 = 8.580077493166095e-01$ 第1258次迭代 $f(x_{1258}) = 5.407570417165735e-03$, $x_1 = 9.264794872058713e-01$, $x_2 = 8.582124306070336e-01$ 第1259次迭代 $f(x_{1259}) = 5.396576851103492e-03$, $x_1 = 9.266973963033962e-01$, $x_2 = 8.582853103160061e-01$ 第1260次迭代 $f(x_{1260}) = 5.385608860630019e-03$, $x_1 = 9.266284174244226e-01$, $x_2 = 8.584912363620500e-01$ 第1261次迭代 $f(x_{1261}) = 5.374688004253026e-03$, $x_1 = 9.268481005608570e-01$, $x_2 = 8.585627613096273e-01$ 第1262次迭代 $f(x_{1262}) = 5.363744986715262e-03$, $x_1 = 9.267777366493575e-01$, $x_2 = 8.587671353524586e-01$ 第1263次迭代 $f(x_{1263}) = 5.352863679033135e-03$, $x_1 = 9.269959250582643e-01$, $x_2 = 8.588390684485914e-01$ 第1264次迭代 $f(x_{1264}) = 5.341980567716504e-03$, $x_1 = 9.269266470841707e-01$, $x_2 = 8.590424879348197e-01$ 第1265次迭代 $f(x_{1265}) = 5.331140080242532e-03$, $x_1 = 9.271434910254722e-01$, $x_2 = 8.591147490857574e-01$ 第1266次迭代 $f(x_{1266}) = 5.320316579019459e-03$, $x_1 = 9.270743635299010e-01$, $x_2 = 8.593196299898065e-01$ 第1267次迭代 $f(x_{1267}) = 5.309552366979347e-03$, $x_1 = 9.272933926893810e-01$, $x_2 = 8.593903186059285e-01$ 第1268次迭代 $f(x_{1268}) = 5.298745702397558e-03$, $x_1 = 9.272247232857399e-01$, $x_2 = 8.595874218234720e-01$ 第1269次迭代 $f(x_{1269}) = 5.287903943751544e-03$, $x_1 = 9.274403730985686e-01$, $x_2 = 8.596660157158998e-01$ 第1270次迭代 $f(x_{1270}) = 5.277165678052489e-03$, $x_1 = 9.273711885387461e-01$, $x_2 = 8.598682769163017e-01$ 第1271次迭代 $f(x_{1271}) = 5.266477981314039e-03$, $x_1 = 9.275871490029720e-01$, $x_2 = 8.599398291315632e-01$ 第1272次迭代 $f(x_{1272}) = 5.255792537732680e-03$, $x_1 = 9.275184909596730e-01$, $x_2 = 8.601414408789740e-01$ 第1273次迭代 $f(x_{1273}) = 5.245150168052036e-03$, $x_1 = 9.277336646064392e-01$, $x_2 = 8.602130246723257e-01$ 第1274次迭代 $f(x_{1274}) = 5.234515831879950e-03$, $x_1 = 9.276653954008559e-01$, $x_2 = 8.604140620219184e-01$ 第1275次迭代 $f(x_{1275}) = 5.223919911134358e-03$, $x_1 = 9.278799197147831e-01$, $x_2 = 8.604856043413576e-01$ 第1276次迭代 $f(x_{1276}) = 5.213335022394116e-03$, $x_1 = 9.278119036308560e-01$, $x_2 = 8.606861412550983e-01$ 第1277次迭代 $f(x_{1277}) = 5.202786657714001e-03$, $x_1 = 9.280259143517078e-01$, $x_2 = 8.607575700188647e-01$ 第1278次迭代 $f(x_{1278}) = 5.192249601907818e-03$, $x_1 = 9.279580172237066e-01$, $x_2 = 8.609576795879872e-01$ 第1279次迭代 $f(x_{1279}) = 5.181749893490881e-03$, $x_1 = 9.281716487535092e-01$, $x_2 = 8.610289234649200e-01$ 第1280次迭代 $f(x_{1280}) = 5.171259092829736e-03$, $x_1 = 9.281037375629775e-01$, $x_2 = 8.612286781271914e-01$ 第1281次迭代 $f(x_{1281}) = 5.160809141644724e-03$, $x_1 = 9.283171233648744e-01$, $x_2 = 8.612996663217065e-01$ 第1282次迭代 $f(x_{1282}) = 5.150363046666152e-03$, $x_1 = 9.282490658448947e-01$, $x_2 = 8.614991380745884e-01$ 第1283次迭代 $f(x_{1283}) = 5.139963962121370e-03$, $x_1 = 9.284623388357401e-01$, $x_2 = 8.615698001151917e-01$ 第1284次迭代 $f(x_{1284}) = 5.129561043610186e-03$, $x_1 = 9.283940030805434e-01$, $x_2 = 8.617690607259635e-01$ 第1285次迭代 $f(x_{1285}) = 5.119213951261047e-03$, $x_1 = 9.286072960191898e-01$, $x_2 = 8.618393262562450e-01$ 第1286次迭代 $f(x_{1286}) = 5.108852692391769e-03$, $x_1 = 9.285385500971705e-01$, $x_2 = 8.620384474701316e-01$ 第1287次迭代 $f(x_{1287}) = 5.098558741761503e-03$, $x_1 =$

9.287519959703606e-01, x2 = 8.621082460412116e-01 第1288次迭代 f(x_1288)
=5.088234934510798e-03, x1 = 9.286849063882153e-01, x2 = 8.623009828717931e-01 第1289次
迭代 f(x_1289) =5.077880223356960e-03, x1 = 9.288963896795525e-01, x2 =
8.623777924161313e-01 第1290次迭代 f(x_1290) =5.067606429516726e-03, x1 =
9.288296513376786e-01, x2 = 8.625699928636201e-01 第1291次迭代 f(x_1291)
=5.057296390998607e-03, x1 = 9.290405265682595e-01, x2 = 8.626467308282719e-01 第1292次
迭代 f(x_1292) =5.047070430298757e-03, x1 = 9.289740100731253e-01, x2 =
8.628384653150154e-01 第1293次迭代 f(x_1293) =5.036806714143111e-03, x1 =
9.291844067004160e-01, x2 = 8.629150631087805e-01 第1294次迭代 f(x_1294)
=5.026626459056452e-03, x1 = 9.291179840644522e-01, x2 = 8.631064012672562e-01 第1295次
迭代 f(x_1295) =5.016410699484586e-03, x1 = 9.293280303465296e-01, x2 =
8.631827909721269e-01 第1296次迭代 f(x_1296) =5.006274063463027e-03, x1 =
9.292615746080374e-01, x2 = 8.633738018495503e-01 第1297次迭代 f(x_1297)
=4.996107889982970e-03, x1 = 9.294713979797937e-01, x2 = 8.634499160181826e-01 第1298次
迭代 f(x_1298) =4.986012816132928e-03, x1 = 9.294047828294120e-01, x2 =
8.636406682774351e-01 第1299次迭代 f(x_1299) =4.975897864230559e-03, x1 =
9.296145102732216e-01, x2 = 8.637164397337516e-01 第1300次迭代 f(x_1300)
=4.965842314313872e-03, x1 = 9.295476096851044e-01, x2 = 8.639070018516264e-01 第1301次
迭代 f(x_1301) =4.955780236145883e-03, x1 = 9.297573680977754e-01, x2 =
8.639823634935682e-01 第1302次迭代 f(x_1302) =4.945762179797667e-03, x1 =
9.296900559636769e-01, x2 = 8.641728039573024e-01 第1303次迭代 f(x_1303)
=4.935754654989256e-03, x1 = 9.298999725214711e-01, x2 = 8.642476885607688e-01 第1304次
迭代 f(x_1304) =4.925772059047852e-03, x1 = 9.298321222859622e-01, x2 =
8.644380760638187e-01 第1305次迭代 f(x_1305) =4.915820805698474e-03, x1 =
9.300423248094503e-01, x2 = 8.645124160868457e-01 第1306次迭代 f(x_1306)
=4.905871623544391e-03, x1 = 9.299738091045101e-01, x2 = 8.647028197248472e-01 第1307次
迭代 f(x_1307) =4.895978409547121e-03, x1 = 9.301844264250120e-01, x2 =
8.647765471110846e-01 第1308次迭代 f(x_1308) =4.886060570349215e-03, x1 =
9.301151167022405e-01, x2 = 8.649670365789394e-01 第1309次迭代 f(x_1309)
=4.876223858000683e-03, x1 = 9.303192536817878e-01, x2 = 8.650376523269341e-01 第1310次
迭代 f(x_1310) =4.866439465373863e-03, x1 = 9.302543602575373e-01, x2 =
8.652322775713577e-01 第1311次迭代 f(x_1311) =4.856698844551585e-03, x1 =
9.304516961360272e-01, x2 = 8.652961485971871e-01 第1312次迭代 f(x_1312)
=4.846987678261925e-03, x1 = 9.303922439908419e-01, x2 = 8.654975164219314e-01 第1313次
迭代 f(x_1313) =4.837297318315521e-03, x1 = 9.305888282634642e-01, x2 =
8.65552656140413e-01 第1314次迭代 f(x_1314) =4.827624215631962e-03, x1 =
9.305319969184642e-01, x2 = 8.657548616193662e-01 第1315次迭代 f(x_1315)
=4.817979501097094e-03, x1 = 9.307330682149514e-01, x2 = 8.658160301821803e-01 第1316次
迭代 f(x_1316) =4.808350560459483e-03, x1 = 9.306713518440607e-01, x2 =
8.660117204151074e-01 第1317次迭代 f(x_1317) =4.798743864581309e-03, x1 =
9.308696572868063e-01, x2 = 8.660740263754642e-01 第1318次迭代 f(x_1318)
=4.789165364111230e-03, x1 = 9.308103172455851e-01, x2 = 8.662680910306678e-01 第1319次
迭代 f(x_1319) =4.779596764873071e-03, x1 = 9.310060252153348e-01, x2 =
8.663314445745912e-01 第1320次迭代 f(x_1320) =4.770058035323241e-03, x1 =
9.309467370771143e-01, x2 = 8.665312548798147e-01 第1321次迭代 f(x_1321)
=4.760537176694958e-03, x1 = 9.311421681391334e-01, x2 = 8.665882882256335e-01 第1322次
迭代 f(x_1322) =4.751036396807416e-03, x1 = 9.310850157126812e-01, x2 =
8.667865910942417e-01 第1323次迭代 f(x_1323) =4.741564189270553e-03, x1 =
9.312780839245843e-01, x2 = 8.668445604894980e-01 第1324次迭代 f(x_1324)
=4.732101431439604e-03, x1 = 9.312229126124172e-01, x2 = 8.670414399659072e-01 第1325次

迭代 $f(x_{1325}) = 4.722667510364959e-03$, $x_1 = 9.314209891085160e-01$, $x_2 = 8.671024894600471e-01$ 第1326次迭代 $f(x_{1326}) = 4.713252503249686e-03$, $x_1 = 9.313604288524073e-01$, $x_2 = 8.672958015221622e-01$ 第1327次迭代 $f(x_{1327}) = 4.703856578618865e-03$, $x_1 = 9.315563672880223e-01$, $x_2 = 8.673576551551002e-01$ 第1328次迭代 $f(x_{1328}) = 4.694488514191941e-03$, $x_1 = 9.314975715674230e-01$, $x_2 = 8.675496746487024e-01$ 第1329次迭代 $f(x_{1329}) = 4.685130647465233e-03$, $x_1 = 9.316915164924037e-01$, $x_2 = 8.676122555269907e-01$ 第1330次迭代 $f(x_{1330}) = 4.675803262402674e-03$, $x_1 = 9.316321818874366e-01$, $x_2 = 8.678102761225492e-01$ 第1331次迭代 $f(x_{1331}) = 4.666488906946232e-03$, $x_1 = 9.318264339775372e-01$, $x_2 = 8.678662934010967e-01$ 第1332次迭代 $f(x_{1332}) = 4.657199495223233e-03$, $x_1 = 9.317686450047366e-01$, $x_2 = 8.680631277949324e-01$ 第1333次迭代 $f(x_{1333}) = 4.647930640772865e-03$, $x_1 = 9.319611186421979e-01$, $x_2 = 8.681197713556752e-01$ 第1334次迭代 $f(x_{1334}) = 4.638679267257355e-03$, $x_1 = 9.319047398979027e-01$, $x_2 = 8.683154931508233e-01$ 第1335次迭代 $f(x_{1335}) = 4.629455150020920e-03$, $x_1 = 9.320955688775527e-01$, $x_2 = 8.683726919102484e-01$ 第1336次迭代 $f(x_{1336}) = 4.620241873568722e-03$, $x_1 = 9.320404697276580e-01$, $x_2 = 8.685673721227399e-01$ 第1337次迭代 $f(x_{1337}) = 4.611058261247858e-03$, $x_1 = 9.322369440215293e-01$, $x_2 = 8.686272394032970e-01$ 第1338次迭代 $f(x_{1338}) = 4.601886896377300e-03$, $x_1 = 9.321758343784720e-01$, $x_2 = 8.688187653692212e-01$ 第1339次迭代 $f(x_{1339}) = 4.592741422222962e-03$, $x_1 = 9.323708710966975e-01$, $x_2 = 8.688790659036341e-01$ 第1340次迭代 $f(x_{1340}) = 4.583613450662326e-03$, $x_1 = 9.323108397325437e-01$, $x_2 = 8.690696724036514e-01$ 第1341次迭代 $f(x_{1341}) = 4.574506177743303e-03$, $x_1 = 9.325045646456412e-01$, $x_2 = 8.691303395120596e-01$ 第1342次迭代 $f(x_{1342}) = 4.565420943496924e-03$, $x_1 = 9.324454883313054e-01$, $x_2 = 8.693200934789660e-01$ 第1343次迭代 $f(x_{1343}) = 4.556351932711439e-03$, $x_1 = 9.326380237059358e-01$, $x_2 = 8.693810623834061e-01$ 第1344次迭代 $f(x_{1344}) = 4.547308813209507e-03$, $x_1 = 9.325797825328879e-01$, $x_2 = 8.695700289428259e-01$ 第1345次迭代 $f(x_{1345}) = 4.538278124362369e-03$, $x_1 = 9.327712474965667e-01$, $x_2 = 8.696312365708967e-01$ 第1346次迭代 $f(x_{1346}) = 4.529276527213011e-03$, $x_1 = 9.327137245200798e-01$, $x_2 = 8.698194792331844e-01$ 第1347次迭代 $f(x_{1347}) = 4.520284220082799e-03$, $x_1 = 9.329042354100532e-01$, $x_2 = 8.698808640303333e-01$ 第1348次迭代 $f(x_{1348}) = 4.511323572201265e-03$, $x_1 = 9.328451633561016e-01$, $x_2 = 8.700755400744722e-01$ 第1349次迭代 $f(x_{1349}) = 4.502367788798221e-03$, $x_1 = 9.330324938747873e-01$, $x_2 = 8.701286724881472e-01$ 第1350次迭代 $f(x_{1350}) = 4.493424274563270e-03$, $x_1 = 9.329768689343668e-01$, $x_2 = 8.703307650887004e-01$ 第1351次迭代 $f(x_{1351}) = 4.484440096963105e-03$, $x_1 = 9.331628630405492e-01$, $x_2 = 8.703777516461941e-01$ 第1352次迭代 $f(x_{1352}) = 4.475489969805805e-03$, $x_1 = 9.331117425863995e-01$, $x_2 = 8.705770671072656e-01$ 第1353次迭代 $f(x_{1353}) = 4.466595100303275e-03$, $x_1 = 9.333011728483651e-01$, $x_2 = 8.706284498883420e-01$ 第1354次迭代 $f(x_{1354}) = 4.457743622779822e-03$, $x_1 = 9.332459168932156e-01$, $x_2 = 8.708200347384409e-01$ 第1355次迭代 $f(x_{1355}) = 4.448916878951018e-03$, $x_1 = 9.334332163016175e-01$, $x_2 = 8.708759037048885e-01$ 第1356次迭代 $f(x_{1356}) = 4.440104103652267e-03$, $x_1 = 9.333781267900357e-01$, $x_2 = 8.710670516660176e-01$ 第1357次迭代 $f(x_{1357}) = 4.431316131955625e-03$, $x_1 = 9.335650220950833e-01$, $x_2 = 8.711228198397193e-01$ 第1358次迭代 $f(x_{1358}) = 4.422542147905236e-03$, $x_1 = 9.335099914001895e-01$, $x_2 = 8.713135893039725e-01$ 第1359次迭代 $f(x_{1359}) = 4.413792478691472e-03$, $x_1 = 9.336965905507166e-01$, $x_2 = 8.713691997230879e-01$ 第1360次迭代 $f(x_{1360}) = 4.405057382259246e-03$, $x_1 = 9.336415118582312e-01$, $x_2 = 8.715596486215417e-01$ 第1361次迭代 $f(x_{1361}) = 4.396345559621553e-03$, $x_1 = 9.338279221281577e-01$, $x_2 = 8.716150447069113e-01$ 第1362次迭代 $f(x_{1362}) = 4.387649455825551e-03$, $x_1 =$

9.337726891517674e-01, x2 = 8.718052306620134e-01 第1363次迭代 f(x_1363)
=4.378975035949172e-03, x1 = 9.339590174228373e-01, x2 = 8.718603560657755e-01 第1364次
迭代 f(x_1364) =4.370318039821257e-03, x1 = 9.339035241230657e-01, x2 =
8.720503365417535e-01 第1365次迭代 f(x_1365) =4.361680589438878e-03, x1 =
9.340898771646956e-01, x2 = 8.721051349976110e-01 第1366次迭代 f(x_1366)
=4.353062827464568e-03, x1 = 9.340340174700321e-01, x2 = 8.722949674495698e-01 第1367次
迭代 f(x_1367) =4.344461922403123e-03, x1 = 9.342205022175064e-01, x2 =
8.723493826240477e-01 第1368次迭代 f(x_1368) =4.335883534048083e-03, x1 =
9.341641697465658e-01, x2 = 8.725391246464120e-01 第1369次迭代 f(x_1369)
=4.327318757853888e-03, x1 = 9.343508935787951e-01, x2 = 8.725930999904494e-01 第1370次
迭代 f(x_1370) =4.318779897189966e-03, x1 = 9.342939813622976e-01, x2 =
8.727828094653981e-01 第1371次迭代 f(x_1371) =4.310249177252493e-03, x1 =
9.344766712165296e-01, x2 = 8.728350356080855e-01 第1372次迭代 f(x_1372)
=4.301732147738808e-03, x1 = 9.344219174260785e-01, x2 = 8.730326401500612e-01 第1373次
迭代 f(x_1373) =4.293162454701958e-03, x1 = 9.346044646661217e-01, x2 =
8.730782411709349e-01 第1374次迭代 f(x_1374) =4.284649449866846e-03, x1 =
9.345529496864714e-01, x2 = 8.732737577612361e-01 第1375次迭代 f(x_1375)
=4.276154887448169e-03, x1 = 9.347320663029537e-01, x2 = 8.733209015744291e-01 第1376次
迭代 f(x_1376) =4.267643286970516e-03, x1 = 9.346819273188889e-01, x2 =
8.735210959073375e-01 第1377次迭代 f(x_1377) =4.259129392625132e-03, x1 =
9.348652747245326e-01, x2 = 8.735656882688091e-01 第1378次迭代 f(x_1378)
=4.250708846205284e-03, x1 = 9.348122895175454e-01, x2 = 8.737612669873168e-01 第1379次
迭代 f(x_1379) =4.242267719676604e-03, x1 = 9.349923903215082e-01, x2 =
8.738073049226565e-01 第1380次迭代 f(x_1380) =4.233854838059789e-03, x1 =
9.349422719467251e-01, x2 = 8.740009976353289e-01 第1381次迭代 f(x_1381)
=4.225482162204440e-03, x1 = 9.351251092369776e-01, x2 = 8.740499380111845e-01 第1382次
迭代 f(x_1382) =4.217155410587672e-03, x1 = 9.350724143152561e-01, x2 =
8.742353589187757e-01 第1383次迭代 f(x_1383) =4.208855965174442e-03, x1 =
9.352538560437986e-01, x2 = 8.742899849572412e-01 第1384次迭代 f(x_1384)
=4.200569513999539e-03, x1 = 9.351998866979441e-01, x2 = 8.744757496479330e-01 第1385次
迭代 f(x_1385) =4.192303146614769e-03, x1 = 9.353823775047008e-01, x2 =
8.745295096696110e-01 第1386次迭代 f(x_1386) =4.184057267003651e-03, x1 =
9.353270211806926e-01, x2 = 8.747156788043624e-01 第1387次迭代 f(x_1387)
=4.175822260953763e-03, x1 = 9.355063746438904e-01, x2 = 8.747672751670605e-01 第1388次
迭代 f(x_1388) =4.167599659063104e-03, x1 = 9.354553129682053e-01, x2 =
8.749508238404219e-01 第1389次迭代 f(x_1389) =4.159410217205044e-03, x1 =
9.356411959756479e-01, x2 = 8.750078595397000e-01 第1390次迭代 f(x_1390)
=4.151223750149187e-03, x1 = 9.355831976681814e-01, x2 = 8.751855615029479e-01 第1391次
迭代 f(x_1391) =4.143057559819301e-03, x1 = 9.357646357919932e-01, x2 =
8.752446550487293e-01 第1392次迭代 f(x_1392) =4.134919811956045e-03, x1 =
9.357093952816052e-01, x2 = 8.754240897280643e-01 第1393次迭代 f(x_1393)
=4.126794570568044e-03, x1 = 9.358922617152855e-01, x2 = 8.754821063906881e-01 第1394次
迭代 f(x_1394) =4.118688474957639e-03, x1 = 9.358352564799758e-01, x2 =
8.756621615797293e-01 第1395次迭代 f(x_1395) =4.110604550929744e-03, x1 =
9.360196733306780e-01, x2 = 8.757190372452306e-01 第1396次迭代 f(x_1396)
=4.102525117563266e-03, x1 = 9.359621591546237e-01, x2 = 8.758955463401985e-01 第1397次
迭代 f(x_1397) =4.094464686875823e-03, x1 = 9.361424635811774e-01, x2 =
8.759543038756175e-01 第1398次迭代 f(x_1398) =4.086432105020819e-03, x1 =
9.360873919504040e-01, x2 = 8.761326944816816e-01 第1399次迭代 f(x_1399)
=4.078413113075803e-03, x1 = 9.362694106290035e-01, x2 = 8.761902252781720e-01 第1400次

迭代 $f(x_{1400}) = 4.070411306336001e-03$, $x_1 = 9.362122867888734e-01$, $x_2 = 8.763693915257811e-01$ 第1401次迭代 $f(x_{1401}) = 4.062432236073135e-03$, $x_1 = 9.363894484135820e-01$, $x_2 = 8.764235778490519e-01$ 第1402次迭代 $f(x_{1402}) = 4.054462602900591e-03$, $x_1 = 9.363368445320656e-01$, $x_2 = 8.766056393809574e-01$ 第1403次迭代 $f(x_{1403}) = 4.046513905551710e-03$, $x_1 = 9.365159085402626e-01$, $x_2 = 8.766585121043592e-01$ 第1404次迭代 $f(x_{1404}) = 4.038586320187258e-03$, $x_1 = 9.364610605605139e-01$, $x_2 = 8.768414410996861e-01$ 第1405次迭代 $f(x_{1405}) = 4.030662925940379e-03$, $x_1 = 9.366379209849274e-01$, $x_2 = 8.768917232577470e-01$ 第1406次迭代 $f(x_{1406}) = 4.022759162576958e-03$, $x_1 = 9.365864350855706e-01$, $x_2 = 8.770725384041411e-01$ 第1407次迭代 $f(x_{1407}) = 4.014880631207906e-03$, $x_1 = 9.367639202767991e-01$, $x_2 = 8.771256578881591e-01$ 第1408次迭代 $f(x_{1408}) = 4.007019146376350e-03$, $x_1 = 9.367100233396585e-01$, $x_2 = 8.773074307449378e-01$ 第1409次迭代 $f(x_{1409}) = 3.999167366303694e-03$, $x_1 = 9.368855088632186e-01$, $x_2 = 8.773578665661127e-01$ 第1410次迭代 $f(x_{1410}) = 3.991330002759490e-03$, $x_1 = 9.368347491035259e-01$, $x_2 = 8.775376474177200e-01$ 第1411次迭代 $f(x_{1411}) = 3.983520185787261e-03$, $x_1 = 9.370110514939702e-01$, $x_2 = 8.775908052208696e-01$ 第1412次迭代 $f(x_{1412}) = 3.975725385807332e-03$, $x_1 = 9.369577106262164e-01$, $x_2 = 8.777716356130886e-01$ 第1413次迭代 $f(x_{1413}) = 3.967942541659681e-03$, $x_1 = 9.371322114912777e-01$, $x_2 = 8.778220197383116e-01$ 第1414次迭代 $f(x_{1414}) = 3.960172109915467e-03$, $x_1 = 9.370817978799851e-01$, $x_2 = 8.780009718931417e-01$ 第1415次迭代 $f(x_{1415}) = 3.952429664617080e-03$, $x_1 = 9.372573024543907e-01$, $x_2 = 8.780539655988966e-01$ 第1416次迭代 $f(x_{1416}) = 3.944702146390894e-03$, $x_1 = 9.372041328198981e-01$, $x_2 = 8.782340616203302e-01$ 第1417次迭代 $f(x_{1417}) = 3.936985712935280e-03$, $x_1 = 9.373780301881189e-01$, $x_2 = 8.782841936734876e-01$ 第1418次迭代 $f(x_{1418}) = 3.929282767703953e-03$, $x_1 = 9.373275906935717e-01$, $x_2 = 8.784625183157549e-01$ 第1419次迭代 $f(x_{1419}) = 3.921606441863360e-03$, $x_1 = 9.375026752970566e-01$, $x_2 = 8.785151494533366e-01$ 第1420次迭代 $f(x_{1420}) = 3.913946836821123e-03$, $x_1 = 9.374492983005654e-01$, $x_2 = 8.786947156976793e-01$ 第1421次迭代 $f(x_{1421}) = 3.906294399922377e-03$, $x_1 = 9.376229680650745e-01$, $x_2 = 8.787443982501767e-01$ 第1422次迭代 $f(x_{1422}) = 3.898659539842151e-03$, $x_1 = 9.375721348863592e-01$, $x_2 = 8.789222941398751e-01$ 第1423次迭代 $f(x_{1423}) = 3.891048156386722e-03$, $x_1 = 9.377471739674630e-01$, $x_2 = 8.789743661869996e-01$ 第1424次迭代 $f(x_{1424}) = 3.883457153223597e-03$, $x_1 = 9.376932134925220e-01$, $x_2 = 8.791536057538809e-01$ 第1425次迭代 $f(x_{1425}) = 3.875866371759292e-03$, $x_1 = 9.378670299729466e-01$, $x_2 = 8.792026423542528e-01$ 第1426次迭代 $f(x_{1426}) = 3.868300261676784e-03$, $x_1 = 9.378154359106985e-01$, $x_2 = 8.793803077610983e-01$ 第1427次迭代 $f(x_{1427}) = 3.860752408180537e-03$, $x_1 = 9.379866970907356e-01$, $x_2 = 8.794304223749524e-01$ 第1428次迭代 $f(x_{1428}) = 3.853211576748615e-03$, $x_1 = 9.379373260990146e-01$, $x_2 = 8.796065909254371e-01$ 第1429次迭代 $f(x_{1429}) = 3.845699540014120e-03$, $x_1 = 9.381102217153588e-01$, $x_2 = 8.796589350035027e-01$ 第1430次迭代 $f(x_{1430}) = 3.838202927700929e-03$, $x_1 = 9.380574987498896e-01$, $x_2 = 8.798365684639182e-01$ 第1431次迭代 $f(x_{1431}) = 3.830713353030285e-03$, $x_1 = 9.382294489942747e-01$, $x_2 = 8.798857524941437e-01$ 第1432次迭代 $f(x_{1432}) = 3.823242128907703e-03$, $x_1 = 9.381787857755356e-01$, $x_2 = 8.800619776737036e-01$ 第1433次迭代 $f(x_{1433}) = 3.815792276164304e-03$, $x_1 = 9.383525523327799e-01$, $x_2 = 8.801132820233822e-01$ 第1434次迭代 $f(x_{1434}) = 3.808362101218328e-03$, $x_1 = 9.383003001391690e-01$, $x_2 = 8.802846062509904e-01$ 第1435次迭代 $f(x_{1435}) = 3.800943007946366e-03$, $x_1 = 9.384754898518560e-01$, $x_2 = 8.803402948161956e-01$ 第1436次迭代 $f(x_{1436}) = 3.793536530956103e-03$, $x_1 = 9.384209176269670e-01$, $x_2 = 8.805091933995655e-01$ 第1437次迭代 $f(x_{1437}) = 3.786143270744053e-03$, $x_1 =$

9.385940341856375e-01, x2 = 8.805656880748053e-01 第1438次迭代 f(x_1438)
=3.778774040549842e-03, x1 = 9.385399536737233e-01, x2 = 8.807373802968105e-01 第1439次
迭代 f(x_1439) =3.771422908083847e-03, x1 = 9.387101313426509e-01, x2 =
8.807897364219970e-01 第1440次迭代 f(x_1440) =3.764083243069933e-03, x1 =
9.386586279555296e-01, x2 = 8.809651582329048e-01 第1441次迭代 f(x_1441)
=3.756755135780188e-03, x1 = 9.388283079276624e-01, x2 = 8.810141541928770e-01 第1442次
迭代 f(x_1442) =3.749441619009252e-03, x1 = 9.387783865262642e-01, x2 =
8.811884260804488e-01 第1443次迭代 f(x_1443) =3.742150248691715e-03, x1 =
9.389503118950776e-01, x2 = 8.812392833806096e-01 第1444次迭代 f(x_1444)
=3.734877526277654e-03, x1 = 9.388983818888923e-01, x2 = 8.814089365977347e-01 第1445次
迭代 f(x_1445) =3.727617461899029e-03, x1 = 9.390721660419479e-01, x2 =
8.814638943830388e-01 第1446次迭代 f(x_1446) =3.720365552736764e-03, x1 =
9.390175001280664e-01, x2 = 8.816313803596432e-01 第1447次迭代 f(x_1447)
=3.713132008545499e-03, x1 = 9.391896667943466e-01, x2 = 8.816869049135205e-01 第1448次
迭代 f(x_1448) =3.705916279633824e-03, x1 = 9.391363138797546e-01, x2 =
8.818534040947491e-01 第1449次迭代 f(x_1449) =3.698709487216884e-03, x1 =
9.393069693626486e-01, x2 = 8.819094394301255e-01 第1450次迭代 f(x_1450)
=3.691527624934075e-03, x1 = 9.392535751103208e-01, x2 = 8.820789783973906e-01 第1451次
迭代 f(x_1451) =3.684362737265905e-03, x1 = 9.394218446054243e-01, x2 =
8.821306512073386e-01 第1452次迭代 f(x_1452) =3.677211128931515e-03, x1 =
9.393704622765686e-01, x2 = 8.823041585046253e-01 第1453次迭代 f(x_1453)
=3.670065988634627e-03, x1 = 9.395387628532071e-01, x2 = 8.823522353406044e-01 第1454次
迭代 f(x_1454) =3.662941415897285e-03, x1 = 9.394884278417683e-01, x2 =
8.825248816306053e-01 第1455次迭代 f(x_1455) =3.655830561521676e-03, x1 =
9.396554784737392e-01, x2 = 8.825733498507671e-01 第1456次迭代 f(x_1456)
=3.648733230734707e-03, x1 = 9.396060932084853e-01, x2 = 8.827451877921764e-01 第1457次
迭代 f(x_1457) =3.641656030039706e-03, x1 = 9.397719906851686e-01, x2 =
8.827939964899857e-01 第1458次迭代 f(x_1458) =3.634586135802935e-03, x1 =
9.397234604266878e-01, x2 = 8.829650772167301e-01 第1459次迭代 f(x_1459)
=3.627540716155384e-03, x1 = 9.398922518889377e-01, x2 = 8.830153544233041e-01 第1460次
迭代 f(x_1460) =3.620512479423071e-03, x1 = 9.398410723049709e-01, x2 =
8.831822496787469e-01 第1461次迭代 f(x_1461) =3.613498242982913e-03, x1 =
9.400123910541266e-01, x2 = 8.832361904923934e-01 第1462次迭代 f(x_1462)
=3.606487408891214e-03, x1 = 9.399578373738736e-01, x2 = 8.834013159388694e-01 第1463次
迭代 f(x_1463) =3.599500974095372e-03, x1 = 9.401282489686915e-01, x2 =
8.834554510390132e-01 第1464次迭代 f(x_1464) =3.592522082692692e-03, x1 =
9.400743108522253e-01, x2 = 8.836199659116191e-01 第1465次迭代 f(x_1465)
=3.585563635224495e-03, x1 = 9.402439057728841e-01, x2 = 8.836742478459424e-01 第1466次
迭代 f(x_1466) =3.578616146351453e-03, x1 = 9.401904942650992e-01, x2 =
8.838382000906719e-01 第1467次迭代 f(x_1467) =3.571685866531363e-03, x1 =
9.403593611681640e-01, x2 = 8.838925823906749e-01 第1468次迭代 f(x_1468)
=3.564769260881996e-03, x1 = 9.403063890290939e-01, x2 = 8.840560190242401e-01 第1469次
迭代 f(x_1469) =3.557867325062925e-03, x1 = 9.404746149657051e-01, x2 =
8.841104560889148e-01 第1470次迭代 f(x_1470) =3.550981101991971e-03, x1 =
9.404219964558606e-01, x2 = 8.842734233131178e-01 第1471次迭代 f(x_1471)
=3.544107683916650e-03, x1 = 9.405896670828400e-01, x2 = 8.843278702964544e-01 第1472次
迭代 f(x_1472) =3.537251359399844e-03, x1 = 9.405373177552023e-01, x2 =
8.844904136089602e-01 第1473次迭代 f(x_1473) =3.530406631530429e-03, x1 =
9.407045175399518e-01, x2 = 8.845448263108190e-01 第1474次迭代 f(x_1474)
=3.523579736259760e-03, x1 = 9.406523540377640e-01, x2 = 8.847069906127845e-01 第1475次

迭代 $f(x_{1475}) = 3.516763871089736e-03$, $x_1 = 9.408191664577943e-01$, $x_2 = 8.847613253726825e-01$ 第1476次迭代 $f(x_{1476}) = 3.509965948686823e-03$, $x_1 = 9.407671063173281e-01$, $x_2 = 8.849231550736807e-01$ 第1477次迭代 $f(x_{1477}) = 3.503179120044741e-03$, $x_1 = 9.409336140552241e-01$, $x_2 = 8.849773686670682e-01$ 第1478次迭代 $f(x_{1478}) = 3.496409725377056e-03$, $x_1 = 9.408815755127318e-01$, $x_2 = 8.851389077877294e-01$ 第1479次迭代 $f(x_{1479}) = 3.489652109731792e-03$, $x_1 = 9.410478606473284e-01$, $x_2 = 8.851929573243382e-01$ 第1480次迭代 $f(x_{1480}) = 3.482910807317584e-03$, $x_1 = 9.409957624494193e-01$, $x_2 = 8.853542495971130e-01$ 第1481次迭代 $f(x_{1481}) = 3.476182585094546e-03$, $x_1 = 9.411619066439384e-01$, $x_2 = 8.854080924209808e-01$ 第1482次迭代 $f(x_{1482}) = 3.469468947583511e-03$, $x_1 = 9.411096678606357e-01$, $x_2 = 8.855691813894203e-01$ 第1483次迭代 $f(x_{1483}) = 3.462770304501602e-03$, $x_1 = 9.412757525485178e-01$, $x_2 = 8.856227749801978e-01$ 第1484次迭代 $f(x_{1484}) = 3.456083911218898e-03$, $x_1 = 9.412232923882734e-01$, $x_2 = 8.857837040971366e-01$ 第1485次迭代 $f(x_{1485}) = 3.449415039657783e-03$, $x_1 = 9.413893989574169e-01$, $x_2 = 8.858370059722991e-01$ 第1486次迭代 $f(x_{1486}) = 3.442755475200094e-03$, $x_1 = 9.413366365833785e-01$, $x_2 = 8.859978186973144e-01$ 第1487次迭代 $f(x_{1487}) = 3.436116575608082e-03$, $x_1 = 9.415028465594871e-01$, $x_2 = 8.860507863149051e-01$ 第1488次迭代 $f(x_{1488}) = 3.429483428480906e-03$, $x_1 = 9.414497009063164e-01$, $x_2 = 8.862115262114256e-01$ 第1489次迭代 $f(x_{1489}) = 3.422874710833656e-03$, $x_1 = 9.416160961360531e-01$, $x_2 = 8.862641168729601e-01$ 第1490次迭代 $f(x_{1490}) = 3.416265693801945e-03$, $x_1 = 9.415630968497424e-01$, $x_2 = 8.864229957084142e-01$ 第1491次迭代 $f(x_{1491}) = 3.409677215947725e-03$, $x_1 = 9.417272105608246e-01$, $x_2 = 8.864765186224052e-01$ 第1492次迭代 $f(x_{1492}) = 3.403104880326821e-03$, $x_1 = 9.416756092842364e-01$, $x_2 = 8.866358921127364e-01$ 第1493次迭代 $f(x_{1493}) = 3.396546891053993e-03$, $x_1 = 9.418400620383253e-01$, $x_2 = 8.866889577968742e-01$ 第1494次迭代 $f(x_{1494}) = 3.389999778630100e-03$, $x_1 = 9.417878436292436e-01$, $x_2 = 8.868483842560284e-01$ 第1495次迭代 $f(x_{1495}) = 3.383472508849001e-03$, $x_1 = 9.419527173753327e-01$, $x_2 = 8.869009499972262e-01$ 第1496次迭代 $f(x_{1496}) = 3.376950224399224e-03$, $x_1 = 9.418997999897591e-01$, $x_2 = 8.870604733336260e-01$ 第1497次迭代 $f(x_{1497}) = 3.370453091867219e-03$, $x_1 = 9.420591503279904e-01$, $x_2 = 8.871105998580177e-01$ 第1498次迭代 $f(x_{1498}) = 3.363967229223965e-03$, $x_1 = 9.420101927781798e-01$, $x_2 = 8.872759891384665e-01$ 第1499次迭代 $f(x_{1499}) = 3.357485696085079e-03$, $x_1 = 9.421713936403796e-01$, $x_2 = 8.873217229655765e-01$ 第1500次迭代 $f(x_{1500}) = 3.351029888898143e-03$, $x_1 = 9.421233905060631e-01$, $x_2 = 8.874812456883917e-01$ 第1501次迭代 $f(x_{1501}) = 3.344585138708174e-03$, $x_1 = 9.422873236516691e-01$, $x_2 = 8.875334846330390e-01$ 第1502次迭代 $f(x_{1502}) = 3.338142728080782e-03$, $x_1 = 9.422351269458018e-01$, $x_2 = 8.876903224497680e-01$ 第1503次迭代 $f(x_{1503}) = 3.331719290577950e-03$, $x_1 = 9.423972820752183e-01$, $x_2 = 8.877432299231458e-01$ 第1504次迭代 $f(x_{1504}) = 3.325310571382772e-03$, $x_1 = 9.423459962434277e-01$, $x_2 = 8.879008062309689e-01$ 第1505次迭代 $f(x_{1505}) = 3.318918773479062e-03$, $x_1 = 9.425089541331569e-01$, $x_2 = 8.879530148735860e-01$ 第1506次迭代 $f(x_{1506}) = 3.312533065997309e-03$, $x_1 = 9.424565887428644e-01$, $x_2 = 8.881108925104546e-01$ 第1507次迭代 $f(x_{1507}) = 3.306171324910827e-03$, $x_1 = 9.426144645241530e-01$, $x_2 = 8.881604814571590e-01$ 第1508次迭代 $f(x_{1508}) = 3.299822355203051e-03$, $x_1 = 9.425656223826728e-01$, $x_2 = 8.883243767943074e-01$ 第1509次迭代 $f(x_{1509}) = 3.293472207261580e-03$, $x_1 = 9.427238956909518e-01$, $x_2 = 8.883688983448346e-01$ 第1510次迭代 $f(x_{1510}) = 3.287145115040116e-03$, $x_1 = 9.426763182933823e-01$, $x_2 = 8.885318407603756e-01$ 第1511次迭代 $f(x_{1511}) = 3.280827776559479e-03$, $x_1 = 9.428349495949663e-01$, $x_2 = 8.885773980540298e-01$ 第1512次迭代 $f(x_{1512}) = 3.274533069556685e-03$, $x_1 =$

9.427860641436878e-01, x2 = 8.887407479837799e-01 第1513次迭代 f(x_1513)
=3.268234809691734e-03, x1 = 9.429439932792792e-01, x2 = 8.887849486424145e-01 第1514次
迭代 f(x_1514)=3.261962329257898e-03, x1 = 9.428962178569739e-01, x2 =
8.889474289730515e-01 第1515次迭代 f(x_1515)=3.255696519961867e-03, x1 =
9.430546566153518e-01, x2 = 8.889925803324131e-01 第1516次迭代 f(x_1516)
=3.249454358925023e-03, x1 = 9.430072153015078e-01, x2 = 8.891496102684092e-01 第1517次
迭代 f(x_1517)=3.243225045243147e-03, x1 = 9.431630690601285e-01, x2 =
8.891989671407454e-01 第1518次迭代 f(x_1518)=3.237007364917781e-03, x1 =
9.431149289175912e-01, x2 = 8.893610766037031e-01 第1519次迭代 f(x_1519)
=3.230789799261917e-03, x1 = 9.432715393639658e-01, x2 = 8.894052257234311e-01 第1520次
迭代 f(x_1520)=3.224594933786467e-03, x1 = 9.432242718312243e-01, x2 =
8.895665933577499e-01 第1521次迭代 f(x_1521)=3.218408137350042e-03, x1 =
9.433816155991225e-01, x2 = 8.896115676660552e-01 第1522次迭代 f(x_1522)
=3.212244049294880e-03, x1 = 9.433344565820133e-01, x2 = 8.897676366328579e-01 第1523次
迭代 f(x_1523)=3.206092576031385e-03, x1 = 9.434894564289962e-01, x2 =
8.898166713688952e-01 第1524次迭代 f(x_1524)=3.199953672549768e-03, x1 =
9.434413772616163e-01, x2 = 8.899779083452344e-01 第1525次迭代 f(x_1525)
=3.193812539252392e-03, x1 = 9.435973529280234e-01, x2 = 8.900216490208982e-01 第1526次
迭代 f(x_1526)=3.187697006501182e-03, x1 = 9.435499198242633e-01, x2 =
8.901822660452853e-01 第1527次迭代 f(x_1527)=3.181583954489042e-03, x1 =
9.437050612708199e-01, x2 = 8.902262011979789e-01 第1528次迭代 f(x_1528)
=3.175492002754742e-03, x1 = 9.436581953019281e-01, x2 = 8.903862407145363e-01 第1529次
迭代 f(x_1529)=3.169406520235533e-03, x1 = 9.438125811771957e-01, x2 =
8.904303292366208e-01 第1530次迭代 f(x_1530)=3.163338352182386e-03, x1 =
9.437662050879349e-01, x2 = 8.905898327887433e-01 第1531次迭代 f(x_1531)
=3.157280939398090e-03, x1 = 9.439216848189004e-01, x2 = 8.906345441040656e-01 第1532次
迭代 f(x_1532)=3.151244579442934e-03, x1 = 9.438750509153603e-01, x2 =
8.907889960489839e-01 第1533次迭代 f(x_1533)=3.145220486439613e-03, x1 =
9.440285802909261e-01, x2 = 8.908375308075955e-01 第1534次迭代 f(x_1534)
=3.139209318577608e-03, x1 = 9.439824141227845e-01, x2 = 8.909914702311073e-01 第1535次
迭代 f(x_1535)=3.133210354648804e-03, x1 = 9.441352890866729e-01, x2 =
8.910400976996307e-01 第1536次迭代 f(x_1536)=3.127223812302776e-03, x1 =
9.440877860712658e-01, x2 = 8.911993688125516e-01 第1537次迭代 f(x_1537)
=3.121234486207275e-03, x1 = 9.442420502106059e-01, x2 = 8.912425423033939e-01 第1538次
迭代 f(x_1538)=3.115272477689984e-03, x1 = 9.441947477444772e-01, x2 =
8.914014329402635e-01 第1539次迭代 f(x_1539)=3.109308515713985e-03, x1 =
9.443486234720513e-01, x2 = 8.914445683646857e-01 第1540次迭代 f(x_1540)
=3.103371237717289e-03, x1 = 9.443014485498402e-01, x2 = 8.916031177477822e-01 第1541次
迭代 f(x_1541)=3.097432204872948e-03, x1 = 9.444550090606447e-01, x2 =
8.916461769526404e-01 第1542次迭代 f(x_1542)=3.091519854068647e-03, x1 =
9.444078893622175e-01, x2 = 8.918044239275106e-01 第1543次迭代 f(x_1543)
=3.085605287659307e-03, x1 = 9.445563417387991e-01, x2 = 8.918460062408623e-01 第1544次
迭代 f(x_1544)=3.079673451195447e-03, x1 = 9.445135481791548e-01, x2 =
8.920095558553915e-01 第1545次迭代 f(x_1545)=3.073749559944597e-03, x1 =
9.446658417685058e-01, x2 = 8.920488716973226e-01 第1546次迭代 f(x_1546)
=3.067875464071012e-03, x1 = 9.446214734290150e-01, x2 = 8.922051212327513e-01 第1547次
迭代 f(x_1547)=3.062020596084523e-03, x1 = 9.447733978375743e-01, x2 =
8.922497428640730e-01 第1548次迭代 f(x_1548)=3.056182272125042e-03, x1 =
9.447264958315039e-01, x2 = 8.924070574623127e-01 第1549次迭代 f(x_1549)
=3.050340225280429e-03, x1 = 9.448741940787962e-01, x2 = 8.924483363537552e-01 第1550次

迭代 $f(x_{1550}) = 3.044485105277316e-03$, $x_1 = 9.448313765787070e-01$, $x_2 = 8.926110361448808e-01$ 第1551次迭代 $f(x_{1551}) = 3.038632181862734e-03$, $x_1 = 9.449831134636537e-01$, $x_2 = 8.926499466002433e-01$ 第1552次迭代 $f(x_{1552}) = 3.032833195613062e-03$, $x_1 = 9.449385295095963e-01$, $x_2 = 8.928054967700406e-01$ 第1553次迭代 $f(x_{1553}) = 3.027049737615417e-03$, $x_1 = 9.450901042846859e-01$, $x_2 = 8.928495728037102e-01$ 第1554次迭代 $f(x_{1554}) = 3.021284368225356e-03$, $x_1 = 9.450445039503256e-01$, $x_2 = 8.930005869313314e-01$ 第1555次迭代 $f(x_{1555}) = 3.015530657994429e-03$, $x_1 = 9.451949484466060e-01$, $x_2 = 8.930479911880239e-01$ 第1556次迭代 $f(x_{1556}) = 3.009789237141376e-03$, $x_1 = 9.451490509100563e-01$, $x_2 = 8.931989035284000e-01$ 第1557次迭代 $f(x_{1557}) = 3.004059429120512e-03$, $x_1 = 9.452996089624119e-01$, $x_2 = 8.932460008897291e-01$ 第1558次迭代 $f(x_{1558}) = 2.998341871524140e-03$, $x_1 = 9.452533461973794e-01$, $x_2 = 8.933968479003643e-01$ 第1559次迭代 $f(x_{1559}) = 2.992635881849527e-03$, $x_1 = 9.454040865245139e-01$, $x_2 = 8.934436026787970e-01$ 第1560次迭代 $f(x_{1560}) = 2.986942106852380e-03$, $x_1 = 9.453573901283920e-01$, $x_2 = 8.935944210023617e-01$ 第1561次迭代 $f(x_{1561}) = 2.981259856303706e-03$, $x_1 = 9.455083818947104e-01$, $x_2 = 8.936407972854253e-01$ 第1562次迭代 $f(x_{1562}) = 2.975589787964849e-03$, $x_1 = 9.454611829463032e-01$, $x_2 = 8.937916238247838e-01$ 第1563次迭代 $f(x_{1563}) = 2.969931202067494e-03$, $x_1 = 9.456124959047408e-01$, $x_2 = 8.938375853997467e-01$ 第1564次迭代 $f(x_{1564}) = 2.964283877637006e-03$, $x_1 = 9.455658436094639e-01$, $x_2 = 8.939849240032974e-01$ 第1565次迭代 $f(x_{1565}) = 2.958643483127986e-03$, $x_1 = 9.457184383362596e-01$, $x_2 = 8.940347165563534e-01$ 第1566次迭代 $f(x_{1566}) = 2.953009187904071e-03$, $x_1 = 9.456692550892691e-01$, $x_2 = 8.941817423531089e-01$ 第1567次迭代 $f(x_{1567}) = 2.947396157963963e-03$, $x_1 = 9.458224363931987e-01$, $x_2 = 8.942309714656957e-01$ 第1568次迭代 $f(x_{1568}) = 2.941779973741275e-03$, $x_1 = 9.457740031186738e-01$, $x_2 = 8.943735199461867e-01$ 第1569次迭代 $f(x_{1569}) = 2.936156315505528e-03$, $x_1 = 9.459299481113700e-01$, $x_2 = 8.944287019630902e-01$ 第1570次迭代 $f(x_{1570}) = 2.930520478373133e-03$, $x_1 = 9.458794980821140e-01$, $x_2 = 8.945658876524916e-01$ 第1571次迭代 $f(x_{1571}) = 2.924830709257178e-03$, $x_1 = 9.460418186034600e-01$, $x_2 = 8.946298093981985e-01$ 第1572次迭代 $f(x_{1572}) = 2.919081440079996e-03$, $x_1 = 9.459852176137562e-01$, $x_2 = 8.947661826989092e-01$ 第1573次迭代 $f(x_{1573}) = 2.913416932861724e-03$, $x_1 = 9.461472564929174e-01$, $x_2 = 8.948299537196868e-01$ 第1574次迭代 $f(x_{1574}) = 2.907690502150598e-03$, $x_1 = 9.460906823414375e-01$, $x_2 = 8.949660896360057e-01$ 第1575次迭代 $f(x_{1575}) = 2.902052554420074e-03$, $x_1 = 9.462525119851299e-01$, $x_2 = 8.950296724211715e-01$ 第1576次迭代 $f(x_{1576}) = 2.896347451595617e-03$, $x_1 = 9.461958929703862e-01$, $x_2 = 8.951656092790620e-01$ 第1577次迭代 $f(x_{1577}) = 2.890737179543332e-03$, $x_1 = 9.463493163096393e-01$, $x_2 = 8.952257263433747e-01$ 第1578次迭代 $f(x_{1578}) = 2.885201860956516e-03$, $x_1 = 9.462996638335799e-01$, $x_2 = 8.953615730500309e-01$ 第1579次迭代 $f(x_{1579}) = 2.879602588151485e-03$, $x_1 = 9.464603819482158e-01$, $x_2 = 8.954251512004431e-01$ 第1580次迭代 $f(x_{1580}) = 2.873953215673833e-03$, $x_1 = 9.464043724075688e-01$, $x_2 = 8.955603262843064e-01$ 第1581次迭代 $f(x_{1581}) = 2.868384301890198e-03$, $x_1 = 9.465650947439517e-01$, $x_2 = 8.956236056518140e-01$ 第1582次迭代 $f(x_{1582}) = 2.862751838498964e-03$, $x_1 = 9.465088288664086e-01$, $x_2 = 8.957586947032712e-01$ 第1583次迭代 $f(x_{1583}) = 2.857213455536313e-03$, $x_1 = 9.466614033719286e-01$, $x_2 = 8.958184193702332e-01$ 第1584次迭代 $f(x_{1584}) = 2.851745363237409e-03$, $x_1 = 9.466118568376584e-01$, $x_2 = 8.959535279258458e-01$ 第1585次迭代 $f(x_{1585}) = 2.846222742115403e-03$, $x_1 = 9.467718933305043e-01$, $x_2 = 8.960165821187266e-01$ 第1586次迭代 $f(x_{1586}) = 2.840637147459408e-03$, $x_1 = 9.467158154005665e-01$, $x_2 = 8.961511347104750e-01$ 第1587次迭代 $f(x_{1587}) = 2.835146617356741e-03$, $x_1 =$

9.468678713694719e-01, x2 = 8.962105773117580e-01 第1588次迭代 f(x_1588)
=2.829722156312759e-03, x1 = 9.468183528742534e-01, x2 = 8.963452199991864e-01 第1589次
迭代 f(x_1589)=2.824250662207711e-03, x1 = 9.469698188842909e-01, x2 =
8.964046988127771e-01 第1590次迭代 f(x_1590)=2.818852326075776e-03, x1 =
9.469206473066663e-01, x2 = 8.965389356814116e-01 第1591次迭代 f(x_1591)
=2.813399397647335e-03, x1 = 9.470797255245085e-01, x2 = 8.966016219702529e-01 第1592次
迭代 f(x_1592)=2.807881968000156e-03, x1 = 9.470238661122803e-01, x2 =
8.967354087814020e-01 第1593次迭代 f(x_1593)=2.802463025249109e-03, x1 =
9.471752080565289e-01, x2 = 8.967944013614408e-01 第1594次迭代 f(x_1594)
=2.797102361187069e-03, x1 = 9.471256747345597e-01, x2 = 8.969283808191535e-01 第1595次
迭代 f(x_1595)=2.791704786744889e-03, x1 = 9.472766225849203e-01, x2 =
8.969873082049373e-01 第1596次迭代 f(x_1596)=2.786367281699075e-03, x1 =
9.472272427574319e-01, x2 = 8.971209853042394e-01 第1597次迭代 f(x_1597)
=2.780991851074115e-03, x1 = 9.473778612866972e-01, x2 = 8.971798139646830e-01 第1598次
迭代 f(x_1598)=2.775676524162659e-03, x1 = 9.473285709562014e-01, x2 =
8.973132229300161e-01 第1599次迭代 f(x_1599)=2.770324003078311e-03, x1 =
9.474789243617435e-01, x2 = 8.973719196463710e-01 第1600次迭代 f(x_1600)
=2.765029889703449e-03, x1 = 9.474296600465052e-01, x2 = 8.975050944184494e-01 第1601次
迭代 f(x_1601)=2.759701037664249e-03, x1 = 9.475798120826238e-01, x2 =
8.975636262144341e-01 第1602次迭代 f(x_1602)=2.754427185809964e-03, x1 =
9.475305106852273e-01, x2 = 8.976966005195975e-01 第1603次迭代 f(x_1603)
=2.749122759609064e-03, x1 = 9.476805247935063e-01, x2 = 8.977549345926146e-01 第1604次
迭代 f(x_1604)=2.743868226235601e-03, x1 = 9.476311234712147e-01, x2 =
8.978877420112007e-01 第1605次迭代 f(x_1605)=2.738588983427770e-03, x1 =
9.477810629093426e-01, x2 = 8.979458456643995e-01 第1606次迭代 f(x_1606)
=2.733352830937882e-03, x1 = 9.477314989457991e-01, x2 = 8.980785196983720e-01 第1607次
迭代 f(x_1607)=2.728099533301545e-03, x1 = 9.478814269152921e-01, x2 =
8.981363602733258e-01 第1608次迭代 f(x_1608)=2.722880826054197e-03, x1 =
9.478316375931262e-01, x2 = 8.982689344133920e-01 第1609次迭代 f(x_1609)
=2.717654243065707e-03, x1 = 9.479816173663926e-01, x2 = 8.983264792231570e-01 第1610次
迭代 f(x_1610)=2.712452043913590e-03, x1 = 9.479315398402979e-01, x2 =
8.984589870156002e-01 第1611次迭代 f(x_1611)=2.707252956257156e-03, x1 =
9.480816348874708e-01, x2 = 8.985162032779337e-01 第1612次迭代 f(x_1612)
=2.702066323084627e-03, x1 = 9.480312060573268e-01, x2 = 8.986486783913882e-01 第1613次
迭代 f(x_1613)=2.696895526221420e-03, x1 = 9.481814801732916e-01, x2 =
8.987055331618956e-01 第1614次迭代 f(x_1614)=2.691723508459681e-03, x1 =
9.481306365569038e-01, x2 = 8.988380094542870e-01 第1615次迭代 f(x_1615)
=2.686581816279986e-03, x1 = 9.482811539889487e-01, x2 = 8.988944695592801e-01 第1616次
迭代 f(x_1616)=2.681423451376141e-03, x1 = 9.482298315939794e-01, x2 =
8.990269811451558e-01 第1617次迭代 f(x_1617)=2.676310806784999e-03, x1 =
9.483756392184767e-01, x2 = 8.990811489359299e-01 第1618次迭代 f(x_1618)
=2.671235431769358e-03, x1 = 9.483268224192682e-01, x2 = 8.992180194851174e-01 第1619次
迭代 f(x_1619)=2.666193733809121e-03, x1 = 9.484701495861019e-01, x2 =
8.992659543640695e-01 第1620次迭代 f(x_1620)=2.661163911840328e-03, x1 =
9.484237343148085e-01, x2 = 8.994049771893180e-01 第1621次迭代 f(x_1621)
=2.656151325893279e-03, x1 = 9.485640070983635e-01, x2 = 8.994497934834063e-01 第1622次
迭代 f(x_1622)=2.651150101860910e-03, x1 = 9.485202901232755e-01, x2 =
8.995912634982787e-01 第1623次迭代 f(x_1623)=2.646158493095446e-03, x1 =
9.486593864875086e-01, x2 = 8.996336970408282e-01 第1624次迭代 f(x_1624)
=2.641176264572377e-03, x1 = 9.486176686624525e-01, x2 = 8.997738795815312e-01 第1625次

迭代 $f(x_{1625}) = 2.636204851425965e-03$, $x_1 = 9.487579064207552e-01$, $x_2 = 8.998182586853795e-01$ 第1626次迭代 $f(x_{1626}) = 2.631244802583861e-03$, $x_1 = 9.487137648530304e-01$, $x_2 = 8.999594772075166e-01$ 第1627次迭代 $f(x_{1627}) = 2.626292652883557e-03$, $x_1 = 9.488529477459138e-01$, $x_2 = 9.000014215381732e-01$ 第1628次迭代 $f(x_{1628}) = 2.621351440772189e-03$, $x_1 = 9.488106945938025e-01$, $x_2 = 9.001414120542233e-01$ 第1629次迭代 $f(x_{1629}) = 2.616421045893324e-03$, $x_1 = 9.489511327122190e-01$, $x_2 = 9.001852322372943e-01$ 第1630次迭代 $f(x_{1630}) = 2.611500243014409e-03$, $x_1 = 9.489073791582974e-01$, $x_2 = 9.003230213377341e-01$ 第1631次迭代 $f(x_{1631}) = 2.606588605639392e-03$, $x_1 = 9.490458357113407e-01$, $x_2 = 9.003676586599517e-01$ 第1632次迭代 $f(x_{1632}) = 2.601688276471195e-03$, $x_1 = 9.490028147743105e-01$, $x_2 = 9.005075813475094e-01$ 第1633次迭代 $f(x_{1633}) = 2.596797773514902e-03$, $x_1 = 9.491403917379437e-01$, $x_2 = 9.005497093946528e-01$ 第1634次迭代 $f(x_{1634}) = 2.591916084271872e-03$, $x_1 = 9.490990587701887e-01$, $x_2 = 9.006885113596137e-01$ 第1635次迭代 $f(x_{1635}) = 2.587045191881234e-03$, $x_1 = 9.492380546246565e-01$, $x_2 = 9.007324144801908e-01$ 第1636次迭代 $f(x_{1636}) = 2.582185106074499e-03$, $x_1 = 9.491950632815926e-01$, $x_2 = 9.008691157664408e-01$ 第1637次迭代 $f(x_{1637}) = 2.577332777658530e-03$, $x_1 = 9.493322711383269e-01$, $x_2 = 9.009137354021246e-01$ 第1638次迭代 $f(x_{1638}) = 2.572491726154078e-03$, $x_1 = 9.492898379696649e-01$, $x_2 = 9.010526473470964e-01$ 第1639次迭代 $f(x_{1639}) = 2.567661074619608e-03$, $x_1 = 9.494263380819629e-01$, $x_2 = 9.010946849723701e-01$ 第1640次迭代 $f(x_{1640}) = 2.562838477824163e-03$, $x_1 = 9.493854080127901e-01$, $x_2 = 9.012325751882229e-01$ 第1641次迭代 $f(x_{1641}) = 2.558026671891308e-03$, $x_1 = 9.495234881119372e-01$, $x_2 = 9.012762886352546e-01$ 第1642次迭代 $f(x_{1642}) = 2.553225590853650e-03$, $x_1 = 9.494807435603126e-01$, $x_2 = 9.014121777301405e-01$ 第1643次迭代 $f(x_{1643}) = 2.548432167637824e-03$, $x_1 = 9.496172153503727e-01$, $x_2 = 9.014565144407137e-01$ 第1644次迭代 $f(x_{1644}) = 2.543650017015233e-03$, $x_1 = 9.495748557112280e-01$, $x_2 = 9.015946906600868e-01$ 第1645次迭代 $f(x_{1645}) = 2.538877565459164e-03$, $x_1 = 9.497107910477820e-01$, $x_2 = 9.016363728770278e-01$ 第1646次迭代 $f(x_{1646}) = 2.534113696573748e-03$, $x_1 = 9.496697619059311e-01$, $x_2 = 9.017736198182549e-01$ 第1647次迭代 $f(x_{1647}) = 2.529360630509772e-03$, $x_1 = 9.498074386543316e-01$, $x_2 = 9.018168786059170e-01$ 第1648次迭代 $f(x_{1648}) = 2.524616966290695e-03$, $x_1 = 9.497644379696543e-01$, $x_2 = 9.019522242892607e-01$ 第1649次迭代 $f(x_{1649}) = 2.519882114915503e-03$, $x_1 = 9.499006753690037e-01$, $x_2 = 9.019960187980571e-01$ 第1650次迭代 $f(x_{1650}) = 2.515158562088754e-03$, $x_1 = 9.498578846618115e-01$, $x_2 = 9.021337289658077e-01$ 第1651次迭代 $f(x_{1651}) = 2.510442766406720e-03$, $x_1 = 9.499937591288776e-01$, $x_2 = 9.021747952863982e-01$ 第1652次迭代 $f(x_{1652}) = 2.505737336085493e-03$, $x_1 = 9.499521355677815e-01$, $x_2 = 9.023116636758298e-01$ 第1653次迭代 $f(x_{1653}) = 2.501042287660495e-03$, $x_1 = 9.500866892399832e-01$, $x_2 = 9.023532095007074e-01$ 第1654次迭代 $f(x_{1654}) = 2.496354942160215e-03$, $x_1 = 9.500461611081520e-01$, $x_2 = 9.024892743942138e-01$ 第1655次迭代 $f(x_{1655}) = 2.491678408935675e-03$, $x_1 = 9.501826616743404e-01$, $x_2 = 9.025322697866969e-01$ 第1656次迭代 $f(x_{1656}) = 2.487011144988545e-03$, $x_1 = 9.501399620427596e-01$, $x_2 = 9.026665613603650e-01$ 第1657次迭代 $f(x_{1657}) = 2.482352636253466e-03$, $x_1 = 9.502752544118785e-01$, $x_2 = 9.027099726986353e-01$ 第1658次迭代 $f(x_{1658}) = 2.477705442059090e-03$, $x_1 = 9.502325406158596e-01$, $x_2 = 9.028467272381552e-01$ 第1659次迭代 $f(x_{1659}) = 2.473065082655651e-03$, $x_1 = 9.503676925570501e-01$, $x_2 = 9.028873166242015e-01$ 第1660次迭代 $f(x_{1660}) = 2.468435833378995e-03$, $x_1 = 9.503259212695998e-01$, $x_2 = 9.030233495712883e-01$ 第1661次迭代 $f(x_{1661}) = 2.463815488244211e-03$, $x_1 = 9.504599756821099e-01$, $x_2 = 9.030643028423901e-01$ 第1662次迭代 $f(x_{1662}) = 2.459204149323991e-03$, $x_1 =$

9.504190813677091e-01, x2 = 9.031996491913638e-01 第1663次迭代 f(x_1663)
=2.454603597979030e-03, x1 = 9.505521032014129e-01, x2 = 9.032409326114799e-01 第1664次
迭代 f(x_1664)=2.450010134861037e-03, x1 = 9.505120223479211e-01, x2 =
9.033756262832435e-01 第1665次迭代 f(x_1665)=2.445427513071847e-03, x1 =
9.506472414009843e-01, x2 = 9.034182043193968e-01 第1666次迭代 f(x_1666)
=2.440853598427284e-03, x1 = 9.506047446490727e-01, x2 = 9.035512812504538e-01 第1667次
迭代 f(x_1667)=2.436288802989045e-03, x1 = 9.507390351358238e-01, x2 =
9.035941305161788e-01 第1668次迭代 f(x_1668)=2.431734249046522e-03, x1 =
9.506972505162662e-01, x2 = 9.037266141594468e-01 第1669次迭代 f(x_1669)
=2.427187246974252e-03, x1 = 9.508306733245296e-01, x2 = 9.037697030861328e-01 第1670次
迭代 f(x_1670)=2.422651576058481e-03, x1 = 9.507885547705712e-01, x2 =
9.039047889819541e-01 第1671次迭代 f(x_1671)=2.418122613586846e-03, x1 =
9.509221553921156e-01, x2 = 9.039449231775860e-01 第1672次迭代 f(x_1672)
=2.413604678027304e-03, x1 = 9.508806457864369e-01, x2 = 9.040794657833590e-01 第1673次
迭代 f(x_1673)=2.409094690281130e-03, x1 = 9.510134812604861e-01, x2 =
9.041197918681058e-01 第1674次迭代 f(x_1674)=2.404594460872311e-03, x1 =
9.509725225032130e-01, x2 = 9.042538222153625e-01 第1675次迭代 f(x_1675)
=2.400103266732691e-03, x1 = 9.511046506880746e-01, x2 = 9.042943102212179e-01 第1676次
迭代 f(x_1676)=2.395620714842436e-03, x1 = 9.510641859995360e-01, x2 =
9.044278586388508e-01 第1677次迭代 f(x_1677)=2.391148139910712e-03, x1 =
9.511956634895095e-01, x2 = 9.044684792686608e-01 第1678次迭代 f(x_1678)
=2.386683237590580e-03, x1 = 9.511556372953235e-01, x2 = 9.046015754434901e-01 第1679次
迭代 f(x_1679)=2.382229113673102e-03, x1 = 9.512865195335187e-01, x2 =
9.046423000114826e-01 第1680次迭代 f(x_1680)=2.377781833772389e-03, x1 =
9.512468773538135e-01, x2 = 9.047749730466252e-01 第1681次迭代 f(x_1681)
=2.373345479460287e-03, x1 = 9.513803445137812e-01, x2 = 9.048167518723333e-01 第1682次
迭代 f(x_1682)=2.368916366343332e-03, x1 = 9.513379061790423e-01, x2 =
9.049480520702362e-01 第1683次迭代 f(x_1683)=2.364497610161402e-03, x1 =
9.514708758455317e-01, x2 = 9.049898793950784e-01 第1684次迭代 f(x_1684)
=2.360086600316098e-03, x1 = 9.514287255413261e-01, x2 = 9.051208128033865e-01 第1685次
迭代 f(x_1685)=2.355685419369276e-03, x1 = 9.515612515865723e-01, x2 =
9.051626607968867e-01 第1686次迭代 f(x_1686)=2.351292359555359e-03, x1 =
9.515193362424308e-01, x2 = 9.052932557414797e-01 第1687次迭代 f(x_1687)
=2.346908732250470e-03, x1 = 9.516514717886712e-01, x2 = 9.053350969733746e-01 第1688次
迭代 f(x_1688)=2.342533473733208e-03, x1 = 9.516097390338528e-01, x2 =
9.054653814041337e-01 第1689次迭代 f(x_1689)=2.338167379918471e-03, x1 =
9.517415365521560e-01, x2 = 9.055071887923740e-01 第1690次迭代 f(x_1690)
=2.333809778123298e-03, x1 = 9.516999346179936e-01, x2 = 9.056371903345403e-01 第1691次
迭代 f(x_1691)=2.329461199234708e-03, x1 = 9.518314460247812e-01, x2 =
9.056789370945278e-01 第1692次迭代 f(x_1692)=2.325121113426803e-03, x1 =
9.517899236491826e-01, x2 = 9.058086830989051e-01 第1693次迭代 f(x_1693)
=2.320790032642038e-03, x1 = 9.519212004007481e-01, x2 = 9.058503426938035e-01 第1694次
迭代 f(x_1694)=2.316467325628445e-03, x1 = 9.518797067345547e-01, x2 =
9.059798602859642e-01 第1695次迭代 f(x_1695)=2.312153728029039e-03, x1 =
9.520107999198729e-01, x2 = 9.060214063779314e-01 第1696次迭代 f(x_1696)
=2.307848265881398e-03, x1 = 9.519692844347857e-01, x2 = 9.061507225065776e-01 第1697次
迭代 f(x_1697)=2.303552138624027e-03, x1 = 9.521002448668979e-01, x2 =
9.061921289087664e-01 第1698次迭代 f(x_1698)=2.299263790419856e-03, x1 =
9.520586572646902e-01, x2 = 9.063212703933939e-01 第1699次迭代 f(x_1699)
=2.294985122917422e-03, x1 = 9.521895355709415e-01, x2 = 9.063625110225791e-01 第1700次

迭代 $f(x_{1700}) = 2.290713760498555e-03$, $x_1 = 9.521478256936839e-01$, $x_2 = 9.064915046005876e-01$ 第1701次迭代 $f(x_{1701}) = 2.286452544612283e-03$, $x_1 = 9.522786724050875e-01$, $x_2 = 9.065325534302715e-01$ 第1702次迭代 $f(x_{1702}) = 2.282198042358498e-03$, $x_1 = 9.522367901461147e-01$, $x_2 = 9.066614258036654e-01$ 第1703次迭代 $f(x_{1703}) = 2.277953898983003e-03$, $x_1 = 9.523645909403954e-01$, $x_2 = 9.067013005637858e-01$ 第1704次迭代 $f(x_{1704}) = 2.273716458190165e-03$, $x_1 = 9.523255518722873e-01$, $x_2 = 9.068310345282526e-01$ 第1705次迭代 $f(x_{1705}) = 2.269488969793998e-03$, $x_1 = 9.524534190806337e-01$, $x_2 = 9.068706719118866e-01$ 第1706次迭代 $f(x_{1706}) = 2.265268932930625e-03$, $x_1 = 9.524141103392751e-01$, $x_2 = 9.070003316619527e-01$ 第1707次迭代 $f(x_{1707}) = 2.261057981312373e-03$, $x_1 = 9.525420935393937e-01$, $x_2 = 9.070397061495413e-01$ 第1708次迭代 $f(x_{1708}) = 2.256855347674070e-03$, $x_1 = 9.525024658385862e-01$, $x_2 = 9.071693179431907e-01$ 第1709次迭代 $f(x_{1709}) = 2.252660816402787e-03$, $x_1 = 9.526306148567084e-01$, $x_2 = 9.072084038910000e-01$ 第1710次迭代 $f(x_{1710}) = 2.248475588619053e-03$, $x_1 = 9.525906186167077e-01$, $x_2 = 9.073379941316206e-01$ 第1711次迭代 $f(x_{1711}) = 2.244297362866204e-03$, $x_1 = 9.527189836144030e-01$, $x_2 = 9.073767657262931e-01$ 第1712次迭代 $f(x_{1712}) = 2.240129494250510e-03$, $x_1 = 9.526795153794853e-01$, $x_2 = 9.075033259140748e-01$ 第1713次迭代 $f(x_{1713}) = 2.235967518216330e-03$, $x_1 = 9.528072006343686e-01$, $x_2 = 9.075447922047281e-01$ 第1714次迭代 $f(x_{1714}) = 2.231815779245327e-03$, $x_1 = 9.527672741323420e-01$, $x_2 = 9.076713836866134e-01$ 第1715次迭代 $f(x_{1715}) = 2.227671176018248e-03$, $x_1 = 9.528952663894329e-01$, $x_2 = 9.077124838826420e-01$ 第1716次迭代 $f(x_{1716}) = 2.223535457859999e-03$, $x_1 = 9.528548318205616e-01$, $x_2 = 9.078391331422572e-01$ 第1717次迭代 $f(x_{1717}) = 2.219408239644393e-03$, $x_1 = 9.529831815900577e-01$, $x_2 = 9.078798412758728e-01$ 第1718次迭代 $f(x_{1718}) = 2.215288434525741e-03$, $x_1 = 9.529421885209003e-01$, $x_2 = 9.080065751203300e-01$ 第1719次迭代 $f(x_{1719}) = 2.211178233207099e-03$, $x_1 = 9.530679314944714e-01$, $x_2 = 9.080459212973305e-01$ 第1720次迭代 $f(x_{1720}) = 2.207074572178684e-03$, $x_1 = 9.530293451078089e-01$, $x_2 = 9.081737103160299e-01$ 第1721次迭代 $f(x_{1721}) = 2.202980117695805e-03$, $x_1 = 9.531555365039958e-01$, $x_2 = 9.08216225815105e-01$ 第1722次迭代 $f(x_{1722}) = 2.198893831983154e-03$, $x_1 = 9.531163007347840e-01$, $x_2 = 9.083405397736707e-01$ 第1723次迭代 $f(x_{1723}) = 2.194815020020213e-03$, $x_1 = 9.532429921103303e-01$, $x_2 = 9.083789916183900e-01$ 第1724次迭代 $f(x_{1724}) = 2.190746012957670e-03$, $x_1 = 9.532039906510541e-01$, $x_2 = 9.085040649603887e-01$ 第1725次迭代 $f(x_{1725}) = 2.186682866407919e-03$, $x_1 = 9.533302993751132e-01$, $x_2 = 9.085450288160446e-01$ 第1726次迭代 $f(x_{1726}) = 2.182629354978508e-03$, $x_1 = 9.532905616536118e-01$, $x_2 = 9.086702815293549e-01$ 第1727次迭代 $f(x_{1727}) = 2.178583580390023e-03$, $x_1 = 9.534174590261059e-01$, $x_2 = 9.087107345865753e-01$ 第1728次迭代 $f(x_{1728}) = 2.174545463985755e-03$, $x_1 = 9.533769326158177e-01$, $x_2 = 9.088361944820054e-01$ 第1729次迭代 $f(x_{1729}) = 2.170516528285033e-03$, $x_1 = 9.535014850795196e-01$, $x_2 = 9.088751745036752e-01$ 第1730次迭代 $f(x_{1730}) = 2.166494228744330e-03$, $x_1 = 9.534631041804216e-01$, $x_2 = 9.090018046180725e-01$ 第1731次迭代 $f(x_{1731}) = 2.162480538228122e-03$, $x_1 = 9.535883355318844e-01$, $x_2 = 9.090402323459075e-01$ 第1732次迭代 $f(x_{1732}) = 2.158475634374660e-03$, $x_1 = 9.535490753014179e-01$, $x_2 = 9.091671130806757e-01$ 第1733次迭代 $f(x_{1733}) = 2.154477090208100e-03$, $x_1 = 9.536750400817369e-01$, $x_2 = 9.092049604717979e-01$ 第1734次迭代 $f(x_{1734}) = 2.150487959968114e-03$, $x_1 = 9.536357870362157e-01$, $x_2 = 9.093291428104402e-01$ 第1735次迭代 $f(x_{1735}) = 2.146506136777524e-03$, $x_1 = 9.537616000030640e-01$, $x_2 = 9.093693591673407e-01$ 第1736次迭代 $f(x_{1736}) = 2.142532023596622e-03$, $x_1 = 9.537213794292156e-01$, $x_2 = 9.094938438852239e-01$ 第1737次迭代 $f(x_{1737}) = 2.138566777493116e-03$, $x_1 =$

9.538450504342129e-01, x2 = 9.095325016510640e-01 第1738次迭代 f(x_1738)
=2.134608391770845e-03, x1 = 9.538067725164459e-01, x2 = 9.096582455269430e-01 第1739次
迭代 f(x_1739)=2.130658022657653e-03, x1 = 9.539313029470150e-01, x2 =
9.096962583587176e-01 第1740次迭代 f(x_1740)=2.126716799283268e-03, x1 =
9.538928863696118e-01, x2 = 9.098193959455497e-01 第1741次迭代 f(x_1741)
=2.122781487045794e-03, x1 = 9.540174129851413e-01, x2 = 9.098596870883879e-01 第1742次
迭代 f(x_1742)=2.118855020625409e-03, x1 = 9.539779040180648e-01, x2 =
9.099831935717733e-01 第1743次迭代 f(x_1743)=2.114937137766571e-03, x1 =
9.541033816278027e-01, x2 = 9.100227880539210e-01 第1744次迭代 f(x_1744)
=2.111024154761800e-03, x1 = 9.540631850373565e-01, x2 = 9.101452820290789e-01 第1745次
迭代 f(x_1745)=2.107120846834922e-03, x1 = 9.541877572845761e-01, x2 =
9.101851522299291e-01 第1746次迭代 f(x_1746)=2.103225096398028e-03, x1 =
9.541478160306861e-01, x2 = 9.103084824273058e-01 第1747次迭代 f(x_1747)
=2.099337849707906e-03, x1 = 9.542704924236556e-01, x2 = 9.103466908978787e-01 第1748次
迭代 f(x_1748)=2.095457967054478e-03, x1 = 9.542322472526460e-01, x2 =
9.104713878752102e-01 第1749次迭代 f(x_1749)=2.091585175210463e-03, x1 =
9.543560049597131e-01, x2 = 9.105088376624174e-01 第1750次迭代 f(x_1750)
=2.087721179508352e-03, x1 = 9.543174029983135e-01, x2 = 9.106310684385542e-01 第1751次
迭代 f(x_1751)=2.083864376515364e-03, x1 = 9.544413796098893e-01, x2 =
9.106706583098803e-01 第1752次迭代 f(x_1752)=2.080014727416454e-03, x1 =
9.544014624979607e-01, x2 = 9.107933763349988e-01 第1753次迭代 f(x_1753)
=2.076173380005835e-03, x1 = 9.545236865831854e-01, x2 = 9.108312447795585e-01 第1754次
迭代 f(x_1754)=2.072340016087137e-03, x1 = 9.544853216132011e-01, x2 =
9.109553921188300e-01 第1755次迭代 f(x_1755)=2.068511878768755e-03, x1 =
9.546073528174303e-01, x2 = 9.109920115328100e-01 第1756次迭代 f(x_1756)
=2.064693075647583e-03, x1 = 9.545694663715381e-01, x2 = 9.111157059383446e-01 第1757次
迭代 f(x_1757)=2.060881405900640e-03, x1 = 9.546922763732677e-01, x2 =
9.111528854405773e-01 第1758次迭代 f(x_1758)=2.057078257018934e-03, x1 =
9.546538595692917e-01, x2 = 9.112742249454356e-01 第1759次迭代 f(x_1759)
=2.053282563496856e-03, x1 = 9.547770659595166e-01, x2 = 9.113134345511478e-01 第1760次
迭代 f(x_1760)=2.049492409523618e-03, x1 = 9.547376188482585e-01, x2 =
9.114339618534917e-01 第1761次迭代 f(x_1761)=2.045711286667979e-03, x1 =
9.548602923884508e-01, x2 = 9.114732554746966e-01 第1762次迭代 f(x_1762)
=2.041937388745478e-03, x1 = 9.548207390053003e-01, x2 = 9.115947934941451e-01 第1763次
迭代 f(x_1763)=2.038171469073831e-03, x1 = 9.549418964571047e-01, x2 =
9.116322673050160e-01 第1764次迭代 f(x_1764)=2.034413826691261e-03, x1 =
9.549036574365953e-01, x2 = 9.117553378731037e-01 第1765次迭代 f(x_1765)
=2.030660364129139e-03, x1 = 9.550248441612889e-01, x2 = 9.117914597018021e-01 第1766次
迭代 f(x_1766)=2.026917296671257e-03, x1 = 9.549868606858763e-01, x2 =
9.119141961041247e-01 第1767次迭代 f(x_1767)=2.023178976464562e-03, x1 =
9.551076495599389e-01, x2 = 9.119503393830886e-01 第1768次迭代 f(x_1768)
=2.019450489466984e-03, x1 = 9.550698768052254e-01, x2 = 9.120727654869513e-01 第1769次
迭代 f(x_1769)=2.015727165839860e-03, x1 = 9.551903127263928e-01, x2 =
9.121089071277085e-01 第1770次迭代 f(x_1770)=2.012013265172771e-03, x1 =
9.551527064475003e-01, x2 = 9.122310464905403e-01 第1771次迭代 f(x_1771)
=2.008304796124791e-03, x1 = 9.552728337703903e-01, x2 = 9.122671636934820e-01 第1772次
迭代 f(x_1772)=2.004605488184686e-03, x1 = 9.552353502263220e-01, x2 =
9.123890396024665e-01 第1773次迭代 f(x_1773)=2.000911735165773e-03, x1 =
9.553552128372346e-01, x2 = 9.124251098176550e-01 第1774次迭代 f(x_1774)
=1.997227027068237e-03, x1 = 9.553178087168867e-01, x2 = 9.125467453284821e-01 第1775次

迭代 $f(x_{1775}) = 1.993547854672657e-03$, $x_1 = 9.554374501070572e-01$, $x_2 = 9.125827462172843e-01$ 第1776次迭代 $f(x_{1776}) = 1.989877754447350e-03$, $x_1 = 9.554000824566687e-01$, $x_2 = 9.127041641921337e-01$ 第1777次迭代 $f(x_{1777}) = 1.986213030124834e-03$, $x_1 = 9.555195457941882e-01$, $x_2 = 9.127400735895689e-01$ 第1778次迭代 $f(x_{1778}) = 1.982557546913540e-03$, $x_1 = 9.554821719460206e-01$, $x_2 = 9.128612967344345e-01$ 第1779次迭代 $f(x_{1779}) = 1.978907140695816e-03$, $x_1 = 9.556015001466233e-01$, $x_2 = 9.128970926121286e-01$ 第1780次迭代 $f(x_{1780}) = 1.975266284954435e-03$, $x_1 = 9.555640776486721e-01$, $x_2 = 9.130181435135895e-01$ 第1781次迭代 $f(x_{1781}) = 1.971630069195434e-03$, $x_1 = 9.556833134455877e-01$, $x_2 = 9.130538039432354e-01$ 第1782次迭代 $f(x_{1782}) = 1.968003852901237e-03$, $x_1 = 9.556457999921303e-01$, $x_2 = 9.131747051047719e-01$ 第1783次迭代 $f(x_{1783}) = 1.964381702029568e-03$, $x_1 = 9.557649860051942e-01$, $x_2 = 9.132102082219919e-01$ 第1784次迭代 $f(x_{1784}) = 1.960769728309272e-03$, $x_1 = 9.557282210442929e-01$, $x_2 = 9.133281536011820e-01$ 第1785次迭代 $f(x_{1785}) = 1.957163721762723e-03$, $x_1 = 9.558478925688613e-01$, $x_2 = 9.133667133672321e-01$ 第1786次迭代 $f(x_{1786}) = 1.953564093655193e-03$, $x_1 = 9.558095814518043e-01$, $x_2 = 9.134841492646665e-01$ 第1787次迭代 $f(x_{1787}) = 1.949972749155274e-03$, $x_1 = 9.559292855779640e-01$, $x_2 = 9.135225027897863e-01$ 第1788次迭代 $f(x_{1788}) = 1.946386872767704e-03$, $x_1 = 9.558907605559293e-01$, $x_2 = 9.136398610411034e-01$ 第1789次迭代 $f(x_{1789}) = 1.942810207283480e-03$, $x_1 = 9.560105394804990e-01$, $x_2 = 9.136779867098821e-01$ 第1790次迭代 $f(x_{1790}) = 1.939237964440506e-03$, $x_1 = 9.559717586433718e-01$, $x_2 = 9.137952895714468e-01$ 第1791次迭代 $f(x_{1791}) = 1.935675308364689e-03$, $x_1 = 9.560888467824907e-01$, $x_2 = 9.138322786386701e-01$ 第1792次迭代 $f(x_{1792}) = 1.932119210266623e-03$, $x_1 = 9.560521260912559e-01$, $x_2 = 9.139517875814035e-01$ 第1793次迭代 $f(x_{1793}) = 1.928568428746310e-03$, $x_1 = 9.561698195007321e-01$, $x_2 = 9.139871600907357e-01$ 第1794次迭代 $f(x_{1794}) = 1.925027041460584e-03$, $x_1 = 9.561327597424790e-01$, $x_2 = 9.141066512690778e-01$ 第1795次迭代 $f(x_{1795}) = 1.921489600602427e-03$, $x_1 = 9.562506535434424e-01$, $x_2 = 9.141417381851547e-01$ 第1796次迭代 $f(x_{1796}) = 1.917961985574654e-03$, $x_1 = 9.562140894072348e-01$, $x_2 = 9.142584354199533e-01$ 第1797次迭代 $f(x_{1797}) = 1.914440896481565e-03$, $x_1 = 9.563327118288866e-01$, $x_2 = 9.142964144505362e-01$ 第1798次迭代 $f(x_{1798}) = 1.910924819970510e-03$, $x_1 = 9.562943709788136e-01$, $x_2 = 9.144127374335835e-01$ 第1799次迭代 $f(x_{1799}) = 1.907417885204160e-03$, $x_1 = 9.564104892289947e-01$, $x_2 = 9.144495016070822e-01$ 第1800次迭代 $f(x_{1800}) = 1.903917424545734e-03$, $x_1 = 9.563740262768923e-01$, $x_2 = 9.145681011416695e-01$ 第1801次迭代 $f(x_{1801}) = 1.900422065965322e-03$, $x_1 = 9.564909066824001e-01$, $x_2 = 9.146031770984177e-01$ 第1802次迭代 $f(x_{1802}) = 1.896935957911370e-03$, $x_1 = 9.564548094053987e-01$, $x_2 = 9.147190652459680e-01$ 第1803次迭代 $f(x_{1803}) = 1.893455854166462e-03$, $x_1 = 9.565725393702167e-01$, $x_2 = 9.147569516008308e-01$ 第1804次迭代 $f(x_{1804}) = 1.889981303666083e-03$, $x_1 = 9.565345591920225e-01$, $x_2 = 9.148725282600233e-01$ 第1805次迭代 $f(x_{1805}) = 1.886515538834921e-03$, $x_1 = 9.566499223600445e-01$, $x_2 = 9.149091423407932e-01$ 第1806次迭代 $f(x_{1806}) = 1.883056116283737e-03$, $x_1 = 9.566136861532663e-01$, $x_2 = 9.150270470704548e-01$ 第1807次迭代 $f(x_{1807}) = 1.879601755807731e-03$, $x_1 = 9.567299259853319e-01$, $x_2 = 9.150619208080961e-01$ 第1808次迭代 $f(x_{1808}) = 1.876156486465761e-03$, $x_1 = 9.566939347997256e-01$, $x_2 = 9.151771917158756e-01$ 第1809次迭代 $f(x_{1809}) = 1.872717484217861e-03$, $x_1 = 9.568111404045444e-01$, $x_2 = 9.152147967652450e-01$ 第1810次迭代 $f(x_{1810}) = 1.869283414536481e-03$, $x_1 = 9.567731558996617e-01$, $x_2 = 9.153298210617523e-01$ 第1811次迭代 $f(x_{1811}) = 1.865858173933957e-03$, $x_1 = 9.568881236691761e-01$, $x_2 = 9.153661007665217e-01$ 第1812次迭代 $f(x_{1812}) = 1.862439919826285e-03$, $x_1 =$

9.568517531260607e-01, x2 = 9.154835026762905e-01 第1813次迭代 f(x_1813)
=1.859025491366613e-03, x1 = 9.569640369520650e-01, x2 = 9.155168929561447e-01 第1814次
迭代 f(x_1814)=1.855606342521259e-03, x1 = 9.569307046345308e-01, x2 =
9.156362398811789e-01 第1815次迭代 f(x_1815)=1.852200297413014e-03, x1 =
9.570439433529140e-01, x2 = 9.156689600291217e-01 第1816次迭代 f(x_1816)
=1.848800619124533e-03, x1 = 9.570094710134887e-01, x2 = 9.157887033413052e-01 第1817次
迭代 f(x_1817)=1.845402631291210e-03, x1 = 9.571237188494472e-01, x2 =
9.158207255385016e-01 第1818次迭代 f(x_1818)=1.842021179862802e-03, x1 =
9.570893515992065e-01, x2 = 9.159365144493400e-01 第1819次迭代 f(x_1819)
=1.838649166190145e-03, x1 = 9.572042036952045e-01, x2 = 9.159721379717971e-01 第1820次
迭代 f(x_1820)=1.835284029060157e-03, x1 = 9.571681059913916e-01, x2 =
9.160863506277480e-01 第1821次迭代 f(x_1821)=1.831925437654553e-03, x1 =
9.572818652721342e-01, x2 = 9.161223665919399e-01 第1822次迭代 f(x_1822)
=1.828573668639697e-03, x1 = 9.572466816487452e-01, x2 = 9.162359195166329e-01 第1823次
迭代 f(x_1823)=1.825227570607346e-03, x1 = 9.573621029434493e-01, x2 =
9.162731737517059e-01 第1824次迭代 f(x_1824)=1.821886824208651e-03, x1 =
9.573246874917436e-01, x2 = 9.163866212024316e-01 第1825次迭代 f(x_1825)
=1.818554410656426e-03, x1 = 9.574381730095157e-01, x2 = 9.164224254108529e-01 第1826次
迭代 f(x_1826)=1.815228745873244e-03, x1 = 9.574029187488892e-01, x2 =
9.165356484888983e-01 第1827次迭代 f(x_1827)=1.811909225067235e-03, x1 =
9.575181391543894e-01, x2 = 9.165726451587728e-01 第1828次迭代 f(x_1828)
=1.808594116568788e-03, x1 = 9.574817719751525e-01, x2 = 9.166822144216732e-01 第1829次
迭代 f(x_1829)=1.805274467104655e-03, x1 = 9.575971423924963e-01, x2 =
9.167226181763771e-01 第1830次迭代 f(x_1830)=1.801966359180782e-03, x1 =
9.575593973569331e-01, x2 = 9.168327293987327e-01 第1831次迭代 f(x_1831)
=1.798667189552476e-03, x1 = 9.576760236649638e-01, x2 = 9.168722903586953e-01 第1832次
迭代 f(x_1832)=1.795365701001067e-03, x1 = 9.576368387865828e-01, x2 =
9.169829760881661e-01 第1833次迭代 f(x_1833)=1.792083299516206e-03, x1 =
9.577504859145105e-01, x2 = 9.170202516834198e-01 第1834次迭代 f(x_1834)
=1.788808155342489e-03, x1 = 9.577139946689132e-01, x2 = 9.171323156060653e-01 第1835次
迭代 f(x_1835)=1.785540475591619e-03, x1 = 9.578259192025168e-01, x2 =
9.171680532276149e-01 第1836次迭代 f(x_1836)=1.782279103962702e-03, x1 =
9.577905390213398e-01, x2 = 9.172826849042288e-01 第1837次迭代 f(x_1837)
=1.779021471155049e-03, x1 = 9.579002902653222e-01, x2 = 9.173153634620843e-01 第1838次
迭代 f(x_1838)=1.775760628427019e-03, x1 = 9.578674165848929e-01, x2 =
9.174321389787859e-01 第1839次迭代 f(x_1839)=1.772509219004376e-03, x1 =
9.579785564796207e-01, x2 = 9.174639261910966e-01 第1840次迭代 f(x_1840)
=1.769269357966679e-03, x1 = 9.579453616490330e-01, x2 = 9.175770510195533e-01 第1841次
迭代 f(x_1841)=1.766039674316981e-03, x1 = 9.580575209280723e-01, x2 =
9.176121423550678e-01 第1842次迭代 f(x_1842)=1.762816464562498e-03, x1 =
9.580222297005829e-01, x2 = 9.177239327400921e-01 第1843次迭代 f(x_1843)
=1.759599425540325e-03, x1 = 9.581337328723254e-01, x2 = 9.177591925582056e-01 第1844次
迭代 f(x_1844)=1.756388821927386e-03, x1 = 9.580989279941772e-01, x2 =
9.178705506014524e-01 第1845次迭代 f(x_1845)=1.753184358875977e-03, x1 =
9.582098162960467e-01, x2 = 9.179059577388645e-01 第1846次迭代 f(x_1846)
=1.749986294109945e-03, x1 = 9.581754573241724e-01, x2 = 9.180169049135023e-01 第1847次
迭代 f(x_1847)=1.746794068451578e-03, x1 = 9.582884165541855e-01, x2 =
9.180532908415220e-01 第1848次迭代 f(x_1848)=1.743605664817971e-03, x1 =
9.582526038062945e-01, x2 = 9.181608417008750e-01 第1849次迭代 f(x_1849)
=1.740414746644960e-03, x1 = 9.583660841640029e-01, x2 = 9.182003758847151e-01 第1850次

迭代 $f(x_{1850}) = 1.737231680263465e-03$, $x_1 = 9.583285468800896e-01$, $x_2 = 9.183086523004211e-01$ 第1851次迭代 $f(x_{1851}) = 1.734061132237813e-03$, $x_1 = 9.584394454613167e-01$, $x_2 = 9.183457586603466e-01$ 第1852次迭代 $f(x_{1852}) = 1.730900188991493e-03$, $x_1 = 9.584037962850269e-01$, $x_2 = 9.184568413328207e-01$ 第1853次迭代 $f(x_{1853}) = 1.727745268756476e-03$, $x_1 = 9.585150058530558e-01$, $x_2 = 9.184913911504047e-01$ 第1854次迭代 $f(x_{1854}) = 1.724596640634307e-03$, $x_1 = 9.584796608581471e-01$, $x_2 = 9.186021382607866e-01$ 第1855次迭代 $f(x_{1855}) = 1.721454008065485e-03$, $x_1 = 9.585904380361746e-01$, $x_2 = 9.186367420888725e-01$ 第1856次迭代 $f(x_{1856}) = 1.718317635670678e-03$, $x_1 = 9.585553593225388e-01$, $x_2 = 9.187471737587554e-01$ 第1857次迭代 $f(x_{1857}) = 1.715187231883110e-03$, $x_1 = 9.586657420294397e-01$, $x_2 = 9.187818121852204e-01$ 第1858次迭代 $f(x_{1858}) = 1.712063057412719e-03$, $x_1 = 9.586308922858164e-01$, $x_2 = 9.188919482241588e-01$ 第1859次迭代 $f(x_{1859}) = 1.708944825095083e-03$, $x_1 = 9.587409178806744e-01$, $x_2 = 9.189266021320970e-01$ 第1860次迭代 $f(x_{1860}) = 1.705832792277846e-03$, $x_1 = 9.587062603253196e-01$, $x_2 = 9.190364620685955e-01$ 第1861次迭代 $f(x_{1861}) = 1.702726675632514e-03$, $x_1 = 9.588159656659736e-01$, $x_2 = 9.190711126057398e-01$ 第1862次迭代 $f(x_{1862}) = 1.699626729674071e-03$, $x_1 = 9.587814639888558e-01$, $x_2 = 9.191807157174335e-01$ 第1863次迭代 $f(x_{1863}) = 1.696532674364375e-03$, $x_1 = 9.588908854889951e-01$, $x_2 = 9.192153442663441e-01$ 第1864次迭代 $f(x_{1864}) = 1.693444761899320e-03$, $x_1 = 9.588565037953687e-01$, $x_2 = 9.193247096094519e-01$ 第1865次迭代 $f(x_{1865}) = 1.690362715003597e-03$, $x_1 = 9.589656774803292e-01$, $x_2 = 9.193592977583940e-01$ 第1866次迭代 $f(x_{1866}) = 1.687286784054086e-03$, $x_1 = 9.589313802355318e-01$, $x_2 = 9.194684441965223e-01$ 第1867次迭代 $f(x_{1867}) = 1.684216694026150e-03$, $x_1 = 9.590403417969375e-01$, $x_2 = 9.195029737109556e-01$ 第1868次迭代 $f(x_{1868}) = 1.681152693966768e-03$, $x_1 = 9.590060937722711e-01$, $x_2 = 9.196119199433271e-01$ 第1869次迭代 $f(x_{1869}) = 1.678094510602568e-03$, $x_1 = 9.591148786216658e-01$, $x_2 = 9.196463727379327e-01$ 第1870次迭代 $f(x_{1870}) = 1.675042392131137e-03$, $x_1 = 9.590806448412165e-01$, $x_2 = 9.197551373271158e-01$ 第1871次迭代 $f(x_{1871}) = 1.671996066541244e-03$, $x_1 = 9.591892881628225e-01$, $x_2 = 9.197894954382878e-01$ 第1872次迭代 $f(x_{1872}) = 1.668955781655329e-03$, $x_1 = 9.591550338510890e-01$, $x_2 = 9.198980968374945e-01$ 第1873次迭代 $f(x_{1873}) = 1.665921266243118e-03$, $x_1 = 9.592635706538255e-01$, $x_2 = 9.199323423962283e-01$ 第1874次迭代 $f(x_{1874}) = 1.662892768222108e-03$, $x_1 = 9.592292611840207e-01$, $x_2 = 9.200407989762516e-01$ 第1875次迭代 $f(x_{1875}) = 1.659870016667440e-03$, $x_1 = 9.593377263529131e-01$, $x_2 = 9.200749141813597e-01$ 第1876次迭代 $f(x_{1876}) = 1.656853260060048e-03$, $x_1 = 9.593033271958097e-01$, $x_2 = 9.201832442572165e-01$ 第1877次迭代 $f(x_{1877}) = 1.653842227308327e-03$, $x_1 = 9.594117555429195e-01$, $x_2 = 9.202172113488035e-01$ 第1878次迭代 $f(x_{1878}) = 1.650837167925388e-03$, $x_1 = 9.593772322161120e-01$, $x_2 = 9.203254332061521e-01$ 第1879次迭代 $f(x_{1879}) = 1.647837810181851e-03$, $x_1 = 9.594856585311121e-01$, $x_2 = 9.203592344392849e-01$ 第1880次迭代 $f(x_{1880}) = 1.644844405094350e-03$, $x_1 = 9.594509765485727e-01$, $x_2 = 9.204673663606779e-01$ 第1881次迭代 $f(x_{1881}) = 1.641856679823628e-03$, $x_1 = 9.595594356490920e-01$, $x_2 = 9.205009839791863e-01$ 第1882次迭代 $f(x_{1882}) = 1.638874887365874e-03$, $x_1 = 9.595245604708941e-01$, $x_2 = 9.206090442702277e-01$ 第1883次迭代 $f(x_{1883}) = 1.635898753296694e-03$, $x_1 = 9.596330872527538e-01$, $x_2 = 9.206424604805707e-01$ 第1884次迭代 $f(x_{1884}) = 1.632927715811433e-03$, $x_1 = 9.595983843859819e-01$, $x_2 = 9.207492362876447e-01$ 第1885次迭代 $f(x_{1885}) = 1.629962976825999e-03$, $x_1 = 9.597053754887033e-01$, $x_2 = 9.207832860120765e-01$ 第1886次迭代 $f(x_{1886}) = 1.627004114051536e-03$, $x_1 = 9.596716514577067e-01$, $x_2 = 9.208904057976315e-01$ 第1887次迭代 $f(x_{1887}) = 1.624050870537613e-03$, $x_1 =$

9.597787755136337e-01, x2 = 9.209242208196693e-01 第1888次迭代 f(x_1888)
=1.621103485810517e-03, x1 = 9.597447591965900e-01, x2 = 9.210313215705825e-01 第1889次
迭代 f(x_1889) =1.618161700080384e-03, x1 = 9.598520508336632e-01, x2 =
9.210648842455363e-01 第1890次迭代 f(x_1890) =1.615225756591983e-03, x1 =
9.598177077792848e-01, x2 = 9.211719842018747e-01 第1891次迭代 f(x_1891)
=1.612295392241572e-03, x1 = 9.599252018992526e-01, x2 = 9.212052767459267e-01 第1892次
迭代 f(x_1892) =1.609370159650678e-03, x1 = 9.598908929653063e-01, x2 =
9.213111732295443e-01 第1893次迭代 f(x_1893) =1.606450962852398e-03, x1 =
9.599970011829205e-01, x2 = 9.213450225279106e-01 第1894次迭代 f(x_1894)
=1.603537558363114e-03, x1 = 9.599635284250234e-01, x2 = 9.214513309960736e-01 第1895次
迭代 f(x_1895) =1.600629696474723e-03, x1 = 9.600699019326819e-01, x2 =
9.214848781762218e-01 第1896次迭代 f(x_1896) =1.597727612722890e-03, x1 =
9.600360055084338e-01, x2 = 9.215912372642423e-01 第1897次迭代 f(x_1897)
=1.594831052910273e-03, x1 = 9.601426795153687e-01, x2 = 9.216244643917691e-01 第1898次
迭代 f(x_1898) =1.591940258005130e-03, x1 = 9.601083242920274e-01, x2 =
9.217308926747936e-01 第1899次迭代 f(x_1899) =1.589054149325102e-03, x1 =
9.602141146304025e-01, x2 = 9.217634066635841e-01 第1900次迭代 f(x_1900)
=1.586174329499088e-03, x1 = 9.601808823716633e-01, x2 = 9.218690836103496e-01 第1901次
迭代 f(x_1901) =1.583299998941038e-03, x1 = 9.602866431539910e-01, x2 =
9.219024594612462e-01 第1902次迭代 f(x_1902) =1.580431389587425e-03, x1 =
9.602528909682118e-01, x2 = 9.220082380528847e-01 第1903次迭代 f(x_1903)
=1.577568252097903e-03, x1 = 9.603590498004276e-01, x2 = 9.220412441989932e-01 第1904次
迭代 f(x_1904) =1.574710124765878e-03, x1 = 9.603251328424458e-01, x2 =
9.221459362321200e-01 第1905次迭代 f(x_1905) =1.571857843800565e-03, x1 =
9.604301201580382e-01, x2 = 9.221793894086469e-01 第1906次迭代 f(x_1906)
=1.569011243453438e-03, x1 = 9.603968327809352e-01, x2 = 9.222845915995758e-01 第1907次
迭代 f(x_1907) =1.566170082268434e-03, x1 = 9.605022794065757e-01, x2 =
9.223176439239892e-01 第1908次迭代 f(x_1908) =1.563334592486890e-03, x1 =
9.604683752547284e-01, x2 = 9.224229990483890e-01 第1909次迭代 f(x_1909)
=1.560503744147900e-03, x1 = 9.605731105898974e-01, x2 = 9.224552596428308e-01 第1910次
迭代 f(x_1910) =1.557678984837048e-03, x1 = 9.605401544051442e-01, x2 =
9.225599562889221e-01 第1911次迭代 f(x_1911) =1.554859633198509e-03, x1 =
9.606450235300555e-01, x2 = 9.225929860564239e-01 第1912次迭代 f(x_1912)
=1.552045916958733e-03, x1 = 9.606113898190941e-01, x2 = 9.226978678450760e-01 第1913次
迭代 f(x_1913) =1.549236913402592e-03, x1 = 9.607156152468642e-01, x2 =
9.227300751316795e-01 第1914次迭代 f(x_1914) =1.546433835511913e-03, x1 =
9.606828597305946e-01, x2 = 9.228343354450860e-01 第1915次迭代 f(x_1915)
=1.543636135093169e-03, x1 = 9.607872831390345e-01, x2 = 9.228672754629890e-01 第1916次
迭代 f(x_1916) =1.540844037100386e-03, x1 = 9.607537891534070e-01, x2 =
9.229717532099830e-01 第1917次迭代 f(x_1917) =1.538056601619065e-03, x1 =
9.608576352298781e-01, x2 = 9.230038406308013e-01 第1918次迭代 f(x_1918)
=1.535275053691880e-03, x1 = 9.608249522973660e-01, x2 = 9.231077325204051e-01 第1919次
迭代 f(x_1919) =1.532498854418863e-03, x1 = 9.609290595016180e-01, x2 =
9.231405168001134e-01 第1920次迭代 f(x_1920) =1.529728227656141e-03, x1 =
9.608955766182002e-01, x2 = 9.232446586764480e-01 第1921次迭代 f(x_1921)
=1.526962094864297e-03, x1 = 9.609991719970959e-01, x2 = 9.232765606853064e-01 第1922次
迭代 f(x_1922) =1.524201933559430e-03, x1 = 9.609664352653872e-01, x2 =
9.233801511405132e-01 第1923次迭代 f(x_1923) =1.521447093583934e-03, x1 =
9.610703542414603e-01, x2 = 9.234127145146231e-01 第1924次迭代 f(x_1924)
=1.518697147522396e-03, x1 = 9.610371382019682e-01, x2 = 9.235154038620250e-01 第1925次

迭代 $f(x_{1925}) = 1.515952715092594e-03$, $x_1 = 9.611402274178455e-01$, $x_2 = 9.235482396301014e-01$ 第1926次迭代 $f(x_{1926}) = 1.513213805297534e-03$, $x_1 = 9.611073113823884e-01$, $x_2 = 9.236515951489603e-01$ 第1927次迭代 $f(x_{1927}) = 1.510480191129338e-03$, $x_1 = 9.612111693939860e-01$, $x_2 = 9.236838728428025e-01$ 第1928次迭代 $f(x_{1928}) = 1.507751100942919e-03$, $x_1 = 9.611777132281897e-01$, $x_2 = 9.237863631624957e-01$ 第1929次迭代 $f(x_{1929}) = 1.505027815563814e-03$, $x_1 = 9.612808035713400e-01$, $x_2 = 9.238188816098756e-01$ 第1930次迭代 $f(x_{1930}) = 1.502310030552243e-03$, $x_1 = 9.612475831161962e-01$, $x_2 = 9.239220684538401e-01$ 第1931次迭代 $f(x_{1931}) = 1.499596550348644e-03$, $x_1 = 9.613503225391490e-01$, $x_2 = 9.239536318797380e-01$ 第1932次迭代 $f(x_{1932}) = 1.496889031867983e-03$, $x_1 = 9.613176859344130e-01$, $x_2 = 9.240563533673273e-01$ 第1933次迭代 $f(x_{1933}) = 1.494186771993635e-03$, $x_1 = 9.614209027381655e-01$, $x_2 = 9.240884907550286e-01$ 第1934次迭代 $f(x_{1934}) = 1.491488996158143e-03$, $x_1 = 9.613876363903476e-01$, $x_2 = 9.241904000283486e-01$ 第1935次迭代 $f(x_{1935}) = 1.488796950379180e-03$, $x_1 = 9.614901833178237e-01$, $x_2 = 9.242227282838776e-01$ 第1936次迭代 $f(x_{1936}) = 1.486110366313061e-03$, $x_1 = 9.614570579039586e-01$, $x_2 = 9.243253787766360e-01$ 第1937次迭代 $f(x_{1937}) = 1.483427922854922e-03$, $x_1 = 9.615593485012841e-01$, $x_2 = 9.243567093483895e-01$ 第1938次迭代 $f(x_{1938}) = 1.480751495058106e-03$, $x_1 = 9.615267120320491e-01$, $x_2 = 9.244589447971363e-01$ 第1939次迭代 $f(x_{1939}) = 1.478079578131072e-03$, $x_1 = 9.616283982028829e-01$, $x_2 = 9.244904346617095e-01$ 第1940次迭代 $f(x_{1940}) = 1.475413269398122e-03$, $x_1 = 9.615962158537926e-01$, $x_2 = 9.245922735015462e-01$ 第1941次迭代 $f(x_{1941}) = 1.472752173472992e-03$, $x_1 = 9.616984982506772e-01$, $x_2 = 9.246242696619714e-01$ 第1942次迭代 $f(x_{1942}) = 1.470095592139133e-03$, $x_1 = 9.616655697906162e-01$, $x_2 = 9.247253652216284e-01$ 第1943次迭代 $f(x_{1943}) = 1.467444566966314e-03$, $x_1 = 9.617673106581807e-01$, $x_2 = 9.247574868162296e-01$ 第1944次迭代 $f(x_{1944}) = 1.464798345479626e-03$, $x_1 = 9.617347747584074e-01$, $x_2 = 9.248582202003052e-01$ 第1945次迭代 $f(x_{1945}) = 1.462157355502783e-03$, $x_1 = 9.618360076707858e-01$, $x_2 = 9.248904500913666e-01$ 第1946次迭代 $f(x_{1946}) = 1.459521762060247e-03$, $x_1 = 9.618034603650499e-01$, $x_2 = 9.249919963041534e-01$ 第1947次迭代 $f(x_{1947}) = 1.456890435516455e-03$, $x_1 = 9.619045891726918e-01$, $x_2 = 9.250231601554946e-01$ 第1948次迭代 $f(x_{1948}) = 1.454264826626930e-03$, $x_1 = 9.618723730599783e-01$, $x_2 = 9.251243749080621e-01$ 第1949次迭代 $f(x_{1949}) = 1.451643708403489e-03$, $x_1 = 9.619730551959238e-01$, $x_2 = 9.251556176523477e-01$ 第1950次迭代 $f(x_{1950}) = 1.449028050604097e-03$, $x_1 = 9.619411382201782e-01$, $x_2 = 9.252565179217171e-01$ 第1951次迭代 $f(x_{1951}) = 1.446417555297119e-03$, $x_1 = 9.620425618959316e-01$, $x_2 = 9.252881841919159e-01$ 第1952次迭代 $f(x_{1952}) = 1.443811348648029e-03$, $x_1 = 9.620097561486477e-01$, $x_2 = 9.253884257328130e-01$ 第1953次迭代 $f(x_{1953}) = 1.441210761407806e-03$, $x_1 = 9.621107927342231e-01$, $x_2 = 9.254201388030783e-01$ 第1954次迭代 $f(x_{1954}) = 1.438614614893413e-03$, $x_1 = 9.620782276366873e-01$, $x_2 = 9.255200986403957e-01$ 第1955次迭代 $f(x_{1955}) = 1.436023903937136e-03$, $x_1 = 9.621789084946022e-01$, $x_2 = 9.255518425341697e-01$ 第1956次迭代 $f(x_{1956}) = 1.433437757300464e-03$, $x_1 = 9.621465531942591e-01$, $x_2 = 9.256515370046131e-01$ 第1957次迭代 $f(x_{1957}) = 1.430856891557672e-03$, $x_1 = 9.622469092309190e-01$, $x_2 = 9.256832959846437e-01$ 第1958次迭代 $f(x_{1958}) = 1.428280685991209e-03$, $x_1 = 9.622147333086740e-01$, $x_2 = 9.257827411959968e-01$ 第1959次迭代 $f(x_{1959}) = 1.425709635105794e-03$, $x_1 = 9.623147950182860e-01$, $x_2 = 9.258144997414879e-01$ 第1960次迭代 $f(x_{1960}) = 1.423143313171914e-03$, $x_1 = 9.622827684451394e-01$, $x_2 = 9.259137115951726e-01$ 第1961次迭代 $f(x_{1961}) = 1.420582047506847e-03$, $x_1 = 9.623825659525489e-01$, $x_2 = 9.259454543794997e-01$ 第1962次迭代 $f(x_{1962}) = 1.418026097819723e-03$, $x_1 =$

9.623502911357336e-01, x2 = 9.260455900731359e-01 第1963次迭代 f(x_1963)
=1.415474042569422e-03, x1 = 9.624502220898248e-01, x2 = 9.260761604665422e-01 第1964次
迭代 f(x_1964) =1.412927839159873e-03, x1 = 9.624180387062865e-01, x2 =
9.261760916922592e-01 第1965次迭代 f(x_1965) =1.410385538359465e-03, x1 =
9.625177636264656e-01, x2 = 9.262066185487079e-01 第1966次迭代 f(x_1966)
=1.407849053808159e-03, x1 = 9.624856422306906e-01, x2 = 9.263063608971539e-01 第1967次
迭代 f(x_1967) =1.405316453699764e-03, x1 = 9.625851907177250e-01, x2 =
9.263368291656460e-01 第1968次迭代 f(x_1968) =1.402789661354922e-03, x1 =
9.625531020929110e-01, x2 = 9.264363981049593e-01 第1969次迭代 f(x_1969)
=1.400266709286104e-03, x1 = 9.626525035379782e-01, x2 = 9.264667928456594e-01 第1970次
迭代 f(x_1970) =1.397748987223730e-03, x1 = 9.626207844027359e-01, x2 =
9.265650705237487e-01 第1971次迭代 f(x_1971) =1.395236228774487e-03, x1 =
9.627197023396838e-01, x2 = 9.265965101009060e-01 第1972次迭代 f(x_1972)
=1.392728070734507e-03, x1 = 9.626879582593600e-01, x2 = 9.266946466983109e-01 第1973次
迭代 f(x_1973) =1.390224935390270e-03, x1 = 9.627867872753910e-01, x2 =
9.267259814423300e-01 第1974次迭代 f(x_1974) =1.387726291752126e-03, x1 =
9.627549898112054e-01, x2 = 9.268239920086934e-01 第1975次迭代 f(x_1975)
=1.385232755271017e-03, x1 = 9.628537585754248e-01, x2 = 9.268552073649747e-01 第1976次
迭代 f(x_1976) =1.382743577332318e-03, x1 = 9.628218793604821e-01, x2 =
9.269531069088921e-01 第1977次迭代 f(x_1977) =1.380259616327913e-03, x1 =
9.629206164883493e-01, x2 = 9.269841883530029e-01 第1978次迭代 f(x_1978)
=1.377779856266460e-03, x1 = 9.628886271900746e-01, x2 = 9.270819918615085e-01 第1979次
迭代 f(x_1979) =1.375305448237632e-03, x1 = 9.629873612808553e-01, x2 =
9.271129248797569e-01 第1980次迭代 f(x_1980) =1.372835059076733e-03, x1 =
9.629552335636332e-01, x2 = 9.272106473376973e-01 第1981次迭代 f(x_1981)
=1.370369516674660e-03, x1 = 9.630528674428586e-01, x2 = 9.272410666493928e-01 第1982次
迭代 f(x_1982) =1.367909107492298e-03, x1 = 9.630216989673219e-01, x2 =
9.273390737702494e-01 第1983次迭代 f(x_1983) =1.365452861324741e-03, x1 =
9.631193860727146e-01, x2 = 9.273693178230804e-01 第1984次迭代 f(x_1984)
=1.363001945971154e-03, x1 = 9.630880233855933e-01, x2 = 9.274672716938789e-01 第1985次
迭代 f(x_1985) =1.360554951098829e-03, x1 = 9.631857921615715e-01, x2 =
9.274973260578013e-01 第1986次迭代 f(x_1986) =1.358112925695643e-03, x1 =
9.631545670745068e-01, x2 = 9.275941254328337e-01 第1987次迭代 f(x_1987)
=1.355675723529462e-03, x1 = 9.632520861039541e-01, x2 = 9.276250917799712e-01 第1988次
迭代 f(x_1988) =1.353242880008463e-03, x1 = 9.632206129447425e-01, x2 =
9.277218681467129e-01 第1989次迭代 f(x_1989) =1.350815115782461e-03, x1 =
9.633182681980428e-01, x2 = 9.277526154147887e-01 第1990次迭代 f(x_1990)
=1.348391411355119e-03, x1 = 9.632865187160303e-01, x2 = 9.278493836956523e-01 第1991次
迭代 f(x_1991) =1.345972406281308e-03, x1 = 9.633832237323513e-01, x2 =
9.278795495364538e-01 第1992次迭代 f(x_1992) =1.343558450158961e-03, x1 =
9.633522847762538e-01, x2 = 9.279766725548934e-01 第1993次迭代 f(x_1993)
=1.341148515944960e-03, x1 = 9.634491808857096e-01, x2 = 9.280065932111878e-01 第1994次
迭代 f(x_1994) =1.338743948994111e-03, x1 = 9.634179110217204e-01, x2 =
9.281037352995110e-01 第1995次迭代 f(x_1995) =1.336342734109059e-03, x1 =
9.635119450793465e-01, x2 = 9.281324548860252e-01 第1996次迭代 f(x_1996)
=1.333941020040331e-03, x1 = 9.634827124026752e-01, x2 = 9.282334598833437e-01 第1997次
迭代 f(x_1997) =1.331534559511045e-03, x1 = 9.635751326690379e-01, x2 =
9.282587795815825e-01 第1998次迭代 f(x_1998) =1.329119100090797e-03, x1 =
9.635480734368558e-01, x2 = 9.283635587611155e-01 第1999次迭代 f(x_1999)
=1.326698050340448e-03, x1 = 9.636400291154448e-01, x2 = 9.283864539662366e-01 第2000次

迭代 $f(x_{2000}) = 1.324272189160270e-03$, $x_1 = 9.636141954596176e-01$, $x_2 = 9.284935454946830e-01$ 第2001次迭代 $f(x_{2001}) = 1.321842386314395e-03$, $x_1 = 9.637077422354116e-01$, $x_2 = 9.285154854617417e-01$ 第2002次迭代 $f(x_{2002}) = 1.319442981642706e-03$, $x_1 = 9.636810639340241e-01$, $x_2 = 9.286197222864433e-01$ 第2003次迭代 $f(x_{2003}) = 1.317043174214004e-03$, $x_1 = 9.637724165953011e-01$, $x_2 = 9.286426696183390e-01$ 第2004次迭代 $f(x_{2004}) = 1.314633436346471e-03$, $x_1 = 9.637469025838215e-01$, $x_2 = 9.287492395356780e-01$ 第2005次迭代 $f(x_{2005}) = 1.312224515744085e-03$, $x_1 = 9.638398902050911e-01$, $x_2 = 9.287712095566538e-01$ 第2006次迭代 $f(x_{2006}) = 1.309842061131476e-03$, $x_1 = 9.638134777704589e-01$, $x_2 = 9.288749650654258e-01$ 第2007次迭代 $f(x_{2007}) = 1.307462180247031e-03$, $x_1 = 9.639043414395054e-01$, $x_2 = 9.288979064871503e-01$ 第2008次迭代 $f(x_{2008}) = 1.305069706656960e-03$, $x_1 = 9.638790329841767e-01$, $x_2 = 9.290040153595391e-01$ 第2009次迭代 $f(x_{2009}) = 1.302680308484026e-03$, $x_1 = 9.639715775649363e-01$, $x_2 = 9.290259563234606e-01$ 第2010次迭代 $f(x_{2010}) = 1.300315662589312e-03$, $x_1 = 9.639453185814526e-01$, $x_2 = 9.291292901531384e-01$ 第2011次迭代 $f(x_{2011}) = 1.297954444799531e-03$, $x_1 = 9.640358048002190e-01$, $x_2 = 9.291521689325314e-01$ 第2012次迭代 $f(x_{2012}) = 1.295580335758645e-03$, $x_1 = 9.640105901557482e-01$, $x_2 = 9.292578760823508e-01$ 第2013次迭代 $f(x_{2013}) = 1.293209148808918e-03$, $x_1 = 9.641028055654097e-01$, $x_2 = 9.292797300598540e-01$ 第2014次迭代 $f(x_{2014}) = 1.290863144771517e-03$, $x_1 = 9.640765896461463e-01$, $x_2 = 9.293827007668772e-01$ 第2015次迭代 $f(x_{2015}) = 1.288519366148453e-03$, $x_1 = 9.641668080798997e-01$, $x_2 = 9.294054611618214e-01$ 第2016次迭代 $f(x_{2016}) = 1.286164694933160e-03$, $x_1 = 9.641415772336133e-01$, $x_2 = 9.295108249843390e-01$ 第2017次迭代 $f(x_{2017}) = 1.283810443452962e-03$, $x_1 = 9.642335757104665e-01$, $x_2 = 9.295325349093718e-01$ 第2018次迭代 $f(x_{2018}) = 1.281483899475252e-03$, $x_1 = 9.642072938996801e-01$, $x_2 = 9.296352002797132e-01$ 第2019次迭代 $f(x_{2019}) = 1.279156363578454e-03$, $x_1 = 9.642973529226936e-01$, $x_2 = 9.296577872343568e-01$ 第2020次迭代 $f(x_{2020}) = 1.276822189574490e-03$, $x_1 = 9.642719970037967e-01$, $x_2 = 9.297628655040578e-01$ 第2021次迭代 $f(x_{2021}) = 1.274483620807077e-03$, $x_1 = 9.643638897498790e-01$, $x_2 = 9.297843748654370e-01$ 第2022次迭代 $f(x_{2022}) = 1.272177350379090e-03$, $x_1 = 9.643374339422922e-01$, $x_2 = 9.298867922156390e-01$ 第2023次迭代 $f(x_{2023}) = 1.269864876770957e-03$, $x_1 = 9.644274412081283e-01$, $x_2 = 9.299091510647989e-01$ 第2024次迭代 $f(x_{2024}) = 1.267552258220375e-03$, $x_1 = 9.644018519111411e-01$, $x_2 = 9.300140012341744e-01$ 第2025次迭代 $f(x_{2025}) = 1.265228130422734e-03$, $x_1 = 9.644937496738770e-01$, $x_2 = 9.300352537742003e-01$ 第2026次迭代 $f(x_{2026}) = 1.262942952370476e-03$, $x_1 = 9.644670120455122e-01$, $x_2 = 9.301374802462294e-01$ 第2027次迭代 $f(x_{2027}) = 1.260644365474293e-03$, $x_1 = 9.645570750470064e-01$, $x_2 = 9.301595564253274e-01$ 第2028次迭代 $f(x_{2028}) = 1.258353562600779e-03$, $x_1 = 9.645320067854697e-01$, $x_2 = 9.302607532423869e-01$ 第2029次迭代 $f(x_{2029}) = 1.256078778060027e-03$, $x_1 = 9.646234779805394e-01$, $x_2 = 9.302844339949746e-01$ 第2030次迭代 $f(x_{2030}) = 1.253821863032934e-03$, $x_1 = 9.645966721321039e-01$, $x_2 = 9.303814529132745e-01$ 第2031次迭代 $f(x_{2031}) = 1.251575719428598e-03$, $x_1 = 9.646898026073915e-01$, $x_2 = 9.304081108909290e-01$ 第2032次迭代 $f(x_{2032}) = 1.249340153105324e-03$, $x_1 = 9.646607577787283e-01$, $x_2 = 9.305012319308598e-01$ 第2033次迭代 $f(x_{2033}) = 1.247108957725556e-03$, $x_1 = 9.647535273780187e-01$, $x_2 = 9.305303908398371e-01$ 第2034次迭代 $f(x_{2034}) = 1.244882444398880e-03$, $x_1 = 9.647236446170503e-01$, $x_2 = 9.306237991222469e-01$ 第2035次迭代 $f(x_{2035}) = 1.242659008790954e-03$, $x_1 = 9.648141822936510e-01$, $x_2 = 9.306515286891532e-01$ 第2036次迭代 $f(x_{2036}) = 1.240436022114616e-03$, $x_1 = 9.647867621223095e-01$, $x_2 = 9.307453861408005e-01$ 第2037次迭代 $f(x_{2037}) = 1.238221553936865e-03$, $x_1 =$

9.648798355550415e-01, x2 = 9.307741084012929e-01 第2038次迭代 f(x_2038)
=1.236011384610285e-03, x1 = 9.648497285862222e-01, x2 = 9.308664564923632e-01 第2039次
迭代 f(x_2039) =1.233805332918881e-03, x1 = 9.649421812982300e-01, x2 =
9.308953609431018e-01 第2040次迭代 f(x_2040) =1.231603554629309e-03, x1 =
9.649125619405159e-01, x2 = 9.309873141712610e-01 第2041次迭代 f(x_2041)
=1.229406258412862e-03, x1 = 9.650054832178857e-01, x2 = 9.310167207298016e-01 第2042次
迭代 f(x_2042) =1.227211939572382e-03, x1 = 9.649758960566437e-01, x2 =
9.311060864252128e-01 第2043次迭代 f(x_2043) =1.225018335865722e-03, x1 =
9.650678522808627e-01, x2 = 9.311377075508146e-01 第2044次迭代 f(x_2044)
=1.222832688678134e-03, x1 = 9.650384800208989e-01, x2 = 9.312268241891546e-01 第2045次
迭代 f(x_2045) =1.220646997432776e-03, x1 = 9.651301166138044e-01, x2 =
9.312584672360831e-01 第2046次迭代 f(x_2046) =1.218469922051836e-03, x1 =
9.651009339437950e-01, x2 = 9.313473481936342e-01 第2047次迭代 f(x_2047)
=1.216292168801437e-03, x1 = 9.651922762744177e-01, x2 = 9.313790003143894e-01 第2048次
迭代 f(x_2048) =1.214123368618077e-03, x1 = 9.651623071762666e-01, x2 =
9.314705645471508e-01 第2049次迭代 f(x_2049) =1.211958589841784e-03, x1 =
9.652540973630381e-01, x2 = 9.314991199909490e-01 第2050次迭代 f(x_2050)
=1.209797986411701e-03, x1 = 9.652244891080523e-01, x2 = 9.315903564004371e-01 第2051次
迭代 f(x_2051) =1.207641386172831e-03, x1 = 9.653158154343645e-01, x2 =
9.316190144557841e-01 第2052次迭代 f(x_2052) =1.205488939429100e-03, x1 =
9.652865409024826e-01, x2 = 9.317099373659553e-01 第2053次迭代 f(x_2053)
=1.203340916815146e-03, x1 = 9.653784784823883e-01, x2 = 9.317390157517694e-01 第2054次
迭代 f(x_2054) =1.201195439912139e-03, x1 = 9.653490919787504e-01, x2 =
9.318274541746806e-01 第2055次迭代 f(x_2055) =1.199051352459173e-03, x1 =
9.654402195497203e-01, x2 = 9.318586479683622e-01 第2056次迭代 f(x_2056)
=1.196913992286019e-03, x1 = 9.654109022707302e-01, x2 = 9.319469143214067e-01 第2057次
迭代 f(x_2057) =1.194777960191668e-03, x1 = 9.655018566222719e-01, x2 =
9.319780560020859e-01 第2058次迭代 f(x_2058) =1.192648626887111e-03, x1 =
9.654725846168259e-01, x2 = 9.320661629401095e-01 第2059次迭代 f(x_2059)
=1.190520674368807e-03, x1 = 9.655633898496693e-01, x2 = 9.320972403266902e-01 第2060次
迭代 f(x_2060) =1.188399279426263e-03, x1 = 9.655341393372925e-01, x2 =
9.321852004133755e-01 第2061次迭代 f(x_2061) =1.186279430716266e-03, x1 =
9.656248193962148e-01, x2 = 9.322162014070954e-01 第2062次迭代 f(x_2062)
=1.184165886830537e-03, x1 = 9.655955667376379e-01, x2 = 9.323040271301979e-01 第2063次
迭代 f(x_2063) =1.182054166305823e-03, x1 = 9.656861454406829e-01, x2 =
9.323349396995025e-01 第2064次迭代 f(x_2064) =1.179948387224785e-03, x1 =
9.656568671087996e-01, x2 = 9.324226434858826e-01 第2065次迭代 f(x_2065)
=1.177844819536618e-03, x1 = 9.657473681761446e-01, x2 = 9.324534556514841e-01 第2066次
迭代 f(x_2066) =1.175746719917108e-03, x1 = 9.657180407272938e-01, x2 =
9.325410498819677e-01 第2067次迭代 f(x_2067) =1.173651330120766e-03, x1 =
9.658084878098255e-01, x2 = 9.325717497020612e-01 第2068次迭代 f(x_2068)
=1.171560825388236e-03, x1 = 9.657790878553341e-01, x2 = 9.326592467261605e-01 第2069次
迭代 f(x_2069) =1.169473639073459e-03, x1 = 9.658695045629925e-01, x2 =
9.326898222817637e-01 第2070次迭代 f(x_2070) =1.167390645284613e-03, x1 =
9.658400087409242e-01, x2 = 9.327772344322866e-01 第2071次迭代 f(x_2071)
=1.165311688707249e-03, x1 = 9.659304186708692e-01, x2 = 9.328076738126757e-01 第2072次
迭代 f(x_2072) =1.163236122415253e-03, x1 = 9.659008036179230e-01, x2 =
9.328950134202540e-01 第2073次迭代 f(x_2073) =1.161165422630641e-03, x1 =
9.659912303825826e-01, x2 = 9.329253047084661e-01 第2074次迭代 f(x_2074)
=1.159097200752306e-03, x1 = 9.659614727060805e-01, x2 = 9.330125841160324e-01 第2075次

迭代 $f(x_{2075}) = 1.157034785750887e-03$, $x_1 = 9.660519399611374e-01$, $x_2 = 9.330427153744032e-01$ 第2076次迭代 $f(x_{2076}) = 1.154973825435260e-03$, $x_1 = 9.660220162110496e-01$, $x_2 = 9.331299469516440e-01$ 第2077次迭代 $f(x_{2077}) = 1.152919575357726e-03$, $x_1 = 9.661104274554150e-01$, $x_2 = 9.331592045679007e-01$ 第2078次迭代 $f(x_{2078}) = 1.150870349607044e-03$, $x_1 = 9.660817762699988e-01$, $x_2 = 9.332488487204573e-01$ 第2079次迭代 $f(x_{2079}) = 1.148823439502980e-03$, $x_1 = 9.661688718740430e-01$, $x_2 = 9.332754506543477e-01$ 第2080次迭代 $f(x_{2080}) = 1.146778254415437e-03$, $x_1 = 9.661420656801627e-01$, $x_2 = 9.333657965631298e-01$ 第2081次迭代 $f(x_{2081}) = 1.144738410765311e-03$, $x_1 = 9.662292710566954e-01$, $x_2 = 9.333922126269237e-01$ 第2082次迭代 $f(x_{2082}) = 1.142701582987381e-03$, $x_1 = 9.662022295511110e-01$, $x_2 = 9.334825381355601e-01$ 第2083次迭代 $f(x_{2083}) = 1.140668725368039e-03$, $x_1 = 9.662895681878585e-01$, $x_2 = 9.335087564664644e-01$ 第2084次迭代 $f(x_{2084}) = 1.138640285758875e-03$, $x_1 = 9.662622680293772e-01$, $x_2 = 9.335990738954379e-01$ 第2085次迭代 $f(x_{2085}) = 1.136614333420357e-03$, $x_1 = 9.663497635910567e-01$, $x_2 = 9.336250825408988e-01$ 第2086次迭代 $f(x_{2086}) = 1.134594314497534e-03$, $x_1 = 9.663221812464701e-01$, $x_2 = 9.337154043069736e-01$ 第2087次迭代 $f(x_{2087}) = 1.132575186236546e-03$, $x_1 = 9.664098576028076e-01$, $x_2 = 9.337411912102260e-01$ 第2088次迭代 $f(x_{2088}) = 1.130563129980732e-03$, $x_1 = 9.663826224564559e-01$, $x_2 = 9.338294141292813e-01$ 第2089次迭代 $f(x_{2089}) = 1.128555409937359e-03$, $x_1 = 9.664706279089939e-01$, $x_2 = 9.338572291517855e-01$ 第2090次迭代 $f(x_{2090}) = 1.126551526862440e-03$, $x_1 = 9.664422757800456e-01$, $x_2 = 9.339450468071127e-01$ 第2091次迭代 $f(x_{2091}) = 1.124551331914132e-03$, $x_1 = 9.665302979863077e-01$, $x_2 = 9.339727212977530e-01$ 第2092次迭代 $f(x_{2092}) = 1.122554961084467e-03$, $x_1 = 9.665018058858721e-01$, $x_2 = 9.340604757688407e-01$ 第2093次迭代 $f(x_{2093}) = 1.120562264778839e-03$, $x_1 = 9.665898676979775e-01$, $x_2 = 9.340879981952079e-01$ 第2094次迭代 $f(x_{2094}) = 1.118573380136559e-03$, $x_1 = 9.665612129746112e-01$, $x_2 = 9.341757014350942e-01$ 第2095次迭代 $f(x_{2095}) = 1.116588070255511e-03$, $x_1 = 9.666465407084412e-01$, $x_2 = 9.342021920084094e-01$ 第2096次迭代 $f(x_{2096}) = 1.114602352968744e-03$, $x_1 = 9.666205136969307e-01$, $x_2 = 9.342910110271510e-01$ 第2097次迭代 $f(x_{2097}) = 1.112623517881203e-03$, $x_1 = 9.667061254474031e-01$, $x_2 = 9.343172278140296e-01$ 第2098次迭代 $f(x_{2098}) = 1.110646335382777e-03$, $x_1 = 9.666796903493268e-01$, $x_2 = 9.344061178155612e-01$ 第2099次迭代 $f(x_{2099}) = 1.108673894850277e-03$, $x_1 = 9.667656104049080e-01$, $x_2 = 9.344320485521251e-01$ 第2100次迭代 $f(x_{2100}) = 1.106705287667980e-03$, $x_1 = 9.667387429641091e-01$, $x_2 = 9.345210223072941e-01$ 第2101次迭代 $f(x_{2101}) = 1.104739160200709e-03$, $x_1 = 9.668249960029739e-01$, $x_2 = 9.345466545301799e-01$ 第2102次迭代 $f(x_{2102}) = 1.102779000445516e-03$, $x_1 = 9.667983114901786e-01$, $x_2 = 9.346336390043938e-01$ 第2103次迭代 $f(x_{2103}) = 1.100823270196698e-03$, $x_1 = 9.668850486471449e-01$, $x_2 = 9.346611914070933e-01$ 第2104次迭代 $f(x_{2104}) = 1.098871280192035e-03$, $x_1 = 9.668571101604825e-01$, $x_2 = 9.347478537791176e-01$ 第2105次迭代 $f(x_{2105}) = 1.096922888816457e-03$, $x_1 = 9.669440188581191e-01$, $x_2 = 9.347751875681837e-01$ 第2106次迭代 $f(x_{2106}) = 1.094978227466159e-03$, $x_1 = 9.669157870995699e-01$, $x_2 = 9.348618677137119e-01$ 第2107次迭代 $f(x_{2107}) = 1.093037118497610e-03$, $x_1 = 9.670001262587467e-01$, $x_2 = 9.348881111051300e-01$ 第2108次迭代 $f(x_{2108}) = 1.091095520939167e-03$, $x_1 = 9.669743585578053e-01$, $x_2 = 9.349759649925679e-01$ 第2109次迭代 $f(x_{2109}) = 1.089160475693638e-03$, $x_1 = 9.670591081562143e-01$, $x_2 = 9.350018709022150e-01$ 第2110次迭代 $f(x_{2110}) = 1.087227550948904e-03$, $x_1 = 9.670328066107369e-01$, $x_2 = 9.350898622430319e-01$ 第2111次迭代 $f(x_{2111}) = 1.085298485966327e-03$, $x_1 = 9.671179923383044e-01$, $x_2 = 9.351154176927239e-01$ 第2112次迭代 $f(x_{2112}) = 1.083374285645650e-03$, $x_1 =$

9.670911312031603e-01, x2 = 9.352035600099547e-01 第2113次迭代 f(x_2113)
=1.081451115519558e-03, x1 = 9.671767793031429e-01, x2 = 9.352287517377643e-01 第2114次
迭代 f(x_2114)=1.079534808409869e-03, x1 = 9.671499750658330e-01, x2 =
9.353149907123187e-01 第2115次迭代 f(x_2115)=1.077622562437560e-03, x1 =
9.672362315646578e-01, x2 = 9.353420149163190e-01 第2116次迭代 f(x_2116)
=1.075713868632582e-03, x1 = 9.672089452186646e-01, x2 = 9.354252765643073e-01 第2117次
迭代 f(x_2117)=1.073804767465468e-03, x1 = 9.672948309286308e-01, x2 =
9.354549205825220e-01 第2118次迭代 f(x_2118)=1.071901845622595e-03, x1 =
9.672669348500856e-01, x2 = 9.355383686790771e-01 第2119次迭代 f(x_2119)
=1.070001523220127e-03, x1 = 9.673533349440316e-01, x2 = 9.355676140907901e-01 第2120次
迭代 f(x_2120)=1.068104286104108e-03, x1 = 9.673248021974179e-01, x2 =
9.356512627450740e-01 第2121次迭代 f(x_2121)=1.066212492885269e-03, x1 =
9.674097080205475e-01, x2 = 9.356794203983426e-01 第2122次迭代 f(x_2122)
=1.064325123913598e-03, x1 = 9.673822264419548e-01, x2 = 9.357646561013904e-01 第2123次
迭代 f(x_2123)=1.062441251787845e-03, x1 = 9.674677909197799e-01, x2 =
9.357915252777586e-01 第2124次迭代 f(x_2124)=1.060560885214483e-03, x1 =
9.674407147418440e-01, x2 = 9.358741697314308e-01 第2125次迭代 f(x_2125)
=1.058680136338659e-03, x1 = 9.675259972120576e-01, x2 = 9.359035952046353e-01 第2126次
迭代 f(x_2126)=1.056805295972909e-03, x1 = 9.674982321572102e-01, x2 =
9.359864678630927e-01 第2127次迭代 f(x_2127)=1.054933416597189e-03, x1 =
9.675841098075224e-01, x2 = 9.360154541633268e-01 第2128次迭代 f(x_2128)
=1.053064011028074e-03, x1 = 9.675556274389006e-01, x2 = 9.360985698996362e-01 第2129次
迭代 f(x_2129)=1.051200420327686e-03, x1 = 9.676401034807594e-01, x2 =
9.361264341135351e-01 第2130次迭代 f(x_2130)=1.049341073437331e-03, x1 =
9.676125797874985e-01, x2 = 9.362111692457329e-01 第2131次迭代 f(x_2131)
=1.047485004079891e-03, x1 = 9.676950931717773e-01, x2 = 9.362368669944867e-01 第2132次
迭代 f(x_2132)=1.045628809893123e-03, x1 = 9.676697240127330e-01, x2 =
9.363228834062062e-01 第2133次迭代 f(x_2133)=1.043778058598307e-03, x1 =
9.677528893185989e-01, x2 = 9.363481222226293e-01 第2134次迭代 f(x_2134)
=1.041930814319829e-03, x1 = 9.677267452667651e-01, x2 = 9.364344034226973e-01 第2135次
迭代 f(x_2135)=1.040085285287777e-03, x1 = 9.678105926087651e-01, x2 =
9.364591680641424e-01 第2136次迭代 f(x_2136)=1.038246091662274e-03, x1 =
9.677842744538866e-01, x2 = 9.365437026617581e-01 第2137次迭代 f(x_2137)
=1.036410798103366e-03, x1 = 9.678662645464601e-01, x2 = 9.365693040066468e-01 第2138次
迭代 f(x_2138)=1.034575139998018e-03, x1 = 9.678410689000937e-01, x2 =
9.366548293239311e-01 第2139次迭代 f(x_2139)=1.032744997072400e-03, x1 =
9.679237678077846e-01, x2 = 9.366799431785392e-01 第2140次迭代 f(x_2140)
=1.030918351498031e-03, x1 = 9.678977403379869e-01, x2 = 9.367657633621205e-01 第2141次
迭代 f(x_2141)=1.029093259564056e-03, x1 = 9.679811795409868e-01, x2 =
9.367903737841033e-01 第2142次迭代 f(x_2142)=1.027274590081125e-03, x1 =
9.679549182581367e-01, x2 = 9.368744882405566e-01 第2143次迭代 f(x_2143)
=1.025459474475966e-03, x1 = 9.680365693651078e-01, x2 = 9.368999002560696e-01 第2144次
迭代 f(x_2144)=1.023644559127614e-03, x1 = 9.680113640619695e-01, x2 =
9.369850312924828e-01 第2145次迭代 f(x_2145)=1.021834423369598e-03, x1 =
9.680937825191905e-01, x2 = 9.370099264243121e-01 第2146次迭代 f(x_2146)
=1.020028581215295e-03, x1 = 9.680682978618683e-01, x2 = 9.370933819086066e-01 第2147次
迭代 f(x_2147)=1.018227104047797e-03, x1 = 9.681516414123232e-01, x2 =
9.371198848287298e-01 第2148次迭代 f(x_2148)=1.016429124545041e-03, x1 =
9.681245029768684e-01, x2 = 9.372032621585890e-01 第2149次迭代 f(x_2149)
=1.014633968229157e-03, x1 = 9.682058043900963e-01, x2 = 9.372284927028355e-01 第2150次

迭代 $f(x_{2150}) = 1.012839512048242e-03$, $x_1 = 9.681806028011695e-01$, $x_2 = 9.373132251988043e-01$ 第2151次迭代 $f(x_{2151}) = 1.011049170459573e-03$, $x_1 = 9.682627291568118e-01$, $x_2 = 9.373379099564113e-01$ 第2152次迭代 $f(x_{2152}) = 1.009263540412901e-03$, $x_1 = 9.682371916747314e-01$, $x_2 = 9.374210060125286e-01$ 第2153次迭代 $f(x_{2153}) = 1.007482114356881e-03$, $x_1 = 9.683202991842752e-01$, $x_2 = 9.374472584046395e-01$ 第2154次迭代 $f(x_{2154}) = 1.005703878646115e-03$, $x_1 = 9.682939169795418e-01$, $x_2 = 9.375276743368653e-01$ 第2155次迭代 $f(x_{2155}) = 1.003925704366590e-03$, $x_1 = 9.683770563225188e-01$, $x_2 = 9.375562561469610e-01$ 第2156次迭代 $f(x_{2156}) = 1.002152164325362e-03$, $x_1 = 9.683497027962913e-01$, $x_2 = 9.376370492269034e-01$ 第2157次迭代 $f(x_{2157}) = 1.000382936689870e-03$, $x_1 = 9.684317590221049e-01$, $x_2 = 9.376643910646968e-01$ 第2158次迭代 $f(x_{2158}) = 9.986180469619163e-04$, $x_1 = 9.684050548608013e-01$, $x_2 = 9.377469101779871e-01$ 第2159次迭代 $f(x_{2159}) = 9.968562045382572e-04$, $x_1 = 9.684854741547584e-01$, $x_2 = 9.377719974004212e-01$ 第2160次迭代 $f(x_{2160}) = 9.950945491961289e-04$, $x_1 = 9.684605863138482e-01$, $x_2 = 9.378559127827925e-01$ 第2161次迭代 $f(x_{2161}) = 9.933372759945189e-04$, $x_1 = 9.685419194096636e-01$, $x_2 = 9.378804097209326e-01$ 第2162次迭代 $f(x_{2162}) = 9.915845097555960e-04$, $x_1 = 9.685166011759833e-01$, $x_2 = 9.379627538343671e-01$ 第2163次迭代 $f(x_{2163}) = 9.898359087826371e-04$, $x_1 = 9.685990061845353e-01$, $x_2 = 9.379887530317852e-01$ 第2164次迭代 $f(x_{2164}) = 9.880902050480331e-04$, $x_1 = 9.685727555042360e-01$, $x_2 = 9.380684904758979e-01$ 第2165次迭代 $f(x_{2165}) = 9.863451186133110e-04$, $x_1 = 9.686552897131114e-01$, $x_2 = 9.380967477065801e-01$ 第2166次迭代 $f(x_{2166}) = 9.846038579986629e-04$, $x_1 = 9.686279768970140e-01$, $x_2 = 9.381769101435121e-01$ 第2167次迭代 $f(x_{2167}) = 9.828674144538448e-04$, $x_1 = 9.687095334572746e-01$, $x_2 = 9.382038893178632e-01$ 第2168次迭代 $f(x_{2168}) = 9.811350476679442e-04$, $x_1 = 9.686836135212671e-01$, $x_2 = 9.382832140089532e-01$ 第2169次迭代 $f(x_{2169}) = 9.794023123579029e-04$, $x_1 = 9.687656260453766e-01$, $x_2 = 9.383114873427298e-01$ 第2170次迭代 $f(x_{2170}) = 9.776743100153422e-04$, $x_1 = 9.687386137724513e-01$, $x_2 = 9.383912530076656e-01$ 第2171次迭代 $f(x_{2171}) = 9.759505181783946e-04$, $x_1 = 9.688196913319506e-01$, $x_2 = 9.384182327459423e-01$ 第2172次迭代 $f(x_{2172}) = 9.742309665668487e-04$, $x_1 = 9.687931823041918e-01$, $x_2 = 9.384997738248624e-01$ 第2173次迭代 $f(x_{2173}) = 9.725139470673443e-04$, $x_1 = 9.688727756984150e-01$, $x_2 = 9.385244593225857e-01$ 第2174次迭代 $f(x_{2174}) = 9.707981230073295e-04$, $x_1 = 9.688479255742956e-01$, $x_2 = 9.386074486643893e-01$ 第2175次迭代 $f(x_{2175}) = 9.690853279936928e-04$, $x_1 = 9.689285602633605e-01$, $x_2 = 9.386314800216338e-01$ 第2176次迭代 $f(x_{2176}) = 9.673778951518176e-04$, $x_1 = 9.689031534421410e-01$, $x_2 = 9.387129859087158e-01$ 第2177次迭代 $f(x_{2177}) = 9.656736800253856e-04$, $x_1 = 9.689823884401177e-01$, $x_2 = 9.387376218311601e-01$ 第2178次迭代 $f(x_{2178}) = 9.639704044320379e-04$, $x_1 = 9.689576752708224e-01$, $x_2 = 9.388202840612485e-01$ 第2179次迭代 $f(x_{2179}) = 9.622703287004311e-04$, $x_1 = 9.690379846017293e-01$, $x_2 = 9.388442493440533e-01$ 第2180次迭代 $f(x_{2180}) = 9.605754933847844e-04$, $x_1 = 9.690126790004772e-01$, $x_2 = 9.389254529604520e-01$ 第2181次迭代 $f(x_{2181}) = 9.588838482869598e-04$, $x_1 = 9.690916321082352e-01$, $x_2 = 9.389500007926829e-01$ 第2182次迭代 $f(x_{2182}) = 9.571932123834144e-04$, $x_1 = 9.690669796168674e-01$, $x_2 = 9.390323762030092e-01$ 第2183次迭代 $f(x_{2183}) = 9.555056184154470e-04$, $x_1 = 9.691470412756256e-01$, $x_2 = 9.390562362926845e-01$ 第2184次迭代 $f(x_{2184}) = 9.538233601870264e-04$, $x_1 = 9.691217611997167e-01$, $x_2 = 9.391371775986649e-01$ 第2185次迭代 $f(x_{2185}) = 9.521440574561682e-04$, $x_1 = 9.692005078371310e-01$, $x_2 = 9.391615993943310e-01$ 第2186次迭代 $f(x_{2186}) = 9.504661515332465e-04$, $x_1 = 9.691758407562313e-01$, $x_2 = 9.392437277394857e-01$ 第2187次迭代 $f(x_{2187}) = 9.487908081037068e-04$, $x_1 =$

9.692557314848809e-01, x2 = 9.392674440128601e-01 第2188次迭代 f(x_2188)
=9.471211084265337e-04, x1 = 9.692304020841881e-01, x2 = 9.393481625165179e-01 第2189次
迭代 f(x_2189) =9.454539258152891e-04, x1 = 9.693090169118918e-01, x2 =
9.393724207292221e-01 第2190次迭代 f(x_2190) =9.437888407945356e-04, x1 =
9.692842606548044e-01, x2 = 9.394543413959349e-01 第2191次迭代 f(x_2191)
=9.421255216851563e-04, x1 = 9.693640565818193e-01, x2 = 9.394778755549692e-01 第2192次
迭代 f(x_2192) =9.404683645209594e-04, x1 = 9.693386035260645e-01, x2 =
9.395584104796310e-01 第2193次迭代 f(x_2193) =9.388130840035012e-04, x1 =
9.694171607648371e-01, x2 = 9.395824677982708e-01 第2194次迭代 f(x_2194)
=9.371608999691073e-04, x1 = 9.693928247172793e-01, x2 = 9.396623053525498e-01 第2195次
迭代 f(x_2195) =9.355129786236521e-04, x1 = 9.694727233890262e-01, x2 =
9.396876679231033e-01 第2196次迭代 f(x_2196) =9.338677082404018e-04, x1 =
9.694471901071287e-01, x2 = 9.397651235616851e-01 第2197次迭代 f(x_2197)
=9.322234525163926e-04, x1 = 9.695275165071485e-01, x2 = 9.397925240698849e-01 第2198次
迭代 f(x_2198) =9.305819266472299e-04, x1 = 9.695006522698365e-01, x2 =
9.398705463432779e-01 第2199次迭代 f(x_2199) =9.289458724302304e-04, x1 =
9.695803242600366e-01, x2 = 9.398965533432833e-01 第2200次迭代 f(x_2200)
=9.273121277974194e-04, x1 = 9.695545262705522e-01, x2 = 9.399739103222321e-01 第2201次
迭代 f(x_2201) =9.256809417260011e-04, x1 = 9.696349384517254e-01, x2 =
9.400010217790830e-01 第2202次迭代 f(x_2202) =9.240508343801816e-04, x1 =
9.696077685698588e-01, x2 = 9.400789668361278e-01 第2203次迭代 f(x_2203)
=9.224272832587461e-04, x1 = 9.696875656899016e-01, x2 = 9.401046708155480e-01 第2204次
迭代 f(x_2204) =9.208048558123935e-04, x1 = 9.696614301113834e-01, x2 =
9.401819675220323e-01 第2205次迭代 f(x_2205) =9.191862380793563e-04, x1 =
9.697401158028451e-01, x2 = 9.402081251487118e-01 第2206次迭代 f(x_2206)
=9.175713533790419e-04, x1 = 9.697149748720489e-01, x2 = 9.402847941899976e-01 第2207次
迭代 f(x_2207) =9.159568763025856e-04, x1 = 9.697944494640146e-01, x2 =
9.403120232370891e-01 第2208次迭代 f(x_2208) =9.143455583561409e-04, x1 =
9.697679031177392e-01, x2 = 9.403892981948426e-01 第2209次迭代 f(x_2209)
=9.127394110020454e-04, x1 = 9.698468188979573e-01, x2 = 9.404151001510126e-01 第2210次
迭代 f(x_2210) =9.111355451345214e-04, x1 = 9.698212378535900e-01, x2 =
9.404917630376384e-01 第2211次迭代 f(x_2211) =9.095343308509406e-04, x1 =
9.698991103604315e-01, x2 = 9.405179841502738e-01 第2212次迭代 f(x_2212)
=9.079374410790623e-04, x1 = 9.698736497444378e-01, x2 = 9.405965474019158e-01 第2213次
迭代 f(x_2213) =9.063427556596604e-04, x1 = 9.699504470020542e-01, x2 =
9.406203724928228e-01 第2214次迭代 f(x_2214) =9.047498554812527e-04, x1 =
9.699262176662091e-01, x2 = 9.407005230962141e-01 第2215次迭代 f(x_2215)
=9.031585806081410e-04, x1 = 9.700043854567875e-01, x2 = 9.407235297314788e-01 第2216次
迭代 f(x_2216) =9.015735202057965e-04, x1 = 9.699792595134912e-01, x2 =
9.408024349366305e-01 第2217次迭代 f(x_2217) =8.999895087045363e-04, x1 =
9.700564285719689e-01, x2 = 9.408258434933762e-01 第2218次迭代 f(x_2218)
=8.984093465030109e-04, x1 = 9.700321871358714e-01, x2 = 9.409041741350701e-01 第2219次
迭代 f(x_2219) =8.968324826362368e-04, x1 = 9.701083921772373e-01, x2 =
9.409279669188214e-01 第2220次迭代 f(x_2220) =8.952567250326478e-04, x1 =
9.700844404390125e-01, x2 = 9.410076058202336e-01 第2221次迭代 f(x_2221)
=8.936831819366693e-04, x1 = 9.701620569769199e-01, x2 = 9.410305598400258e-01 第2222次
迭代 f(x_2222) =8.921154533807886e-04, x1 = 9.701371614991802e-01, x2 =
9.411089868160205e-01 第2223次迭代 f(x_2223) =8.905489838926548e-04, x1 =
9.702138397573212e-01, x2 = 9.411323122208299e-01 第2224次迭代 f(x_2224)
=8.889861434804925e-04, x1 = 9.701897700501901e-01, x2 = 9.412101956154980e-01 第2225次

迭代 $f(x_{2225}) = 8.874266410118572e-04$, $x_1 = 9.702655425466497e-01$, $x_2 = 9.412338758458457e-01$ 第2226次迭代 $f(x_{2226}) = 8.858682249361239e-04$, $x_1 = 9.702417086979679e-01$, $x_2 = 9.413130873669442e-01$ 第2227次迭代 $f(x_{2227}) = 8.843119436910922e-04$, $x_1 = 9.703189371962812e-01$, $x_2 = 9.413359067099668e-01$ 第2228次迭代 $f(x_{2228}) = 8.827615211352755e-04$, $x_1 = 9.702941126327369e-01$, $x_2 = 9.414139396310601e-01$ 第2229次迭代 $f(x_{2229}) = 8.812121391777378e-04$, $x_1 = 9.703704596006426e-01$, $x_2 = 9.414371017376869e-01$ 第2230次迭代 $f(x_{2230}) = 8.796665907807426e-04$, $x_1 = 9.703464056460108e-01$, $x_2 = 9.415146202024578e-01$ 第2231次迭代 $f(x_{2231}) = 8.781240094524531e-04$, $x_1 = 9.704219016448852e-01$, $x_2 = 9.415381095240684e-01$ 第2232次迭代 $f(x_{2232}) = 8.765831288468930e-04$, $x_1 = 9.703980293893921e-01$, $x_2 = 9.416169761784057e-01$ 第2233次迭代 $f(x_{2233}) = 8.750436586864023e-04$, $x_1 = 9.704750298294450e-01$, $x_2 = 9.416395804732495e-01$ 第2234次迭代 $f(x_{2234}) = 8.735100790660444e-04$, $x_1 = 9.704504035277365e-01$, $x_2 = 9.417164159761731e-01$ 第2235次迭代 $f(x_{2235}) = 8.719790979856776e-04$, $x_1 = 9.705254359321462e-01$, $x_2 = 9.417399228487241e-01$ 第2236次迭代 $f(x_{2236}) = 8.704490680419733e-04$, $x_1 = 9.705018231760586e-01$, $x_2 = 9.418184144162325e-01$ 第2237次迭代 $f(x_{2237}) = 8.689211529489024e-04$, $x_1 = 9.705783831395629e-01$, $x_2 = 9.418410248797345e-01$ 第2238次迭代 $f(x_{2238}) = 8.673990961149858e-04$, $x_1 = 9.705537032994289e-01$, $x_2 = 9.419183922594694e-01$ 第2239次迭代 $f(x_{2239}) = 8.658777989897552e-04$, $x_1 = 9.706294749597191e-01$, $x_2 = 9.419412984923994e-01$ 第2240次迭代 $f(x_{2240}) = 8.643605968186990e-04$, $x_1 = 9.706054749958224e-01$, $x_2 = 9.420181993079842e-01$ 第2241次迭代 $f(x_{2241}) = 8.628458309596167e-04$, $x_1 = 9.706804859281205e-01$, $x_2 = 9.420413873042188e-01$ 第2242次迭代 $f(x_{2242}) = 8.613334970994161e-04$, $x_1 = 9.706571389162162e-01$, $x_2 = 9.421178356575344e-01$ 第2243次迭代 $f(x_{2243}) = 8.598251796480681e-04$, $x_1 = 9.707314157984451e-01$, $x_2 = 9.421412918741132e-01$ 第2244次迭代 $f(x_{2244}) = 8.583170198372980e-04$, $x_1 = 9.707081508295898e-01$, $x_2 = 9.422191242314810e-01$ 第2245次迭代 $f(x_{2245}) = 8.568116677015993e-04$, $x_1 = 9.707840052552880e-01$, $x_2 = 9.422416593532872e-01$ 第2246次迭代 $f(x_{2246}) = 8.553117017392995e-04$, $x_1 = 9.707596152566671e-01$, $x_2 = 9.423184093089912e-01$ 第2247次迭代 $f(x_{2247}) = 8.538127440161487e-04$, $x_1 = 9.708347566352682e-01$, $x_2 = 9.423412022639553e-01$ 第2248次迭代 $f(x_{2248}) = 8.523176238935536e-04$, $x_1 = 9.708109731574691e-01$, $x_2 = 9.424175243410410e-01$ 第2249次迭代 $f(x_{2249}) = 8.508249827165979e-04$, $x_1 = 9.708854268420400e-01$, $x_2 = 9.424405622707046e-01$ 第2250次迭代 $f(x_{2250}) = 8.493347190591860e-04$, $x_1 = 9.708622251209867e-01$, $x_2 = 9.425164694519166e-01$ 第2251次迭代 $f(x_{2251}) = 8.478483197954375e-04$, $x_1 = 9.709360156841033e-01$, $x_2 = 9.425397399006478e-01$ 第2252次迭代 $f(x_{2252}) = 8.463623659542529e-04$, $x_1 = 9.709128286828337e-01$, $x_2 = 9.426170554895275e-01$ 第2253次迭代 $f(x_{2253}) = 8.448788121944847e-04$, $x_1 = 9.709882539675948e-01$, $x_2 = 9.426393764702997e-01$ 第2254次迭代 $f(x_{2254}) = 8.434005296848500e-04$, $x_1 = 9.709641608581093e-01$, $x_2 = 9.427147823269276e-01$ 第2255次迭代 $f(x_{2255}) = 8.419247976825859e-04$, $x_1 = 9.710378249235653e-01$, $x_2 = 9.427379011374553e-01$ 第2256次迭代 $f(x_{2256}) = 8.404501182089034e-04$, $x_1 = 9.710145595146644e-01$, $x_2 = 9.428150200127121e-01$ 第2257次迭代 $f(x_{2257}) = 8.389771624212805e-04$, $x_1 = 9.710898904912952e-01$, $x_2 = 9.428371733231530e-01$ 第2258次迭代 $f(x_{2258}) = 8.375097874480687e-04$, $x_1 = 9.710656898891549e-01$, $x_2 = 9.429124059521485e-01$ 第2259次迭代 $f(x_{2259}) = 8.360445500138648e-04$, $x_1 = 9.711392925162692e-01$, $x_2 = 9.429353405220722e-01$ 第2260次迭代 $f(x_{2260}) = 8.345812084022027e-04$, $x_1 = 9.711164315341768e-01$, $x_2 = 9.430104948854369e-01$ 第2261次迭代 $f(x_{2261}) = 8.331219601197913e-04$, $x_1 = 9.711894593794290e-01$, $x_2 = 9.430336175204007e-01$ 第2262次迭代 $f(x_{2262}) = 8.316628657745672e-04$, $x_1 =$

9.711665329789565e-01, x2 = 9.431102088324584e-01 第2263次迭代 f(x_2263)
=8.302063371445068e-04, x1 = 9.712412595496553e-01, x2 = 9.431323503706917e-01 第2264次
迭代 f(x_2264) =8.287549365506718e-04, x1 = 9.712173547839013e-01, x2 =
9.432070903623307e-01 第2265次迭代 f(x_2265) =8.273059272627211e-04, x1 =
9.712904170383061e-01, x2 = 9.432299807289014e-01 第2266次迭代 f(x_2266)
=8.258583082325900e-04, x1 = 9.712672505545229e-01, x2 = 9.433064606636253e-01 第2267次
迭代 f(x_2267) =8.244118554019213e-04, x1 = 9.713380874815050e-01, x2 =
9.433271918881111e-01 第2268次迭代 f(x_2268) =8.229541109053518e-04, x1 =
9.713166836903360e-01, x2 = 9.434090387375732e-01 第2269次迭代 f(x_2269)
=8.214844446937359e-04, x1 = 9.713896313934481e-01, x2 = 9.434266069575884e-01 第2270次
迭代 f(x_2270) =8.200372520338476e-04, x1 = 9.713685441762054e-01, x2 =
9.435042188283825e-01 第2271次迭代 f(x_2271) =8.185986580955259e-04, x1 =
9.714397225915898e-01, x2 = 9.435245704927887e-01 第2272次迭代 f(x_2272)
=8.171554388504760e-04, x1 = 9.714189685029582e-01, x2 = 9.436018900265509e-01 第2273次
迭代 f(x_2273) =8.157234795618198e-04, x1 = 9.714897300859989e-01, x2 =
9.436223548201358e-01 第2274次迭代 f(x_2274) =8.142843061890709e-04, x1 =
9.714692905594561e-01, x2 = 9.436993918046350e-01 第2275次迭代 f(x_2275)
=8.128588604205651e-04, x1 = 9.715396538687071e-01, x2 = 9.437199603695684e-01 第2276次
迭代 f(x_2276) =8.114230950891740e-04, x1 = 9.715183218184325e-01, x2 =
9.438012553104951e-01 第2277次迭代 f(x_2277) =8.099742308261160e-04, x1 =
9.715908484179204e-01, x2 = 9.438186492122052e-01 第2278次迭代 f(x_2278)
=8.085488506383539e-04, x1 = 9.715697704881914e-01, x2 = 9.438957708194757e-01 第2279次
迭代 f(x_2279) =8.071305573179895e-04, x1 = 9.716405996565194e-01, x2 =
9.439158975514031e-01 第2280次迭代 f(x_2280) =8.057093557097337e-04, x1 =
9.716197907954236e-01, x2 = 9.439927606922264e-01 第2281次迭代 f(x_2281)
=8.042973132970112e-04, x1 = 9.716902674235650e-01, x2 = 9.440129682689318e-01 第2282次
迭代 f(x_2282) =8.028803548593915e-04, x1 = 9.716697101416091e-01, x2 =
9.440895821705837e-01 第2283次迭代 f(x_2283) =8.014744527628045e-04, x1 =
9.717398517439801e-01, x2 = 9.441098617742130e-01 第2284次迭代 f(x_2284)
=8.000617994453749e-04, x1 = 9.717195288886260e-01, x2 = 9.441862354890527e-01 第2285次
迭代 f(x_2285) =7.986619304302946e-04, x1 = 9.717893526513398e-01, x2 =
9.442065784713342e-01 第2286次迭代 f(x_2286) =7.972535249856371e-04, x1 =
9.717680606911627e-01, x2 = 9.442872151290189e-01 第2287次迭代 f(x_2287)
=7.958296139768417e-04, x1 = 9.718359407448625e-01, x2 = 9.443033743504072e-01 第2288次
迭代 f(x_2288) =7.943695883734078e-04, x1 = 9.718182911226553e-01, x2 =
9.443906819682997e-01 第2289次迭代 f(x_2289) =7.929052164120119e-04, x1 =
9.718872563538554e-01, x2 = 9.444042507353614e-01 第2290次迭代 f(x_2290)
=7.914388117029285e-04, x1 = 9.718701921343886e-01, x2 = 9.444925908062760e-01 第2291次
迭代 f(x_2291) =7.899712666491597e-04, x1 = 9.719396572977502e-01, x2 =
9.445058113167516e-01 第2292次迭代 f(x_2292) =7.885193090279894e-04, x1 =
9.719223061860788e-01, x2 = 9.445926680065421e-01 第2293次迭代 f(x_2293)
=7.870692597221283e-04, x1 = 9.719907902824796e-01, x2 = 9.446063018157631e-01 第2294次
迭代 f(x_2294) =7.856112716067459e-04, x1 = 9.719739870550402e-01, x2 =
9.446942052429612e-01 第2295次迭代 f(x_2295) =7.841576529462237e-04, x1 =
9.720430018534765e-01, x2 = 9.447074753869580e-01 第2296次迭代 f(x_2296)
=7.827146695507344e-04, x1 = 9.720258767679749e-01, x2 = 9.447939195955087e-01 第2297次
迭代 f(x_2297) =7.812778304794121e-04, x1 = 9.720939522515601e-01, x2 =
9.448075819081508e-01 第2298次迭代 f(x_2298) =7.798292121566324e-04, x1 =
9.720773382267505e-01, x2 = 9.448950867956937e-01 第2299次迭代 f(x_2299)
=7.783884004909240e-04, x1 = 9.721459753726673e-01, x2 = 9.449083699403236e-01 第2300次

迭代 $f(x_{2300}) = 7.769552558547368e-04$, $x_1 = 9.721290056275892e-01$, $x_2 = 9.449944391739326e-01$ 第2301次迭代 $f(x_{2301}) = 7.755305615568239e-04$, $x_1 = 9.721967432908812e-01$, $x_2 = 9.450080943476580e-01$ 第2302次迭代 $f(x_{2302}) = 7.740922262077014e-04$, $x_1 = 9.721802483208586e-01$, $x_2 = 9.450952379397632e-01$ 第2303次迭代 $f(x_{2303}) = 7.726631456780184e-04$, $x_1 = 9.722485789329832e-01$, $x_2 = 9.451084982787965e-01$ 第2304次迭代 $f(x_{2304}) = 7.712406715077488e-04$, $x_1 = 9.722316953197002e-01$, $x_2 = 9.451942292686880e-01$ 第2305次迭代 $f(x_{2305}) = 7.698270942088808e-04$, $x_1 = 9.722991645427659e-01$, $x_2 = 9.452078423944094e-01$ 第2306次迭代 $f(x_{2306}) = 7.683999242100279e-04$, $x_1 = 9.722827198053503e-01$, $x_2 = 9.452946612380203e-01$ 第2307次迭代 $f(x_{2307}) = 7.669815332639098e-04$, $x_1 = 9.723508137240695e-01$, $x_2 = 9.453078636296304e-01$ 第2308次迭代 $f(x_{2308}) = 7.655705367767981e-04$, $x_1 = 9.723339482024002e-01$, $x_2 = 9.453932924907718e-01$ 第2309次迭代 $f(x_{2309}) = 7.641670777158670e-04$, $x_1 = 9.724012172575625e-01$, $x_2 = 9.454068292359017e-01$ 第2310次迭代 $f(x_{2310}) = 7.627519333365223e-04$, $x_1 = 9.723847549520176e-01$, $x_2 = 9.454933593371773e-01$ 第2311次迭代 $f(x_{2311}) = 7.613432160426052e-04$, $x_1 = 9.724526810434230e-01$, $x_2 = 9.455064691475683e-01$ 第2312次迭代 $f(x_{2312}) = 7.599444878860072e-04$, $x_1 = 9.724357664434387e-01$, $x_2 = 9.455916315320252e-01$ 第2313次迭代 $f(x_{2313}) = 7.585501691081360e-04$, $x_1 = 9.725029027900061e-01$, $x_2 = 9.456050579889328e-01$ 第2314次迭代 $f(x_{2314}) = 7.571478968213546e-04$, $x_1 = 9.724863558422069e-01$, $x_2 = 9.456913349648389e-01$ 第2315次迭代 $f(x_{2315}) = 7.557478546009244e-04$, $x_1 = 9.725541822931234e-01$, $x_2 = 9.457043179165869e-01$ 第2316次迭代 $f(x_{2316}) = 7.543621764709196e-04$, $x_1 = 9.725371520252134e-01$, $x_2 = 9.457892491625588e-01$ 第2317次迭代 $f(x_{2317}) = 7.529760329645216e-04$, $x_1 = 9.726042225964114e-01$, $x_2 = 9.458025317011098e-01$ 第2318次迭代 $f(x_{2318}) = 7.515874734943187e-04$, $x_1 = 9.725875243712210e-01$, $x_2 = 9.458885909272307e-01$ 第2319次迭代 $f(x_{2319}) = 7.501951171478400e-04$, $x_1 = 9.726553189773883e-01$, $x_2 = 9.459014129512163e-01$ 第2320次迭代 $f(x_{2320}) = 7.488232692172544e-04$, $x_1 = 9.726381067484650e-01$, $x_2 = 9.459861482288432e-01$ 第2321次迭代 $f(x_{2321}) = 7.474443412807775e-04$, $x_1 = 9.727051782326568e-01$, $x_2 = 9.459992533519471e-01$ 第2322次迭代 $f(x_{2322}) = 7.460701326596332e-04$, $x_1 = 9.726885770837363e-01$, $x_2 = 9.460835318097246e-01$ 第2323次迭代 $f(x_{2323}) = 7.447041312653090e-04$, $x_1 = 9.727549515201690e-01$, $x_2 = 9.460969067957162e-01$ 第2324次迭代 $f(x_{2324}) = 7.433274420829584e-04$, $x_1 = 9.727386323773549e-01$, $x_2 = 9.461823316434322e-01$ 第2325次迭代 $f(x_{2325}) = 7.419547703749001e-04$, $x_1 = 9.728057713065247e-01$, $x_2 = 9.461952259414819e-01$ 第2326次迭代 $f(x_{2326}) = 7.405955029260487e-04$, $x_1 = 9.727888912798284e-01$, $x_2 = 9.462793598975912e-01$ 第2327次迭代 $f(x_{2327}) = 7.392353366960086e-04$, $x_1 = 9.728553640499689e-01$, $x_2 = 9.462925085357018e-01$ 第2328次迭代 $f(x_{2328}) = 7.378743970265613e-04$, $x_1 = 9.728387302130229e-01$, $x_2 = 9.463778024115620e-01$ 第2329次迭代 $f(x_{2329}) = 7.365069792876538e-04$, $x_1 = 9.729043608780242e-01$, $x_2 = 9.463901433333531e-01$ 第2330次迭代 $f(x_{2330}) = 7.351191781506350e-04$, $x_1 = 9.728894760550251e-01$, $x_2 = 9.464766942540523e-01$ 第2331次迭代 $f(x_{2331}) = 7.337562511794612e-04$, $x_1 = 9.729550370284982e-01$, $x_2 = 9.464889842755086e-01$ 第2332次迭代 $f(x_{2332}) = 7.323748518474237e-04$, $x_1 = 9.729401124010070e-01$, $x_2 = 9.465754035847871e-01$ 第2333次迭代 $f(x_{2333}) = 7.310161504774405e-04$, $x_1 = 9.730056203721590e-01$, $x_2 = 9.465876343216219e-01$ 第2334次迭代 $f(x_{2334}) = 7.296413749762819e-04$, $x_1 = 9.729906394961569e-01$, $x_2 = 9.466739307617549e-01$ 第2335次迭代 $f(x_{2335}) = 7.282866354168635e-04$, $x_1 = 9.730561111007343e-01$, $x_2 = 9.466860938580235e-01$ 第2336次迭代 $f(x_{2336}) = 7.269187053673979e-04$, $x_1 = 9.730410575739841e-01$, $x_2 = 9.467722761478436e-01$ 第2337次迭代 $f(x_{2337}) = 7.255676646732673e-04$, $x_1 =$

9.731065094119244e-01, x2 = 9.467843632668821e-01 第2338次迭代 f(x_2338)
=7.242068018149118e-04, x1 = 9.730913668564043e-01, x2 = 9.468704401107968e-01 第2339次
迭代 f(x_2339) =7.228591973602793e-04, x1 = 9.731568155093612e-01, x2 =
9.468824429262273e-01 第2340次迭代 f(x_2340) =7.215056240728793e-04, x1 =
9.731415675538061e-01, x2 = 9.469684230231790e-01 第2341次迭代 f(x_2341)
=7.201611930283805e-04, x1 = 9.732070296025772e-01, x2 = 9.469803332099670e-01 第2342次
迭代 f(x_2342) =7.188151328540446e-04, x1 = 9.731916598650963e-01, x2 =
9.470662252623524e-01 第2343次迭代 f(x_2343) =7.174736116646096e-04, x1 =
9.732571519069884e-01, x2 = 9.470780344878993e-01 第2344次迭代 f(x_2344)
=7.161352898313197e-04, x1 = 9.732416439777277e-01, x2 = 9.471638472104629e-01 第2345次
迭代 f(x_2345) =7.147964136932109e-04, x1 = 9.733071826438860e-01, x2 =
9.471755471257183e-01 第2346次迭代 f(x_2346) =7.134660576421168e-04, x1 =
9.732915200677064e-01, x2 = 9.472612892544361e-01 第2347次迭代 f(x_2347)
=7.121295599772200e-04, x1 = 9.733571220404412e-01, x2 = 9.472728714850144e-01 第2348次
迭代 f(x_2348) =7.108073998954513e-04, x1 = 9.733412882995790e-01, x2 =
9.473585517859830e-01 第2349次迭代 f(x_2349) =7.094730118210131e-04, x1 =
9.734069703297195e-01, x2 = 9.473700079232684e-01 第2350次迭代 f(x_2350)
=7.081589489042510e-04, x1 = 9.733914155996592e-01, x2 = 9.474531405216422e-01 第2351次
迭代 f(x_2351) =7.068580723116672e-04, x1 = 9.734565979422455e-01, x2 =
9.474658968503591e-01 第2352次迭代 f(x_2352) =7.055635189997148e-04, x1 =
9.734402901832864e-01, x2 = 9.475478759273842e-01 第2353次迭代 f(x_2353)
=7.042717332053457e-04, x1 = 9.735050324875989e-01, x2 = 9.475607727115144e-01 第2354次
迭代 f(x_2354) =7.029782184323976e-04, x1 = 9.734890603948663e-01, x2 =
9.476424410103050e-01 第2355次迭代 f(x_2355) =7.016952183359283e-04, x1 =
9.735533815040104e-01, x2 = 9.476554687403658e-01 第2356次迭代 f(x_2356)
=7.004026636509173e-04, x1 = 9.735374298173202e-01, x2 = 9.477383790611182e-01 第2357次
迭代 f(x_2357) =6.991101287574893e-04, x1 = 9.736027463193191e-01, x2 =
9.477508108789950e-01 第2358次迭代 f(x_2358) =6.978371113296125e-04, x1 =
9.735859982186337e-01, x2 = 9.478325985927536e-01 第2359次迭代 f(x_2359)
=6.965530700996172e-04, x1 = 9.736509192205222e-01, x2 = 9.478451485239218e-01 第2360次
迭代 f(x_2360) =6.952815483371683e-04, x1 = 9.736344632788146e-01, x2 =
9.479266486052079e-01 第2361次迭代 f(x_2361) =6.940057137572627e-04, x1 =
9.736990068936588e-01, x2 = 9.479393075169824e-01 第2362次迭代 f(x_2362)
=6.927359210955895e-04, x1 = 9.736828254311047e-01, x2 = 9.480205293163284e-01 第2363次
迭代 f(x_2363) =6.914680167156342e-04, x1 = 9.737470093807231e-01, x2 =
9.480332882775755e-01 第2364次迭代 f(x_2364) =6.902001772895145e-04, x1 =
9.737310850952416e-01, x2 = 9.481142409499713e-01 第2365次迭代 f(x_2365)
=6.889399365296822e-04, x1 = 9.737949267312935e-01, x2 = 9.481270912202577e-01 第2366次
迭代 f(x_2366) =6.876741794388401e-04, x1 = 9.737789452378515e-01, x2 =
9.482093140280712e-01 第2367次迭代 f(x_2367) =6.864033902674534e-04, x1 =
9.738422675174918e-01, x2 = 9.482212350013024e-01 第2368次迭代 f(x_2368)
=6.851168313448148e-04, x1 = 9.738276723493482e-01, x2 = 9.483048253373567e-01 第2369次
迭代 f(x_2369) =6.838459148377404e-04, x1 = 9.738912247978547e-01, x2 =
9.483165449670107e-01 第2370次迭代 f(x_2370) =6.825696581423418e-04, x1 =
9.738762935357923e-01, x2 = 9.484001612362273e-01 第2371次迭代 f(x_2371)
=6.812983305410925e-04, x1 = 9.739400933587584e-01, x2 = 9.484116708896274e-01 第2372次
迭代 f(x_2372) =6.800326342999637e-04, x1 = 9.739248088321045e-01, x2 =
9.484953221701463e-01 第2373次迭代 f(x_2373) =6.787606036668313e-04, x1 =
9.739888734999012e-01, x2 = 9.485066130798476e-01 第2374次迭代 f(x_2374)
=6.775054048546553e-04, x1 = 9.739736743633089e-01, x2 = 9.485878701903178e-01 第2375次

迭代 $f(x_{2375}) = 6.762626690282119e-04$, $x_1 = 9.740374383371784e-01$, $x_2 = 9.486003358271924e-01$ 第2376次迭代 $f(x_{2376}) = 6.750283884628735e-04$, $x_1 = 9.740213236771437e-01$, $x_2 = 9.486805572288796e-01$ 第2377次迭代 $f(x_{2377}) = 6.737920465689062e-04$, $x_1 = 9.740848372308365e-01$, $x_2 = 9.486930680576999e-01$ 第2378次迭代 $f(x_{2378}) = 6.725609377223983e-04$, $x_1 = 9.740688728231102e-01$, $x_2 = 9.487730770821518e-01$ 第2379次迭代 $f(x_{2379}) = 6.713307631967220e-04$, $x_1 = 9.741321517207907e-01$, $x_2 = 9.487856251818162e-01$ 第2380次迭代 $f(x_{2380}) = 6.701030080627210e-04$, $x_1 = 9.741163221305895e-01$, $x_2 = 9.488654300128219e-01$ 第2381次迭代 $f(x_{2381}) = 6.688787801395668e-04$, $x_1 = 9.741793819066089e-01$, $x_2 = 9.488780075807836e-01$ 第2382次迭代 $f(x_{2382}) = 6.676545558078873e-04$, $x_1 = 9.741636719183304e-01$, $x_2 = 9.489576162881079e-01$ 第2383次迭代 $f(x_{2383}) = 6.664360590547852e-04$, $x_1 = 9.742265278937271e-01$, $x_2 = 9.489702156318973e-01$ 第2384次迭代 $f(x_{2384}) = 6.652155381451818e-04$, $x_1 = 9.742109224947049e-01$, $x_2 = 9.490496361796278e-01$ 第2385次迭代 $f(x_{2385}) = 6.640025620171805e-04$, $x_1 = 9.742735897932957e-01$, $x_2 = 9.490622497085848e-01$ 第2386次迭代 $f(x_{2386}) = 6.627859130965038e-04$, $x_1 = 9.742580741579465e-01$, $x_2 = 9.491414899632747e-01$ 第2387次迭代 $f(x_{2387}) = 6.615782515080772e-04$, $x_1 = 9.743205677220393e-01$, $x_2 = 9.491541101804792e-01$ 第2388次迭代 $f(x_{2388}) = 6.603656394923299e-04$, $x_1 = 9.743051271963701e-01$, $x_2 = 9.492331779191064e-01$ 第2389次迭代 $f(x_{2389}) = 6.591630904053345e-04$, $x_1 = 9.743674618021256e-01$, $x_2 = 9.492457974134886e-01$ 第2390次迭代 $f(x_{2390}) = 6.579546705938344e-04$, $x_1 = 9.743517902163794e-01$, $x_2 = 9.493261966847314e-01$ 第2391次迭代 $f(x_{2391}) = 6.567397272605151e-04$, $x_1 = 9.744137907658966e-01$, $x_2 = 9.493378187282335e-01$ 第2392次迭代 $f(x_{2392}) = 6.555139774888820e-04$, $x_1 = 9.743992959884967e-01$, $x_2 = 9.494196468516281e-01$ 第2393次迭代 $f(x_{2393}) = 6.542963807132721e-04$, $x_1 = 9.744617002945185e-01$, $x_2 = 9.494309806933900e-01$ 第2394次迭代 $f(x_{2394}) = 6.530831165041649e-04$, $x_1 = 9.744466968117934e-01$, $x_2 = 9.495129265249779e-01$ 第2395次迭代 $f(x_{2395}) = 6.518625188901047e-04$, $x_1 = 9.745095242696731e-01$, $x_2 = 9.495239624200333e-01$ 第2396次迭代 $f(x_{2396}) = 6.506613410644353e-04$, $x_1 = 9.744944450900097e-01$, $x_2 = 9.496036450543732e-01$ 第2397次迭代 $f(x_{2397}) = 6.494669375334327e-04$, $x_1 = 9.745571396240036e-01$, $x_2 = 9.496157488126664e-01$ 第2398次迭代 $f(x_{2398}) = 6.482877030320439e-04$, $x_1 = 9.745410042224268e-01$, $x_2 = 9.496944986109477e-01$ 第2399次迭代 $f(x_{2399}) = 6.470974679251412e-04$, $x_1 = 9.746036114364265e-01$, $x_2 = 9.497065657800096e-01$ 第2400次迭代 $f(x_{2400}) = 6.459231647312313e-04$, $x_1 = 9.745879596925677e-01$, $x_2 = 9.497827846044125e-01$ 第2401次迭代 $f(x_{2401}) = 6.447629381132127e-04$, $x_1 = 9.746506588373209e-01$, $x_2 = 9.497964672681140e-01$ 第2402次迭代 $f(x_{2402}) = 6.436145026893621e-04$, $x_1 = 9.746338190071554e-01$, $x_2 = 9.498696849536602e-01$ 第2403次迭代 $f(x_{2403}) = 6.424753591009435e-04$, $x_1 = 9.746946489347178e-01$, $x_2 = 9.498842431688586e-01$ 第2404次迭代 $f(x_{2404}) = 6.413132623168848e-04$, $x_1 = 9.746787294249977e-01$, $x_2 = 9.499603478213348e-01$ 第2405次迭代 $f(x_{2405}) = 6.401583514812671e-04$, $x_1 = 9.747415379414374e-01$, $x_2 = 9.499738093482596e-01$ 第2406次迭代 $f(x_{2406}) = 6.390213938998452e-04$, $x_1 = 9.747244107270473e-01$, $x_2 = 9.500469361253158e-01$ 第2407次迭代 $f(x_{2407}) = 6.378874233487770e-04$, $x_1 = 9.747853687935263e-01$, $x_2 = 9.500612638294179e-01$ 第2408次迭代 $f(x_{2408}) = 6.367380500839207e-04$, $x_1 = 9.747691281284392e-01$, $x_2 = 9.501372825940168e-01$ 第2409次迭代 $f(x_{2409}) = 6.355875380998047e-04$, $x_1 = 9.748297048342225e-01$, $x_2 = 9.501499926155036e-01$ 第2410次迭代 $f(x_{2410}) = 6.344171516242673e-04$, $x_1 = 9.748148399923392e-01$, $x_2 = 9.502286357424670e-01$ 第2411次迭代 $f(x_{2411}) = 6.332537240883584e-04$, $x_1 = 9.748767343598332e-01$, $x_2 = 9.502405899969678e-01$ 第2412次迭代 $f(x_{2412}) = 6.321058198597029e-04$, $x_1 =$

9.748612202071303e-01, x2 = 9.503159837727019e-01 第2413次迭代 f(x_2413)
=6.309708650827522e-04, x1 = 9.749232880073531e-01, x2 = 9.503294935215804e-01 第2414次
迭代 f(x_2414) =6.298488464725837e-04, x1 = 9.749065218518301e-01, x2 =
9.504019586046418e-01 第2415次迭代 f(x_2415) =6.287337986557864e-04, x1 =
9.749668157353968e-01, x2 = 9.504162958050597e-01 第2416次迭代 f(x_2416)
=6.275995292575931e-04, x1 = 9.749508790246678e-01, x2 = 9.504916575412360e-01 第2417次
迭代 f(x_2417) =6.264681383972307e-04, x1 = 9.750108438961439e-01, x2 =
9.505043636423555e-01 第2418次迭代 f(x_2418) =6.253134685126544e-04, x1 =
9.749962185603567e-01, x2 = 9.505823583418478e-01 第2419次迭代 f(x_2419)
=6.241688377793895e-04, x1 = 9.750575402869646e-01, x2 = 9.505942893682835e-01 第2420次
迭代 f(x_2420) =6.230371587254757e-04, x1 = 9.750417325276606e-01, x2 =
9.506714454450329e-01 第2421次迭代 f(x_2421) =6.218946931737751e-04, x1 =
9.751031189705798e-01, x2 = 9.506832637712014e-01 第2422次迭代 f(x_2422)
=6.207692676786498e-04, x1 = 9.750876395970833e-01, x2 = 9.507580146807286e-01 第2423次
迭代 f(x_2423) =6.196542597705380e-04, x1 = 9.751492648509226e-01, x2 =
9.507713399112876e-01 第2424次迭代 f(x_2424) =6.185545450798139e-04, x1 =
9.751324818970832e-01, x2 = 9.508432214212709e-01 第2425次迭代 f(x_2425)
=6.174585544674738e-04, x1 = 9.751924080561845e-01, x2 = 9.508573363897874e-01 第2426次
迭代 f(x_2426) =6.163479285920094e-04, x1 = 9.751763791442107e-01, x2 =
9.509321226186208e-01 第2427次迭代 f(x_2427) =6.152346715027948e-04, x1 =
9.752360446388350e-01, x2 = 9.509445881403882e-01 第2428次迭代 f(x_2428)
=6.141053426704808e-04, x1 = 9.752212477517955e-01, x2 = 9.510220176367054e-01 第2429次
迭代 f(x_2429) =6.129780152558718e-04, x1 = 9.752808413411095e-01, x2 =
9.510333921583152e-01 第2430次迭代 f(x_2430) =6.118357741583238e-04, x1 =
9.752669169116051e-01, x2 = 9.511123364739050e-01 第2431次迭代 f(x_2431)
=6.107025285129043e-04, x1 = 9.753271580663835e-01, x2 = 9.511233011952331e-01 第2432次
迭代 f(x_2432) =6.095755634206100e-04, x1 = 9.753129087781817e-01, x2 =
9.512001857841428e-01 第2433次迭代 f(x_2433) =6.084628506032000e-04, x1 =
9.753732727624480e-01, x2 = 9.512120546924363e-01 第2434次迭代 f(x_2434)
=6.073594963392349e-04, x1 = 9.753577664019861e-01, x2 = 9.512881575070109e-01 第2435次
迭代 f(x_2435) =6.062477836415813e-04, x1 = 9.754182872518663e-01, x2 =
9.512998676619662e-01 第2436次迭代 f(x_2436) =6.051516383104896e-04, x1 =
9.754030117776862e-01, x2 = 9.513736443831430e-01 第2437次迭代 f(x_2437)
=6.040655959818961e-04, x1 = 9.754638620152482e-01, x2 = 9.513867940506694e-01 第2438次
迭代 f(x_2438) =6.029952557252475e-04, x1 = 9.754472123191524e-01, x2 =
9.514577832886304e-01 第2439次迭代 f(x_2439) =6.019269144741138e-04, x1 =
9.755064722052920e-01, x2 = 9.514716678726625e-01 第2440次迭代 f(x_2440)
=6.008471014511728e-04, x1 = 9.754904750941509e-01, x2 = 9.515455712460976e-01 第2441次
迭代 f(x_2441) =5.997606486942726e-04, x1 = 9.755495665539549e-01, x2 =
9.515577823449327e-01 第2442次迭代 f(x_2442) =5.986641274765157e-04, x1 =
9.755346924201889e-01, x2 = 9.516343425889298e-01 第2443次迭代 f(x_2443)
=5.975624156100888e-04, x1 = 9.755938051927725e-01, x2 = 9.516454296805706e-01 第2444次
迭代 f(x_2444) =5.964548877035689e-04, x1 = 9.755796990280680e-01, x2 =
9.517235329883532e-01 第2445次迭代 f(x_2445) =5.953460357209691e-04, x1 =
9.756395492201899e-01, x2 = 9.517341655011519e-01 第2446次迭代 f(x_2446)
=5.942540089927483e-04, x1 = 9.756250357224253e-01, x2 = 9.518102801854859e-01 第2447次
迭代 f(x_2447) =5.931646068416756e-04, x1 = 9.756836315502276e-01, x2 =
9.518214783728676e-01 第2448次迭代 f(x_2448) =5.920616674435408e-04, x1 =
9.756698565675966e-01, x2 = 9.518991439470373e-01 第2449次迭代 f(x_2449)
=5.909649680642441e-04, x1 = 9.757292083537680e-01, x2 = 9.519098784082111e-01 第2450次

迭代 $f(x_{2450}) = 5.898781335474672e-04$, $x_1 = 9.757149983501232e-01$, $x_2 = 9.519855778337973e-01$ 第2451次迭代 $f(x_{2451}) = 5.888000735335578e-04$, $x_1 = 9.757745893677231e-01$, $x_2 = 9.519971408963486e-01$ 第2452次迭代 $f(x_{2452}) = 5.877369957040040e-04$, $x_1 = 9.757594996489386e-01$, $x_2 = 9.520698399753242e-01$ 第2453次迭代 $f(x_{2453}) = 5.866827894667828e-04$, $x_1 = 9.758195190678354e-01$, $x_2 = 9.520827681470443e-01$ 第2454次迭代 $f(x_{2454}) = 5.856454994310328e-04$, $x_1 = 9.758029778687719e-01$, $x_2 = 9.521527709490203e-01$ 第2455次迭代 $f(x_{2455}) = 5.846075944045737e-04$, $x_1 = 9.758615258358874e-01$, $x_2 = 9.521663741665333e-01$ 第2456次迭代 $f(x_{2456}) = 5.835625121584120e-04$, $x_1 = 9.758455240710613e-01$, $x_2 = 9.522393009494032e-01$ 第2457次迭代 $f(x_{2457}) = 5.825054836706301e-04$, $x_1 = 9.759040064707613e-01$, $x_2 = 9.522512042472853e-01$ 第2458次迭代 $f(x_{2458}) = 5.814456035344352e-04$, $x_1 = 9.758892852049974e-01$, $x_2 = 9.523253954404944e-01$ 第2459次迭代 $f(x_{2459}) = 5.803878375877847e-04$, $x_1 = 9.759480703922047e-01$, $x_2 = 9.523370672202688e-01$ 第2460次迭代 $f(x_{2460}) = 5.793369228500727e-04$, $x_1 = 9.759329537162620e-01$, $x_2 = 9.524113357671983e-01$ 第2461次迭代 $f(x_{2461}) = 5.782782005481121e-04$, $x_1 = 9.759920570971578e-01$, $x_2 = 9.524227683181939e-01$ 第2462次迭代 $f(x_{2462}) = 5.772358285731030e-04$, $x_1 = 9.759770042824517e-01$, $x_2 = 9.524948492248259e-01$ 第2463次迭代 $f(x_{2463}) = 5.762000856769752e-04$, $x_1 = 9.760365946839402e-01$, $x_2 = 9.525076024299433e-01$ 第2464次迭代 $f(x_{2464}) = 5.751833197311528e-04$, $x_1 = 9.760200443115017e-01$, $x_2 = 9.525770421359372e-01$ 第2465次迭代 $f(x_{2465}) = 5.741630984304509e-04$, $x_1 = 9.760782320797670e-01$, $x_2 = 9.525904357849981e-01$ 第2466次迭代 $f(x_{2466}) = 5.731397323167033e-04$, $x_1 = 9.760621517090262e-01$, $x_2 = 9.526628056682127e-01$ 第2467次迭代 $f(x_{2467}) = 5.720995968202406e-04$, $x_1 = 9.761203369678425e-01$, $x_2 = 9.526744831290878e-01$ 第2468次迭代 $f(x_{2468}) = 5.710626251898543e-04$, $x_1 = 9.761054659520042e-01$, $x_2 = 9.527481363553375e-01$ 第2469次迭代 $f(x_{2469}) = 5.700210163238236e-04$, $x_1 = 9.761640148556694e-01$, $x_2 = 9.527595519657172e-01$ 第2470次迭代 $f(x_{2470}) = 5.689931760674480e-04$, $x_1 = 9.761491564025788e-01$, $x_2 = 9.528310596543931e-01$ 第2471次迭代 $f(x_{2471}) = 5.679734603646288e-04$, $x_1 = 9.762082384466110e-01$, $x_2 = 9.528437608909657e-01$ 第2472次迭代 $f(x_{2472}) = 5.669714197262456e-04$, $x_1 = 9.761918471702409e-01$, $x_2 = 9.529126703270083e-01$ 第2473次迭代 $f(x_{2473}) = 5.659665242555252e-04$, $x_1 = 9.762495858515418e-01$, $x_2 = 9.529259821727516e-01$ 第2474次迭代 $f(x_{2474}) = 5.649583864539492e-04$, $x_1 = 9.762336135616543e-01$, $x_2 = 9.529978246910009e-01$ 第2475次迭代 $f(x_{2475}) = 5.639334072402477e-04$, $x_1 = 9.762913962572576e-01$, $x_2 = 9.530094091965522e-01$ 第2476次迭代 $f(x_{2476}) = 5.629124246875885e-04$, $x_1 = 9.762765757687841e-01$, $x_2 = 9.530825506832873e-01$ 第2477次迭代 $f(x_{2477}) = 5.618854377813418e-04$, $x_1 = 9.763347682043886e-01$, $x_2 = 9.530938503948424e-01$ 第2478次迭代 $f(x_{2478}) = 5.608738351447768e-04$, $x_1 = 9.763199142137604e-01$, $x_2 = 9.531648856341225e-01$ 第2479次迭代 $f(x_{2479}) = 5.598680499500419e-04$, $x_1 = 9.763764479669811e-01$, $x_2 = 9.531769592160623e-01$ 第2480次迭代 $f(x_{2480}) = 5.588424680655113e-04$, $x_1 = 9.763624474118120e-01$, $x_2 = 9.532506778880487e-01$ 第2481次迭代 $f(x_{2481}) = 5.578205179646893e-04$, $x_1 = 9.764192241358437e-01$, $x_2 = 9.532615528656964e-01$ 第2482次迭代 $f(x_{2482}) = 5.567874059972841e-04$, $x_1 = 9.764057280529105e-01$, $x_2 = 9.533368828117718e-01$ 第2483次迭代 $f(x_{2483}) = 5.557559054006809e-04$, $x_1 = 9.764634488213406e-01$, $x_2 = 9.533472007322172e-01$ 第2484次迭代 $f(x_{2484}) = 5.547402624580033e-04$, $x_1 = 9.764493250935171e-01$, $x_2 = 9.534207308418154e-01$ 第2485次迭代 $f(x_{2485}) = 5.537238151171837e-04$, $x_1 = 9.765060692025938e-01$, $x_2 = 9.534314747308703e-01$ 第2486次迭代 $f(x_{2486}) = 5.527012525912905e-04$, $x_1 = 9.764924220045216e-01$, $x_2 = 9.535066233969035e-01$ 第2487次迭代 $f(x_{2487}) = 5.516748969563780e-04$, $x_1 =$

9.765501359709264e-01, x2 = 9.535167973793625e-01 第2488次迭代 f(x_2488)
=5.506696914430254e-04, x1 = 9.765361061457550e-01, x2 = 9.535887994692908e-01 第2489次
迭代 f(x_2489) =5.496726915734205e-04, x1 = 9.765930411441682e-01, x2 =
9.536002904628077e-01 第2490次迭代 f(x_2490) =5.486779777377483e-04, x1 =
9.765784499373291e-01, x2 = 9.536724582171213e-01 第2491次迭代 f(x_2491)
=5.476781036174846e-04, x1 = 9.766358727015892e-01, x2 = 9.536836256386152e-01 第2492次
迭代 f(x_2492) =5.466934109383009e-04, x1 = 9.766211655237668e-01, x2 =
9.537537570347068e-01 第2493次迭代 f(x_2493) =5.457132547674724e-04, x1 =
9.766770332266178e-01, x2 = 9.537656461288935e-01 第2494次迭代 f(x_2494)
=5.447160441199097e-04, x1 = 9.766630839982132e-01, x2 = 9.538384693299136e-01 第2495次
迭代 f(x_2495) =5.437189948869621e-04, x1 = 9.767192748916509e-01, x2 =
9.538491329148764e-01 第2496次迭代 f(x_2496) =5.427157397136832e-04, x1 =
9.767057373144090e-01, x2 = 9.539235906399445e-01 第2497次迭代 f(x_2497)
=5.417082139536015e-04, x1 = 9.767629493360422e-01, x2 = 9.539336589538036e-01 第2498次
迭代 f(x_2498) =5.407226178331662e-04, x1 = 9.767489743568697e-01, x2 =
9.540050291628401e-01 第2499次迭代 f(x_2499) =5.397432974554582e-04, x1 =
9.768054733922987e-01, x2 = 9.540163721875636e-01 第2500次迭代 f(x_2500)
=5.387686979047819e-04, x1 = 9.767908826416390e-01, x2 = 9.540879369744049e-01 第2501次
迭代 f(x_2501) =5.377857606241211e-04, x1 = 9.768465322479493e-01, x2 =
9.540986603363933e-01 第2502次迭代 f(x_2502) =5.367910950585642e-04, x1 =
9.768332750851775e-01, x2 = 9.541725957591048e-01 第2503次迭代 f(x_2503)
=5.357974984493453e-04, x1 = 9.768899701939702e-01, x2 = 9.541827118924849e-01 第2504次
迭代 f(x_2504) =5.348210902616254e-04, x1 = 9.768759784073785e-01, x2 =
9.542549414609900e-01 第2505次迭代 f(x_2505) =5.338405060906790e-04, x1 =
9.769318326299482e-01, x2 = 9.542654154113709e-01 第2506次迭代 f(x_2506)
=5.328591764176583e-04, x1 = 9.769185845127556e-01, x2 = 9.543371434079322e-01 第2507次
迭代 f(x_2507) =5.318908976802818e-04, x1 = 9.769750032241987e-01, x2 =
9.543482319024814e-01 第2508次迭代 f(x_2508) =5.309346959024673e-04, x1 =
9.769605977764714e-01, x2 = 9.544172761822265e-01 第2509次迭代 f(x_2509)
=5.299844283988416e-04, x1 = 9.770155804535225e-01, x2 = 9.544290264091405e-01 第2510次
迭代 f(x_2510) =5.290169964992760e-04, x1 = 9.770018296915981e-01, x2 =
9.545007697235613e-01 第2511次迭代 f(x_2511) =5.280493350909983e-04, x1 =
9.770572209292322e-01, x2 = 9.545112667001919e-01 第2512次迭代 f(x_2512)
=5.270772893807949e-04, x1 = 9.770437806775147e-01, x2 = 9.545846689659104e-01 第2513次
迭代 f(x_2513) =5.260982551246894e-04, x1 = 9.771002741185471e-01, x2 =
9.545945305883595e-01 第2514次迭代 f(x_2514) =5.251441434001518e-04, x1 =
9.770863132297690e-01, x2 = 9.546649370596610e-01 第2515次迭代 f(x_2515)
=5.241917045355014e-04, x1 = 9.771421944605586e-01, x2 = 9.546760083290574e-01 第2516次
迭代 f(x_2516) =5.232489631467030e-04, x1 = 9.771279803493514e-01, x2 =
9.547444951485997e-01 第2517次迭代 f(x_2517) =5.223136959145681e-04, x1 =
9.771824844682238e-01, x2 = 9.547561984900234e-01 第2518次迭代 f(x_2518)
=5.213602407395945e-04, x1 = 9.771688759383274e-01, x2 = 9.548273869827947e-01 第2519次
迭代 f(x_2519) =5.204074394749168e-04, x1 = 9.772238286992651e-01, x2 =
9.548378244282935e-01 第2520次迭代 f(x_2520) =5.194499900772910e-04, x1 =
9.772104823331870e-01, x2 = 9.549106831330785e-01 第2521次迭代 f(x_2521)
=5.184854299110785e-04, x1 = 9.772665750182297e-01, x2 = 9.549204666207205e-01 第2522次
迭代 f(x_2522) =5.175461399044511e-04, x1 = 9.772526669173081e-01, x2 =
9.549903747609549e-01 第2523次迭代 f(x_2523) =5.166073079569513e-04, x1 =
9.773081973826604e-01, x2 = 9.550013356759709e-01 第2524次迭代 f(x_2524)
=5.156795774509252e-04, x1 = 9.772939948891080e-01, x2 = 9.550693604362700e-01 第2525次

迭代 $f(x_{2525}) = 5.147572351899439e-04$, $x_1 = 9.773481998587213e-01$, $x_2 = 9.550809275037406e-01$ 第2526次迭代 $f(x_{2526}) = 5.138196811539241e-04$, $x_1 = 9.773345520543482e-01$, $x_2 = 9.551516576519830e-01$ 第2527次迭代 $f(x_{2527}) = 5.128793312530866e-04$, $x_1 = 9.773892488217309e-01$, $x_2 = 9.551619445570876e-01$ 第2528次迭代 $f(x_{2528}) = 5.119384915567110e-04$, $x_1 = 9.773762050459391e-01$, $x_2 = 9.552322472160617e-01$ 第2529次迭代 $f(x_{2529}) = 5.110085671348339e-04$, $x_1 = 9.774315802265126e-01$, $x_2 = 9.552430723851612e-01$ 第2530次迭代 $f(x_{2530}) = 5.100929239066672e-04$, $x_1 = 9.774172833939393e-01$, $x_2 = 9.553108064941148e-01$ 第2531次迭代 $f(x_{2531}) = 5.091790622938738e-04$, $x_1 = 9.774713677587876e-01$, $x_2 = 9.553222204390672e-01$ 第2532次迭代 $f(x_{2532}) = 5.082543609505149e-04$, $x_1 = 9.774578427524987e-01$, $x_2 = 9.553913524280934e-01$ 第2533次迭代 $f(x_{2533}) = 5.073355769159932e-04$, $x_1 = 9.775126205876417e-01$, $x_2 = 9.554023409800565e-01$ 第2534次迭代 $f(x_{2534}) = 5.064230981357702e-04$, $x_1 = 9.774987473093103e-01$, $x_2 = 9.554696358796071e-01$ 第2535次迭代 $f(x_{2535}) = 5.055197682342216e-04$, $x_1 = 9.775522726598715e-01$, $x_2 = 9.554811938474269e-01$ 第2536次迭代 $f(x_{2536}) = 5.045978438738994e-04$, $x_1 = 9.775388977033576e-01$, $x_2 = 9.555511954791156e-01$ 第2537次迭代 $f(x_{2537}) = 5.036765629201652e-04$, $x_1 = 9.775929596914635e-01$, $x_2 = 9.555614599604443e-01$ 第2538次迭代 $f(x_{2538}) = 5.027520676773833e-04$, $x_1 = 9.775797413456240e-01$, $x_2 = 9.556331559401524e-01$ 第2539次迭代 $f(x_{2539}) = 5.018181507663626e-04$, $x_1 = 9.776327857894680e-01$, $x_2 = 9.556423373664111e-01$ 第2540次迭代 $f(x_{2540}) = 5.008515918105993e-04$, $x_1 = 9.776217133065799e-01$, $x_2 = 9.557189405322414e-01$ 第2541次迭代 $f(x_{2541}) = 4.998878447486592e-04$, $x_1 = 9.776769278775189e-01$, $x_2 = 9.557269436880804e-01$ 第2542次迭代 $f(x_{2542}) = 4.989589532994664e-04$, $x_1 = 9.776646656338154e-01$, $x_2 = 9.557979012260061e-01$ 第2543次迭代 $f(x_{2543}) = 4.980434299421061e-04$, $x_1 = 9.777188287027969e-01$, $x_2 = 9.558079004103875e-01$ 第2544次迭代 $f(x_{2544}) = 4.971346098452433e-04$, $x_1 = 9.777056375921833e-01$, $x_2 = 9.558773275448239e-01$ 第2545次迭代 $f(x_{2545}) = 4.962282777313136e-04$, $x_1 = 9.777592199476978e-01$, $x_2 = 9.558875541348982e-01$ 第2546次迭代 $f(x_{2546}) = 4.953173890159488e-04$, $x_1 = 9.777461402072102e-01$, $x_2 = 9.559586853059900e-01$ 第2547次迭代 $f(x_{2547}) = 4.943981400762447e-04$, $x_1 = 9.777987570776316e-01$, $x_2 = 9.559678143680218e-01$ 第2548次迭代 $f(x_{2548}) = 4.934464389288619e-04$, $x_1 = 9.777877595946399e-01$, $x_2 = 9.560438398716676e-01$ 第2549次迭代 $f(x_{2549}) = 4.924971642863772e-04$, $x_1 = 9.778425762801910e-01$, $x_2 = 9.560517762585925e-01$ 第2550次迭代 $f(x_{2550}) = 4.915830956323328e-04$, $x_1 = 9.778303535564180e-01$, $x_2 = 9.561222216440189e-01$ 第2551次迭代 $f(x_{2551}) = 4.906808133465867e-04$, $x_1 = 9.778841720605470e-01$, $x_2 = 9.561321157082523e-01$ 第2552次迭代 $f(x_{2552}) = 4.897869740331014e-04$, $x_1 = 9.778709837234804e-01$, $x_2 = 9.562010646212069e-01$ 第2553次迭代 $f(x_{2553}) = 4.888932417185170e-04$, $x_1 = 9.779242687570606e-01$, $x_2 = 9.562111624813182e-01$ 第2554次迭代 $f(x_{2554}) = 4.879979004406078e-04$, $x_1 = 9.779115271057369e-01$, $x_2 = 9.562797674064929e-01$ 第2555次迭代 $f(x_{2555}) = 4.871124267006393e-04$, $x_1 = 9.779642958630215e-01$, $x_2 = 9.562900604015941e-01$ 第2556次迭代 $f(x_{2556}) = 4.862152886539682e-04$, $x_1 = 9.779516147244175e-01$, $x_2 = 9.563603787833203e-01$ 第2557次迭代 $f(x_{2557}) = 4.853167409269167e-04$, $x_1 = 9.780056740337896e-01$, $x_2 = 9.563699438890739e-01$ 第2558次迭代 $f(x_{2558}) = 4.844391338084988e-04$, $x_1 = 9.779922527519571e-01$, $x_2 = 9.564375103813917e-01$ 第2559次迭代 $f(x_{2559}) = 4.835621977709095e-04$, $x_1 = 9.780459691737617e-01$, $x_2 = 9.564481112889337e-01$ 第2560次迭代 $f(x_{2560}) = 4.826972362631724e-04$, $x_1 = 9.780320745795773e-01$, $x_2 = 9.565139533934850e-01$ 第2561次迭代 $f(x_{2561}) = 4.818337622722695e-04$, $x_1 = 9.780846962933517e-01$, $x_2 = 9.565250446466711e-01$ 第2562次迭代 $f(x_{2562}) = 4.809619067447291e-04$, $x_1 =$

9.780713932917182e-01, x2 = 9.565923271289276e-01 第2563次迭代 f(x_2563)
=4.800921521852893e-04, x1 = 9.781248487855095e-01, x2 = 9.566029237012628e-01 第2564次
迭代 f(x_2564) =4.792331305860269e-04, x1 = 9.781110535570859e-01, x2 =
9.566684986736086e-01 第2565次迭代 f(x_2565) =4.783764946482921e-04, x1 =
9.781634401496546e-01, x2 = 9.566795726411508e-01 第2566次迭代 f(x_2566)
=4.775107872322333e-04, x1 = 9.781502141740185e-01, x2 = 9.567465930341612e-01 第2567次
迭代 f(x_2567) =4.766477315840495e-04, x1 = 9.782034508466629e-01, x2 =
9.567571643045051e-01 第2568次迭代 f(x_2568) =4.757949905097590e-04, x1 =
9.781897143199167e-01, x2 = 9.568224937338199e-01 第2569次迭代 f(x_2569)
=4.749447390159421e-04, x1 = 9.782419064935993e-01, x2 = 9.568335301674422e-01 第2570次
迭代 f(x_2570) =4.740855638562607e-04, x1 = 9.782287169958996e-01, x2 =
9.569003100230613e-01 第2571次迭代 f(x_2571) =4.732287382300064e-04, x1 =
9.782817762654568e-01, x2 = 9.569108353789625e-01 第2572次迭代 f(x_2572)
=4.723826087673585e-04, x1 = 9.782680584102331e-01, x2 = 9.569759405225169e-01 第2573次
迭代 f(x_2573) =4.715382997073302e-04, x1 = 9.783200962634947e-01, x2 =
9.569869194847422e-01 第2574次迭代 f(x_2574) =4.706860315478799e-04, x1 =
9.783069032650467e-01, x2 = 9.570534800557853e-01 第2575次迭代 f(x_2575)
=4.698349778024747e-04, x1 = 9.783598259980627e-01, x2 = 9.570639391689580e-01 第2576次
迭代 f(x_2576) =4.689957840834903e-04, x1 = 9.783460872842042e-01, x2 =
9.571288410205777e-01 第2577次迭代 f(x_2577) =4.681569843287996e-04, x1 =
9.783980104435193e-01, x2 = 9.571397428173475e-01 第2578次迭代 f(x_2578)
=4.673119913615201e-04, x1 = 9.783847744022242e-01, x2 = 9.572061051254535e-01 第2579次
迭代 f(x_2579) =4.664662390517052e-04, x1 = 9.784363110818166e-01, x2 =
9.572162245928986e-01 第2580次迭代 f(x_2580) =4.656083855760527e-04, x1 =
9.784238975719790e-01, x2 = 9.572850055731521e-01 第2581次迭代 f(x_2581)
=4.647487703376705e-04, x1 = 9.784768180964261e-01, x2 = 9.572943514712730e-01 第2582次
迭代 f(x_2582) =4.639108763157584e-04, x1 = 9.784635602232356e-01, x2 =
9.573605021840178e-01 第2583次迭代 f(x_2583) =4.630706411070227e-04, x1 =
9.785149807049185e-01, x2 = 9.573705473417773e-01 第2584次迭代 f(x_2584)
=4.622203662290263e-04, x1 = 9.785025210483685e-01, x2 = 9.574391186034668e-01 第2585次
迭代 f(x_2585) =4.613660691999342e-04, x1 = 9.785553438137476e-01, x2 =
9.574483811105113e-01 第2586次迭代 f(x_2586) =4.605356480362925e-04, x1 =
9.785420238343021e-01, x2 = 9.575143416371656e-01 第2587次迭代 f(x_2587)
=4.597004399062640e-04, x1 = 9.785933683354877e-01, x2 = 9.575242924941931e-01 第2588次
迭代 f(x_2588) =4.588581893266701e-04, x1 = 9.785808220250716e-01, x2 =
9.575926756037337e-01 第2589次迭代 f(x_2589) =4.580085598401465e-04, x1 =
9.786314497451442e-01, x2 = 9.576014627532150e-01 第2590次迭代 f(x_2590)
=4.571319214714353e-04, x1 = 9.786206763376180e-01, x2 = 9.576746707965218e-01 第2591次
迭代 f(x_2591) =4.562512779557827e-04, x1 = 9.786736514724333e-01, x2 =
9.576821937600019e-01 第2592次迭代 f(x_2592) =4.554114050353022e-04, x1 =
9.786614885243928e-01, x2 = 9.577501429991653e-01 第2593次迭代 f(x_2593)
=4.545723959841706e-04, x1 = 9.787137184318330e-01, x2 = 9.577594388488353e-01 第2594次
迭代 f(x_2594) =4.537528796090705e-04, x1 = 9.787006596073093e-01, x2 =
9.578248184823817e-01 第2595次迭代 f(x_2595) =4.529320396609361e-04, x1 =
9.787514697330704e-01, x2 = 9.578347732539181e-01 第2596次迭代 f(x_2596)
=4.521010672487318e-04, x1 = 9.787391393074286e-01, x2 = 9.579025773979472e-01 第2597次
迭代 f(x_2597) =4.512658182403564e-04, x1 = 9.787913962095237e-01, x2 =
9.579117277980941e-01 第2598次迭代 f(x_2598) =4.504548739312167e-04, x1 =
9.787781554905829e-01, x2 = 9.579769809402502e-01 第2599次迭代 f(x_2599)
=4.496376178655382e-04, x1 = 9.788290093156768e-01, x2 = 9.579867819450826e-01 第2600次

迭代 $f(x_{2600}) = 4.488158584675006e-04$, $x_1 = 9.788168369109380e-01$, $x_2 = 9.580524903541184e-01$ 第2601次迭代 $f(x_{2601}) = 4.480035867089665e-04$, $x_1 = 9.788674246066141e-01$, $x_2 = 9.580623617032445e-01$ 第2602次迭代 $f(x_{2602}) = 4.471829490084080e-04$, $x_1 = 9.788550792407692e-01$, $x_2 = 9.581298298484383e-01$ 第2603次迭代 $f(x_{2603}) = 4.463559087950850e-04$, $x_1 = 9.789050279206090e-01$, $x_2 = 9.581385177811296e-01$ 第2604次迭代 $f(x_{2604}) = 4.455027638930761e-04$, $x_1 = 9.788945343629061e-01$, $x_2 = 9.582095927174835e-01$ 第2605次迭代 $f(x_{2605}) = 4.446579993045040e-04$, $x_1 = 9.789459194571402e-01$, $x_2 = 9.582174827920799e-01$ 第2606次迭代 $f(x_{2606}) = 4.438301768117121e-04$, $x_1 = 9.789341900125080e-01$, $x_2 = 9.582872834639039e-01$ 第2607次迭代 $f(x_{2607}) = 4.429886339043904e-04$, $x_1 = 9.789854810082601e-01$, $x_2 = 9.582951571430304e-01$ 第2608次迭代 $f(x_{2608}) = 4.421641815314859e-04$, $x_1 = 9.789737617185783e-01$, $x_2 = 9.583648299110576e-01$ 第2609次迭代 $f(x_{2609}) = 4.413257004665081e-04$, $x_1 = 9.790249693714160e-01$, $x_2 = 9.583726818391908e-01$ 第2610次迭代 $f(x_{2610}) = 4.405047507235350e-04$, $x_1 = 9.790132496874908e-01$, $x_2 = 9.584422323283563e-01$ 第2611次迭代 $f(x_{2611}) = 4.396691734544353e-04$, $x_1 = 9.790643846824422e-01$, $x_2 = 9.584500571863070e-01$ 第2612次迭代 $f(x_{2612}) = 4.388518575234403e-04$, $x_1 = 9.790526541192208e-01$, $x_2 = 9.585194909876603e-01$ 第2613次迭代 $f(x_{2613}) = 4.380190275348413e-04$, $x_1 = 9.791037270799979e-01$, $x_2 = 9.585272834878652e-01$ 第2614次迭代 $f(x_{2614}) = 4.372054447302827e-04$, $x_1 = 9.790925055594805e-01$, $x_2 = 9.585934776896231e-01$ 第2615次迭代 $f(x_{2615}) = 4.364086586552875e-04$, $x_1 = 9.791429878581072e-01$, $x_2 = 9.586029354656229e-01$ 第2616次迭代 $f(x_{2616}) = 4.356167290187740e-04$, $x_1 = 9.791305468825612e-01$, $x_2 = 9.586678779519702e-01$ 第2617次迭代 $f(x_{2617}) = 4.348239640990917e-04$, $x_1 = 9.791808427194025e-01$, $x_2 = 9.586773664654143e-01$ 第2618次迭代 $f(x_{2618}) = 4.340340534017058e-04$, $x_1 = 9.791685106160248e-01$, $x_2 = 9.587421445135180e-01$ 第2619次迭代 $f(x_{2619}) = 4.332451809956470e-04$, $x_1 = 9.792186301660066e-01$, $x_2 = 9.587516586978366e-01$ 第2620次迭代 $f(x_{2620}) = 4.324573911502778e-04$, $x_1 = 9.792063969904198e-01$, $x_2 = 9.588162775919294e-01$ 第2621次迭代 $f(x_{2621}) = 4.316722856638385e-04$, $x_1 = 9.792563502891456e-01$, $x_2 = 9.588258124518975e-01$ 第2622次迭代 $f(x_{2622}) = 4.308867159523752e-04$, $x_1 = 9.792442062305424e-01$, $x_2 = 9.588902774071056e-01$ 第2623次迭代 $f(x_{2623}) = 4.301052546248983e-04$, $x_1 = 9.792940031829468e-01$, $x_2 = 9.588998280144210e-01$ 第2624次迭代 $f(x_{2624}) = 4.293220018996335e-04$, $x_1 = 9.792819385555647e-01$, $x_2 = 9.589641441811213e-01$ 第2625次迭代 $f(x_{2625}) = 4.285440645977300e-04$, $x_1 = 9.793315889443652e-01$, $x_2 = 9.589737056700863e-01$ 第2626次迭代 $f(x_{2626}) = 4.277632234753822e-04$, $x_1 = 9.793195941791563e-01$, $x_2 = 9.590378781381637e-01$ 第2627次迭代 $f(x_{2627}) = 4.269886924945670e-04$, $x_1 = 9.793691076731147e-01$, $x_2 = 9.590474457014647e-01$ 第2628次迭代 $f(x_{2628}) = 4.262103555435796e-04$, $x_1 = 9.793571733095976e-01$, $x_2 = 9.591114795044747e-01$ 第2629次迭代 $f(x_{2629}) = 4.254391154169726e-04$, $x_1 = 9.794065594716035e-01$, $x_2 = 9.591210483890530e-01$ 第2630次迭代 $f(x_{2630}) = 4.246633733385942e-04$, $x_1 = 9.793946761498858e-01$, $x_2 = 9.591849485082983e-01$ 第2631次迭代 $f(x_{2631}) = 4.238953106521436e-04$, $x_1 = 9.794439444448747e-01$, $x_2 = 9.591945140113057e-01$ 第2632次迭代 $f(x_{2632}) = 4.231222524558397e-04$, $x_1 = 9.794321028978336e-01$, $x_2 = 9.592582853798298e-01$ 第2633次迭代 $f(x_{2633}) = 4.223572556694809e-04$, $x_1 = 9.794812627005496e-01$, $x_2 = 9.592678428446655e-01$ 第2634次迭代 $f(x_{2634}) = 4.215869688431690e-04$, $x_1 = 9.794694537461615e-01$, $x_2 = 9.593314903511706e-01$ 第2635次迭代 $f(x_{2635}) = 4.208249281174819e-04$, $x_1 = 9.795185143487773e-01$, $x_2 = 9.593410351635899e-01$ 第2636次迭代 $f(x_{2636}) = 4.200574987931021e-04$, $x_1 = 9.795067288825823e-01$, $x_2 = 9.594045636562850e-01$ 第2637次迭代 $f(x_{2637}) = 4.192983058208599e-04$, $x_1 =$

9.795556995021862e-01, x2 = 9.594140912405779e-01 第2638次迭代 f(x_2638)
=4.185338189357313e-04, x1 = 9.795439284898800e-01, x2 = 9.594775055309609e-01 第2639次
迭代 f(x_2639) =4.177773667779643e-04, x1 = 9.795928182758405e-01, x2 =
9.594870113461929e-01 第2640次迭代 f(x_2640) =4.170159062323489e-04, x1 =
9.795810527459821e-01, x2 = 9.595503162127739e-01 第2641次迭代 f(x_2641)
=4.162620891584147e-04, x1 = 9.796298707872008e-01, x2 = 9.595597957490850e-01 第2642次
迭代 f(x_2642) =4.155037379697663e-04, x1 = 9.796181018240248e-01, x2 =
9.596229959410545e-01 第2643次迭代 f(x_2643) =4.147524513009839e-04, x1 =
9.796668571560869e-01, x2 = 9.596324447160112e-01 第2644次迭代 f(x_2644)
=4.139972917552894e-04, x1 = 9.796550758924131e-01, x2 = 9.596955449568585e-01 第2645次
迭代 f(x_2645) =4.132484317117409e-04, x1 = 9.797037775046460e-01, x2 =
9.597049585118524e-01 第2646次迭代 f(x_2646) =4.124965455123043e-04, x1 =
9.796919751148752e-01, x2 = 9.597679635029398e-01 第2647次迭代 f(x_2647)
=4.117500090623810e-04, x1 = 9.797406319573230e-01, x2 = 9.597773373996308e-01 第2648次
迭代 f(x_2648) =4.110014774765431e-04, x1 = 9.797287996505090e-01, x2 =
9.598402518237277e-01 第2649次迭代 f(x_2649) =4.102571621887995e-04, x1 =
9.797774206408356e-01, x2 = 9.598495816405236e-01 第2650次迭代 f(x_2650)
=4.095120661928886e-04, x1 = 9.797655496538256e-01, x2 = 9.599124101653052e-01 第2651次
迭代 f(x_2651) =4.087698700898825e-04, x1 = 9.798141436841514e-01, x2 =
9.599216914938761e-01 第2652次迭代 f(x_2652) =4.080282905128132e-04, x1 =
9.798022252747853e-01, x2 = 9.599844387753919e-01 第2653次迭代 f(x_2653)
=4.072881119264896e-04, x1 = 9.798508012184693e-01, x2 = 9.599936672172130e-01 第2654次
迭代 f(x_2654) =4.065501295923964e-04, x1 = 9.798388266588287e-01, x2 =
9.600563379033283e-01 第2655次迭代 f(x_2655) =4.058118670206739e-04, x1 =
9.798873933772040e-01, x2 = 9.600655090662472e-01 第2656次迭代 f(x_2656)
=4.050775628908861e-04, x1 = 9.798753539469025e-01, x2 = 9.601281078000644e-01 第2657次
迭代 f(x_2657) =4.043411148550786e-04, x1 = 9.799239202959732e-01, x2 =
9.601372172948882e-01 第2658次迭代 f(x_2658) =4.036105698734590e-04, x1 =
9.799120327173303e-01, x2 = 9.601985849126554e-01 第2659次迭代 f(x_2659)
=4.028865845945115e-04, x1 = 9.799607580786256e-01, x2 = 9.602083978884162e-01 第2660次
迭代 f(x_2660) =4.021708706408331e-04, x1 = 9.799479933432321e-01, x2 =
9.602684217776094e-01 第2661次迭代 f(x_2661) =4.014537707016104e-04, x1 =
9.799961713917305e-01, x2 = 9.602784515777234e-01 第2662次迭代 f(x_2662)
=4.007367036003462e-04, x1 = 9.799838788190677e-01, x2 = 9.603381378364467e-01 第2663次
迭代 f(x_2663) =4.000262615301432e-04, x1 = 9.800315256258040e-01, x2 =
9.603483763758560e-01 第2664次迭代 f(x_2664) =3.993075567557668e-04, x1 =
9.800193163202460e-01, x2 = 9.604096050169931e-01 第2665次迭代 f(x_2665)
=3.985876584239587e-04, x1 = 9.800669819388712e-01, x2 = 9.604189303132485e-01 第2666次
迭代 f(x_2666) =3.978622941050978e-04, x1 = 9.800554803547099e-01, x2 =
9.604807391767256e-01 第2667次迭代 f(x_2667) =3.971437419940212e-04, x1 =
9.801031876372529e-01, x2 = 9.604899819812578e-01 第2668次迭代 f(x_2668)
=3.964225014249677e-04, x1 = 9.800915711952677e-01, x2 = 9.605517455503396e-01 第2669次
迭代 f(x_2669) =3.957051966114557e-04, x1 = 9.801393288530535e-01, x2 =
9.605609015490186e-01 第2670次迭代 f(x_2670) =3.949881601967368e-04, x1 =
9.801275889525987e-01, x2 = 9.606226243995264e-01 第2671次迭代 f(x_2671)
=3.942720028389211e-04, x1 = 9.801754057366751e-01, x2 = 9.606316892582283e-01 第2672次
迭代 f(x_2672) =3.935592522007604e-04, x1 = 9.801635337330210e-01, x2 =
9.606933759875257e-01 第2673次迭代 f(x_2673) =3.928441413974883e-04, x1 =
9.802114184406656e-01, x2 = 9.607023453488209e-01 第2674次迭代 f(x_2674)
=3.921356805642495e-04, x1 = 9.801996292151064e-01, x2 = 9.607628530809336e-01 第2675次

迭代 $f(x_{2675}) = 3.914320778561684e-04$, $x_1 = 9.802477387162143e-01$, $x_2 = 9.607724810354096e-01$ 第2676次迭代 $f(x_{2676}) = 3.907385404185467e-04$, $x_1 = 9.802350189923995e-01$, $x_2 = 9.608316982893161e-01$ 第2677次迭代 $f(x_{2677}) = 3.900410409059772e-04$, $x_1 = 9.802826538378668e-01$, $x_2 = 9.608415069410134e-01$ 第2678次迭代 $f(x_{2678}) = 3.893467132505511e-04$, $x_1 = 9.802703359597571e-01$, $x_2 = 9.609004239179342e-01$ 第2679次迭代 $f(x_{2679}) = 3.886551296061587e-04$, $x_1 = 9.803175100758953e-01$, $x_2 = 9.609104062768821e-01$ 第2680次迭代 $f(x_{2680}) = 3.879601351566135e-04$, $x_1 = 9.803052042819022e-01$, $x_2 = 9.609708788054500e-01$ 第2681次迭代 $f(x_{2681}) = 3.872583744570044e-04$, $x_1 = 9.803524649680024e-01$, $x_2 = 9.609799266706437e-01$ 第2682次迭代 $f(x_{2682}) = 3.865577069406396e-04$, $x_1 = 9.803407920322266e-01$, $x_2 = 9.610410039661283e-01$ 第2683次迭代 $f(x_{2683}) = 3.858565512641229e-04$, $x_1 = 9.803881612223555e-01$, $x_2 = 9.610499362589615e-01$ 第2684次迭代 $f(x_{2684}) = 3.851605681925555e-04$, $x_1 = 9.803765281220780e-01$, $x_2 = 9.611098668292120e-01$ 第2685次迭代 $f(x_{2685}) = 3.844702284097431e-04$, $x_1 = 9.804241617822594e-01$, $x_2 = 9.611194305176690e-01$ 第2686次迭代 $f(x_{2686}) = 3.837892983981516e-04$, $x_1 = 9.804115668944176e-01$, $x_2 = 9.611781025696354e-01$ 第2687次迭代 $f(x_{2687}) = 3.831045756010350e-04$, $x_1 = 9.804587709934690e-01$, $x_2 = 9.611878245363561e-01$ 第2688次迭代 $f(x_{2688}) = 3.824232116241006e-04$, $x_1 = 9.804465342260856e-01$, $x_2 = 9.612462195178177e-01$ 第2689次迭代 $f(x_{2689}) = 3.817439409771107e-04$, $x_1 = 9.804933214826143e-01$, $x_2 = 9.612560933893299e-01$ 第2690次迭代 $f(x_{2690}) = 3.81062277727786e-04$, $x_1 = 9.804814304537206e-01$, $x_2 = 9.613142177942010e-01$ 第2691次迭代 $f(x_{2691}) = 3.803883016091875e-04$, $x_1 = 9.805278132385075e-01$, $x_2 = 9.613242373745390e-01$ 第2692次迭代 $f(x_{2692}) = 3.797060629769325e-04$, $x_1 = 9.805158914389117e-01$, $x_2 = 9.613839221735350e-01$ 第2693次迭代 $f(x_{2693}) = 3.790220726893634e-04$, $x_1 = 9.805624034859008e-01$, $x_2 = 9.613929952713356e-01$ 第2694次迭代 $f(x_{2694}) = 3.783346643752326e-04$, $x_1 = 9.805510571819167e-01$, $x_2 = 9.614533040516433e-01$ 第2695次迭代 $f(x_{2695}) = 3.776507934422379e-04$, $x_1 = 9.805977240473681e-01$, $x_2 = 9.614622386985237e-01$ 第2696次迭代 $f(x_{2696}) = 3.769684820262095e-04$, $x_1 = 9.805861512956275e-01$, $x_2 = 9.615225616987898e-01$ 第2697次迭代 $f(x_{2697}) = 3.762846211632449e-04$, $x_1 = 9.806329821514825e-01$, $x_2 = 9.615313533490996e-01$ 第2698次迭代 $f(x_{2698}) = 3.756073657844178e-04$, $x_1 = 9.806213936033485e-01$, $x_2 = 9.615905723392718e-01$ 第2699次迭代 $f(x_{2699}) = 3.749335691551072e-04$, $x_1 = 9.806673910900741e-01$, $x_2 = 9.615997292870146e-01$ 第2700次迭代 $f(x_{2700}) = 3.742513177430005e-04$, $x_1 = 9.806563492346356e-01$, $x_2 = 9.616595819231002e-01$ 第2701次迭代 $f(x_{2701}) = 3.735774274545960e-04$, $x_1 = 9.807025232203795e-01$, $x_2 = 9.616685897332004e-01$ 第2702次迭代 $f(x_{2702}) = 3.729004333049334e-04$, $x_1 = 9.806912335547092e-01$, $x_2 = 9.617284680355487e-01$ 第2703次迭代 $f(x_{2703}) = 3.722263377418296e-04$, $x_1 = 9.807375933293639e-01$, $x_2 = 9.617373221028752e-01$ 第2704次迭代 $f(x_{2704}) = 3.715546987125625e-04$, $x_1 = 9.807260466041456e-01$, $x_2 = 9.617972309628663e-01$ 第2705次迭代 $f(x_{2705}) = 3.708802831271450e-04$, $x_1 = 9.807726016018113e-01$, $x_2 = 9.618059266091565e-01$ 第2706次迭代 $f(x_{2706}) = 3.702138785439690e-04$, $x_1 = 9.807610082800247e-01$, $x_2 = 9.618647553364125e-01$ 第2707次迭代 $f(x_{2707}) = 3.695490922721323e-04$, $x_1 = 9.808067659215381e-01$, $x_2 = 9.618737983465396e-01$ 第2708次迭代 $f(x_{2708}) = 3.688781208477711e-04$, $x_1 = 9.807956840936318e-01$, $x_2 = 9.619332720006709e-01$ 第2709次迭代 $f(x_{2709}) = 3.682129166332324e-04$, $x_1 = 9.808416491270451e-01$, $x_2 = 9.619421506228871e-01$ 第2710次迭代 $f(x_{2710}) = 3.675474632608946e-04$, $x_1 = 9.808302889098985e-01$, $x_2 = 9.620016662545001e-01$ 第2711次迭代 $f(x_{2711}) = 3.668817227276485e-04$, $x_1 = 9.808764709535960e-01$, $x_2 = 9.620103757173232e-01$ 第2712次迭代 $f(x_{2712}) = 3.662217655479063e-04$, $x_1 =$

9.808650395431899e-01, x2 = 9.620688298377370e-01 第2713次迭代 f(x_2713)
=3.655652602291771e-04, x1 = 9.809104545943126e-01, x2 = 9.620778715060306e-01 第2714次
迭代 f(x_2714) =3.649009697639515e-04, x1 = 9.808995080373644e-01, x2 =
9.621369791743468e-01 第2715次迭代 f(x_2715) =3.642438336929131e-04, x1 =
9.809451520359035e-01, x2 = 9.621458458352371e-01 第2716次迭代 f(x_2716)
=3.635852264665154e-04, x1 = 9.809339057748642e-01, x2 = 9.622050068861313e-01 第2717次
迭代 f(x_2717) =3.629273367058414e-04, x1 = 9.809797885717637e-01, x2 =
9.622136936503684e-01 第2718次迭代 f(x_2718) =3.622744223708094e-04, x1 =
9.809684478379936e-01, x2 = 9.622718111020753e-01 第2719次迭代 f(x_2719)
=3.616254165457701e-04, x1 = 9.810135918723373e-01, x2 = 9.622808160014193e-01 第2720次
迭代 f(x_2720) =3.609684297825351e-04, x1 = 9.810027101026656e-01, x2 =
9.623395952641814e-01 第2721次迭代 f(x_2721) =3.603185775719557e-04, x1 =
9.810481047358964e-01, x2 = 9.623484144892469e-01 第2722次迭代 f(x_2722)
=3.596674441984218e-04, x1 = 9.810369018186694e-01, x2 = 9.624072585980051e-01 第2723次
迭代 f(x_2723) =3.590166171510976e-04, x1 = 9.810825571826761e-01, x2 =
9.624158871171834e-01 第2724次迭代 f(x_2724) =3.583713139703369e-04, x1 =
9.810712376533681e-01, x2 = 9.624737049198245e-01 第2725次迭代 f(x_2725)
=3.577290577374878e-04, x1 = 9.811161805477082e-01, x2 = 9.624826384914312e-01 第2726次
迭代 f(x_2726) =3.570799718345374e-04, x1 = 9.811052946836313e-01, x2 =
9.625411260920835e-01 第2727次迭代 f(x_2727) =3.564366481589597e-04, x1 =
9.811505100642709e-01, x2 = 9.625498632039157e-01 第2728次迭代 f(x_2728)
=3.557935934178038e-04, x1 = 9.811392813402305e-01, x2 = 9.626084272437413e-01 第2729次
迭代 f(x_2729) =3.551490673432131e-04, x1 = 9.811847796690034e-01, x2 =
9.626169626969400e-01 第2730次迭代 f(x_2730) =3.545119254150854e-04, x1 =
9.811734131680181e-01, x2 = 9.626745171894778e-01 第2731次迭代 f(x_2731)
=3.538756911504078e-04, x1 = 9.812182235627466e-01, x2 = 9.626833455082739e-01 第2732次
迭代 f(x_2732) =3.532350869154182e-04, x1 = 9.812072658654091e-01, x2 =
9.627415775874737e-01 第2733次迭代 f(x_2733) =3.525975561487003e-04, x1 =
9.812523710079192e-01, x2 = 9.627501984721242e-01 第2734次迭代 f(x_2734)
=3.519631273299633e-04, x1 = 9.812412590628394e-01, x2 = 9.62807433537773e-01 第2735次
迭代 f(x_2735) =3.513335925797746e-04, x1 = 9.812856982144922e-01, x2 =
9.628163361338192e-01 第2736次迭代 f(x_2736) =3.506957592992094e-04, x1 =
9.812749783248126e-01, x2 = 9.628742539080660e-01 第2737次迭代 f(x_2737)
=3.500648337303750e-04, x1 = 9.813197239838788e-01, x2 = 9.628829434992960e-01 第2738次
迭代 f(x_2738) =3.494332835632989e-04, x1 = 9.813086274981674e-01, x2 =
9.629409557778931e-01 第2739次迭代 f(x_2739) =3.488008218353373e-04, x1 =
9.813536906774722e-01, x2 = 9.629494267021342e-01 第2740次迭代 f(x_2740)
=3.481754430115252e-04, x1 = 9.813424202832148e-01, x2 = 9.630064577134969e-01 第2741次
迭代 f(x_2741) =3.475507517395209e-04, x1 = 9.813868392224089e-01, x2 =
9.630151997658606e-01 第2742次迭代 f(x_2742) =3.469223402150949e-04, x1 =
9.813759366498467e-01, x2 = 9.630729211790851e-01 第2743次迭代 f(x_2743)
=3.462960144453150e-04, x1 = 9.814206850568681e-01, x2 = 9.630814387149941e-01 第2744次
迭代 f(x_2744) =3.456739718459711e-04, x1 = 9.814095933620625e-01, x2 =
9.631381905291668e-01 第2745次迭代 f(x_2745) =3.450551624337550e-04, x1 =
9.814537173436013e-01, x2 = 9.631469693080313e-01 第2746次迭代 f(x_2746)
=3.444301763287741e-04, x1 = 9.814429773825650e-01, x2 = 9.632044165206191e-01 第2747次
迭代 f(x_2747) =3.438096323058913e-04, x1 = 9.814874428321879e-01, x2 =
9.632129649072414e-01 第2748次迭代 f(x_2748) =3.431911857290602e-04, x1 =
9.814764990534550e-01, x2 = 9.632694539086732e-01 第2749次迭代 f(x_2749)
=3.425779212246563e-04, x1 = 9.815203590202135e-01, x2 = 9.632782540975474e-01 第2750次

迭代 $f(x_{2750}) = 3.419566332677415e-04$, $x_1 = 9.815097511640674e-01$, $x_2 = 9.633354433637270e-01$ 第2751次迭代 $f(x_{2751}) = 3.413415316864876e-04$, $x_1 = 9.815539646874742e-01$, $x_2 = 9.633440072401158e-01$ 第2752次迭代 $f(x_{2752}) = 3.407268803034175e-04$, $x_1 = 9.815429334788711e-01$, $x_2 = 9.634013160325869e-01$ 第2753次迭代 $f(x_{2753}) = 3.401097790414152e-04$, $x_1 = 9.815875124952775e-01$, $x_2 = 9.634096376500334e-01$ 第2754次迭代 $f(x_{2754}) = 3.395015581357594e-04$, $x_1 = 9.815762593387031e-01$, $x_2 = 9.634660032960087e-01$ 第2755次迭代 $f(x_{2755}) = 3.388915718489949e-04$, $x_1 = 9.816202513567708e-01$, $x_2 = 9.634745676129731e-01$ 第2756次迭代 $f(x_{2756}) = 3.382809589509301e-04$, $x_1 = 9.816093102391517e-01$, $x_2 = 9.635316409104290e-01$ 第2757次迭代 $f(x_{2757}) = 3.376688630283902e-04$, $x_1 = 9.816536802225210e-01$, $x_2 = 9.635399568538980e-01$ 第2758次迭代 $f(x_{2758}) = 3.370647987219665e-04$, $x_1 = 9.816425033132702e-01$, $x_2 = 9.635960979183669e-01$ 第2759次迭代 $f(x_{2759}) = 3.364596124291337e-04$, $x_1 = 9.816863035645870e-01$, $x_2 = 9.636046479749220e-01$ 第2760次迭代 $f(x_{2760}) = 3.358532928001871e-04$, $x_1 = 9.816754231746874e-01$, $x_2 = 9.636615014351831e-01$ 第2761次迭代 $f(x_{2761}) = 3.352458830407578e-04$, $x_1 = 9.817196140412410e-01$, $x_2 = 9.636697969138328e-01$ 第2762次迭代 $f(x_{2762}) = 3.346462082024844e-04$, $x_1 = 9.817084843748156e-01$, $x_2 = 9.637257288558353e-01$ 第2763次迭代 $f(x_{2763}) = 3.340455159274381e-04$, $x_1 = 9.817521220830873e-01$, $x_2 = 9.637342502140243e-01$ 第2764次迭代 $f(x_{2764}) = 3.334437364516510e-04$, $x_1 = 9.817412735488743e-01$, $x_2 = 9.637908992392051e-01$ 第2765次迭代 $f(x_{2765}) = 3.328407024269428e-04$, $x_1 = 9.817853147345793e-01$, $x_2 = 9.637991597076243e-01$ 第2766次迭代 $f(x_{2766}) = 3.322456433411012e-04$, $x_1 = 9.817742037543054e-01$, $x_2 = 9.638548977526731e-01$ 第2767次迭代 $f(x_{2767}) = 3.316491467890822e-04$, $x_1 = 9.818177077114663e-01$, $x_2 = 9.638633761952404e-01$ 第2768次迭代 $f(x_{2768}) = 3.310521481027934e-04$, $x_1 = 9.818068625690822e-01$, $x_2 = 9.639198359740595e-01$ 第2769次迭代 $f(x_{2769}) = 3.304531864819022e-04$, $x_1 = 9.818507831127059e-01$, $x_2 = 9.639280470899759e-01$ 第2770次迭代 $f(x_{2770}) = 3.298629643604360e-04$, $x_1 = 9.818396626282297e-01$, $x_2 = 9.639836062715694e-01$ 第2771次迭代 $f(x_{2771}) = 3.292703713543797e-04$, $x_1 = 9.818830612750490e-01$, $x_2 = 9.639920277609234e-01$ 第2772次迭代 $f(x_{2772}) = 3.286783894279520e-04$, $x_1 = 9.818721913881612e-01$, $x_2 = 9.640483133097777e-01$ 第2773次迭代 $f(x_{2773}) = 3.280832024007964e-04$, $x_1 = 9.819160200119808e-01$, $x_2 = 9.640564608929736e-01$ 第2774次迭代 $f(x_{2774}) = 3.274980348368465e-04$, $x_1 = 9.819048621199672e-01$, $x_2 = 9.641118560929779e-01$ 第2775次迭代 $f(x_{2775}) = 3.269090578177985e-04$, $x_1 = 9.819481836245366e-01$, $x_2 = 9.641202067312424e-01$ 第2776次迭代 $f(x_{2776}) = 3.263222510302572e-04$, $x_1 = 9.819374643904976e-01$, $x_2 = 9.641752883397000e-01$ 第2777次迭代 $f(x_{2777}) = 3.257392740654347e-04$, $x_1 = 9.819802930919224e-01$, $x_2 = 9.641838348454456e-01$ 第2778次迭代 $f(x_{2778}) = 3.251507201002837e-04$, $x_1 = 9.819698033594789e-01$, $x_2 = 9.642396489109193e-01$ 第2779次迭代 $f(x_{2779}) = 3.245650753980864e-04$, $x_1 = 9.820130756168483e-01$, $x_2 = 9.642479149400497e-01$ 第2780次迭代 $f(x_{2780}) = 3.239836424977085e-04$, $x_1 = 9.820022776070985e-01$, $x_2 = 9.643028546452093e-01$ 第2781次迭代 $f(x_{2781}) = 3.234038570063132e-04$, $x_1 = 9.820450708776627e-01$, $x_2 = 9.643113097131333e-01$ 第2782次迭代 $f(x_{2782}) = 3.228208917326286e-04$, $x_1 = 9.820344873082653e-01$, $x_2 = 9.643669864435608e-01$ 第2783次迭代 $f(x_{2783}) = 3.222382967088644e-04$, $x_1 = 9.820777381703715e-01$, $x_2 = 9.643751541285024e-01$ 第2784次迭代 $f(x_{2784}) = 3.216624447951574e-04$, $x_1 = 9.820668342793125e-01$, $x_2 = 9.644299663926791e-01$ 第2785次迭代 $f(x_{2785}) = 3.210855761723943e-04$, $x_1 = 9.821096195246946e-01$, $x_2 = 9.644383165150495e-01$ 第2786次迭代 $f(x_{2786}) = 3.205084229535404e-04$, $x_1 = 9.820989149363681e-01$, $x_2 = 9.644938704217999e-01$ 第2787次迭代 $f(x_{2787}) = 3.199285953380130e-04$, $x_1 =$

9.821421722087489e-01, x2 = 9.645019260521190e-01 第2788次迭代 f(x_2788)
=3.193585326815294e-04, x1 = 9.821311353519750e-01, x2 = 9.645566253213036e-01 第2789次
迭代 f(x_2789) =3.187843060141523e-04, x1 = 9.821739399685487e-01, x2 =
9.645648569961113e-01 第2790次迭代 f(x_2790) =3.182130541417749e-04, x1 =
9.821632891512108e-01, x2 = 9.646192706653643e-01 第2791次迭代 f(x_2791)
=3.176442504463355e-04, x1 = 9.822056537735407e-01, x2 = 9.646276720398531e-01 第2792次
迭代 f(x_2792) =3.170717825258207e-04, x1 = 9.821951817780924e-01, x2 =
9.646828331826157e-01 第2793次迭代 f(x_2793) =3.164999219514588e-04, x1 =
9.822380331498792e-01, x2 = 9.646909329150899e-01 第2794次迭代 f(x_2794)
=3.159347477642793e-04, x1 = 9.822272101716158e-01, x2 = 9.647452545341215e-01 第2795次
迭代 f(x_2795) =3.153681976414848e-04, x1 = 9.822696337793014e-01, x2 =
9.647535179455536e-01 第2796次迭代 f(x_2796) =3.148020570170356e-04, x1 =
9.822591727356410e-01, x2 = 9.648075667431831e-01 第2797次迭代 f(x_2797)
=3.142406533743479e-04, x1 = 9.823011805309146e-01, x2 = 9.648159878502809e-01 第2798次
迭代 f(x_2798) =3.136734141285640e-04, x1 = 9.822908780501601e-01, x2 =
9.648707898625143e-01 第2799次迭代 f(x_2799) =3.131088443796854e-04, x1 =
9.823333878461851e-01, x2 = 9.648789019094958e-01 第2800次迭代 f(x_2800)
=3.125490582917385e-04, x1 = 9.823227162953599e-01, x2 = 9.649328791580809e-01 第2801次
迭代 f(x_2801) =3.119895335397831e-04, x1 = 9.823648218717121e-01, x2 =
9.649411432046417e-01 第2802次迭代 f(x_2802) =3.114289400057567e-04, x1 =
9.823542935061642e-01, x2 = 9.649958784477494e-01 第2803次迭代 f(x_2803)
=3.108660718668481e-04, x1 = 9.823969170076844e-01, x2 = 9.650038255702529e-01 第2804次
迭代 f(x_2804) =3.103128510871115e-04, x1 = 9.823860080552431e-01, x2 =
9.650577455975712e-01 第2805次迭代 f(x_2805) =3.097549311855468e-04, x1 =
9.824282386654515e-01, x2 = 9.650658391582498e-01 第2806次迭代 f(x_2806)
=3.092010042749284e-04, x1 = 9.824176579250034e-01, x2 = 9.651195043658298e-01 第2807次
迭代 f(x_2807) =3.086478856817495e-04, x1 = 9.824595066634413e-01, x2 =
9.651277388560352e-01 第2808次迭代 f(x_2808) =3.080933236879498e-04, x1 =
9.824490487767331e-01, x2 = 9.651821678739948e-01 第2809次迭代 f(x_2809)
=3.075367285131396e-04, x1 = 9.824914319429415e-01, x2 = 9.651900773875353e-01 第2810次
迭代 f(x_2810) =3.069896406194241e-04, x1 = 9.824805759445956e-01, x2 =
9.652437056061441e-01 第2811次迭代 f(x_2811) =3.064377585045021e-04, x1 =
9.825225880665194e-01, x2 = 9.652517507429144e-01 第2812次迭代 f(x_2812)
=3.058901390741610e-04, x1 = 9.825120391166090e-01, x2 = 9.653051354093816e-01 第2813次
迭代 f(x_2813) =3.053428334100060e-04, x1 = 9.825536906598769e-01, x2 =
9.653133109427405e-01 第2814次迭代 f(x_2814) =3.047947848519323e-04, x1 =
9.825432441504883e-01, x2 = 9.653674652995253e-01 第2815次迭代 f(x_2815)
=3.042438543473342e-04, x1 = 9.825854474087250e-01, x2 = 9.653753074057164e-01 第2816次
迭代 f(x_2816) =3.037033243072844e-04, x1 = 9.825749176236460e-01, x2 =
9.654270436632545e-01 第2817次迭代 f(x_2817) =3.031693585721301e-04, x1 =
9.826162986947017e-01, x2 = 9.654359831985811e-01 第2818次迭代 f(x_2818)
=3.026318323429546e-04, x1 = 9.826056523805614e-01, x2 = 9.654876949671659e-01 第2819次
迭代 f(x_2819) =3.020987515159478e-04, x1 = 9.826470964346196e-01, x2 =
9.654965492661677e-01 第2820次迭代 f(x_2820) =3.015642719011196e-04, x1 =
9.826363273024721e-01, x2 = 9.655482398927496e-01 第2821次迭代 f(x_2821)
=3.010320196508356e-04, x1 = 9.826778407528591e-01, x2 = 9.655570058009646e-01 第2822次
迭代 f(x_2822) =3.005006303118948e-04, x1 = 9.826669424691978e-01, x2 =
9.656086786545112e-01 第2823次迭代 f(x_2823) =2.999691495506588e-04, x1 =
9.827085317751579e-01, x2 = 9.656173529942546e-01 第2824次迭代 f(x_2824)
=2.994408950760292e-04, x1 = 9.826974979578723e-01, x2 = 9.656690114678022e-01 第2825次

迭代 $f(x_{2825}) = 2.989101278920412e-04$, $x_1 = 9.827391696286252e-01$, $x_2 = 9.656775910361085e-01$ 第2826次迭代 $f(x_{2826}) = 2.983850538675383e-04$, $x_1 = 9.827279938429203e-01$, $x_2 = 9.657292385488329e-01$ 第2827次迭代 $f(x_{2827}) = 2.978549396718153e-04$, $x_1 = 9.827687346964147e-01$, $x_2 = 9.657375130053686e-01$ 第2828次迭代 $f(x_{2828}) = 2.973173272863606e-04$, $x_1 = 9.827587807836350e-01$, $x_2 = 9.657908030434589e-01$ 第2829次迭代 $f(x_{2829}) = 2.967834287359085e-04$, $x_1 = 9.828001027029918e-01$, $x_2 = 9.657987299154582e-01$ 第2830次迭代 $f(x_{2830}) = 2.962537290786689e-04$, $x_1 = 9.827896955036886e-01$, $x_2 = 9.658512651805654e-01$ 第2831次迭代 $f(x_{2831}) = 2.957237597904772e-04$, $x_1 = 9.828307188335657e-01$, $x_2 = 9.658592918040630e-01$ 第2832次迭代 $f(x_{2832}) = 2.951941203281460e-04$, $x_1 = 9.828205483779484e-01$, $x_2 = 9.659116209064343e-01$ 第2833次迭代 $f(x_{2833}) = 2.946679748118898e-04$, $x_1 = 9.828612819029292e-01$, $x_2 = 9.659197429104392e-01$ 第2834次迭代 $f(x_{2834}) = 2.941383673789773e-04$, $x_1 = 9.828511510936467e-01$, $x_2 = 9.659728589301487e-01$ 第2835次迭代 $f(x_{2835}) = 2.936082366636101e-04$, $x_1 = 9.828924858068658e-01$, $x_2 = 9.659806234611548e-01$ 第2836次迭代 $f(x_{2836}) = 2.930865090924216e-04$, $x_1 = 9.828818850993408e-01$, $x_2 = 9.660329985144140e-01$ 第2837次迭代 $f(x_{2837}) = 2.925601381670571e-04$, $x_1 = 9.829229393164011e-01$, $x_2 = 9.660408538932821e-01$ 第2838次迭代 $f(x_{2838}) = 2.920385889311643e-04$, $x_1 = 9.829125578019795e-01$, $x_2 = 9.660930321911478e-01$ 第2839次迭代 $f(x_{2839}) = 2.915158780804603e-04$, $x_1 = 9.829533399640372e-01$, $x_2 = 9.661009742216613e-01$ 第2840次迭代 $f(x_{2840}) = 2.909945873092162e-04$, $x_1 = 9.829431694276933e-01$, $x_2 = 9.661529601030332e-01$ 第2841次迭代 $f(x_{2841}) = 2.904754404186341e-04$, $x_1 = 9.829836877874255e-01$, $x_2 = 9.661609846848779e-01$ 第2842次迭代 $f(x_{2842}) = 2.899544568446026e-04$, $x_1 = 9.829735311677307e-01$, $x_2 = 9.662137647116890e-01$ 第2843次迭代 $f(x_{2843}) = 2.894311369546196e-04$, $x_1 = 9.830146729065297e-01$, $x_2 = 9.662214209869799e-01$ 第2844次迭代 $f(x_{2844}) = 2.889179796404182e-04$, $x_1 = 9.830043504708649e-01$, $x_2 = 9.662718865834130e-01$ 第2845次迭代 $f(x_{2845}) = 2.884101139765184e-04$, $x_1 = 9.830447756578895e-01$, $x_2 = 9.662805694800448e-01$ 第2846次迭代 $f(x_{2846}) = 2.879004453226885e-04$, $x_1 = 9.830342563095864e-01$, $x_2 = 9.663310535540554e-01$ 第2847次迭代 $f(x_{2847}) = 2.873927913132714e-04$, $x_1 = 9.830748265227720e-01$, $x_2 = 9.663396109636213e-01$ 第2848次迭代 $f(x_{2848}) = 2.868866627439457e-04$, $x_1 = 9.830641035337619e-01$, $x_2 = 9.663901170768089e-01$ 第2849次迭代 $f(x_{2849}) = 2.863791567924486e-04$, $x_1 = 9.831048256434878e-01$, $x_2 = 9.663985456139305e-01$ 第2850次迭代 $f(x_{2850}) = 2.858766214748394e-04$, $x_1 = 9.830938921873351e-01$, $x_2 = 9.664490773772141e-01$ 第2851次迭代 $f(x_{2851}) = 2.853691696395684e-04$, $x_1 = 9.831337748979337e-01$, $x_2 = 9.664571710216179e-01$ 第2852次迭代 $f(x_{2852}) = 2.848552629210684e-04$, $x_1 = 9.831239638552426e-01$, $x_2 = 9.665093473394177e-01$ 第2853次迭代 $f(x_{2853}) = 2.843435617244768e-04$, $x_1 = 9.831644882459633e-01$, $x_2 = 9.665170639131651e-01$ 第2854次迭代 $f(x_{2854}) = 2.838378160951030e-04$, $x_1 = 9.831541614384189e-01$, $x_2 = 9.665685383863480e-01$ 第2855次迭代 $f(x_{2855}) = 2.833292620492905e-04$, $x_1 = 9.831944651242523e-01$, $x_2 = 9.665763162809878e-01$ 第2856次迭代 $f(x_{2856}) = 2.828241537575538e-04$, $x_1 = 9.831842993710302e-01$, $x_2 = 9.666276249808030e-01$ 第2857次迭代 $f(x_{2857}) = 2.823186665580437e-04$, $x_1 = 9.832243896932423e-01$, $x_2 = 9.666354605597489e-01$ 第2858次迭代 $f(x_{2858}) = 2.818142584993389e-04$, $x_1 = 9.832143778465312e-01$, $x_2 = 9.666866072775175e-01$ 第2859次迭代 $f(x_{2859}) = 2.813117603519773e-04$, $x_1 = 9.832542620069605e-01$, $x_2 = 9.666944969751059e-01$ 第2860次迭代 $f(x_{2860}) = 2.808081131612641e-04$, $x_1 = 9.832443970546649e-01$, $x_2 = 9.667454854326120e-01$ 第2861次迭代 $f(x_{2861}) = 2.803085286554861e-04$, $x_1 = 9.832840821213068e-01$, $x_2 = 9.667534257512581e-01$ 第2862次迭代 $f(x_{2862}) = 2.798056243966190e-04$, $x_1 =$

9.832741727530577e-01, x2 = 9.668052236415575e-01 第2863次迭代 f(x_2863)
=2.793015493615043e-04, x1 = 9.833145273656111e-01, x2 = 9.668127732810431e-01 第2864次
迭代 f(x_2864)=2.788067322602905e-04, x1 = 9.833043959576615e-01, x2 =
9.668623283800559e-01 第2865次迭代 f(x_2865)=2.783170389933890e-04, x1 =
9.833441067469437e-01, x2 = 9.668708557506815e-01 第2866次迭代 f(x_2866)
=2.778260146190374e-04, x1 = 9.833337248867126e-01, x2 = 9.669204579918965e-01 第2867次
迭代 f(x_2867)=2.773361029811597e-04, x1 = 9.833736354977514e-01, x2 =
9.669288330536236e-01 第2868次迭代 f(x_2868)=2.768489323120996e-04, x1 =
9.833629958953816e-01, x2 = 9.669784862780461e-01 第2869次迭代 f(x_2869)
=2.763587301346432e-04, x1 = 9.834031137734783e-01, x2 = 9.669867053544412e-01 第2870次
迭代 f(x_2870)=2.758754765850028e-04, x1 = 9.833922090015530e-01, x2 =
9.670364134722573e-01 第2871次迭代 f(x_2871)=2.753847491957293e-04, x1 =
9.834315568529917e-01, x2 = 9.670442760164424e-01 第2872次迭代 f(x_2872)
=2.748912383874541e-04, x1 = 9.834216967008053e-01, x2 = 9.670956286514103e-01 第2873次
迭代 f(x_2873)=2.743958487325101e-04, x1 = 9.834617376440857e-01, x2 =
9.671030890915300e-01 第2874次迭代 f(x_2874)=2.739104195420118e-04, x1 =
9.834516304545178e-01, x2 = 9.671522327621649e-01 第2875次迭代 f(x_2875)
=2.734290134511155e-04, x1 = 9.834910602557395e-01, x2 = 9.671606484783754e-01 第2876次
迭代 f(x_2876)=2.729475257753243e-04, x1 = 9.834806764763745e-01, x2 =
9.672098532806973e-01 第2877次迭代 f(x_2877)=2.724656926086108e-04, x1 =
9.835203328893396e-01, x2 = 9.672181035831030e-01 第2878次迭代 f(x_2878)
=2.719882134841800e-04, x1 = 9.835096648599023e-01, x2 = 9.672673735432588e-01 第2879次
迭代 f(x_2879)=2.715058126888738e-04, x1 = 9.835485816191113e-01, x2 =
9.672752572351569e-01 第2880次迭代 f(x_2880)=2.710182246422240e-04, x1 =
9.835389268613386e-01, x2 = 9.673261720829754e-01 第2881次迭代 f(x_2881)
=2.705311022141403e-04, x1 = 9.835785507969091e-01, x2 = 9.673336469384640e-01 第2882次
迭代 f(x_2882)=2.700518671064883e-04, x1 = 9.835686255256180e-01, x2 =
9.673823815147533e-01 第2883次迭代 f(x_2883)=2.695781660051991e-04, x1 =
9.836076689313284e-01, x2 = 9.673907914535601e-01 第2884次迭代 f(x_2884)
=2.691029643056506e-04, x1 = 9.835974481229552e-01, x2 = 9.674395973521348e-01 第2885次
迭代 f(x_2885)=2.686286967911790e-04, x1 = 9.836367376008309e-01, x2 =
9.674478323906049e-01 第2886次迭代 f(x_2886)=2.681575998956552e-04, x1 =
9.836262133123860e-01, x2 = 9.674967137788558e-01 第2887次迭代 f(x_2887)
=2.676826574687997e-04, x1 = 9.836647913629218e-01, x2 = 9.675045731823176e-01 第2888次
迭代 f(x_2888)=2.672017051639117e-04, x1 = 9.836552501885039e-01, x2 =
9.675550993357912e-01 第2889次迭代 f(x_2889)=2.667219501596966e-04, x1 =
9.836945512490131e-01, x2 = 9.675625422830286e-01 第2890次迭代 f(x_2890)
=2.662494616467174e-04, x1 = 9.836847188300003e-01, x2 = 9.676109153351489e-01 第2891次
迭代 f(x_2891)=2.657827162125885e-04, x1 = 9.837234666297893e-01, x2 =
9.676192749085486e-01 第2892次迭代 f(x_2892)=2.653143596123975e-04, x1 =
9.837133194351608e-01, x2 = 9.676677296130001e-01 第2893次迭代 f(x_2893)
=2.648469031159283e-04, x1 = 9.837523330752289e-01, x2 = 9.676759046440397e-01 第2894次
迭代 f(x_2894)=2.643827549641789e-04, x1 = 9.837418628286000e-01, x2 =
9.677244453351443e-01 第2895次迭代 f(x_2895)=2.639144525224392e-04, x1 =
9.837801913932331e-01, x2 = 9.677322366223398e-01 第2896次迭代 f(x_2896)
=2.634408043433893e-04, x1 = 9.837706750503334e-01, x2 = 9.677824215859656e-01 第2897次
迭代 f(x_2897)=2.629675654857305e-04, x1 = 9.838097443497967e-01, x2 =
9.677897878377929e-01 第2898次迭代 f(x_2898)=2.625023436196632e-04, x1 =
9.837999184882660e-01, x2 = 9.678378454953048e-01 第2899次迭代 f(x_2899)
=2.620418417571314e-04, x1 = 9.838384587604435e-01, x2 = 9.678461114948728e-01 第2900次

迭代 $f(x_{2900}) = 2.615808594140266e-04$, $x_1 = 9.838282984064455e-01$, $x_2 = 9.678942613691665e-01$ 第2901次迭代 $f(x_{2901}) = 2.611194940657018e-04$, $x_1 = 9.838671247824071e-01$, $x_2 = 9.679023329336477e-01$ 第2902次迭代 $f(x_{2902}) = 2.606628337662404e-04$, $x_1 = 9.838566212739012e-01$, $x_2 = 9.679505795524510e-01$ 第2903次迭代 $f(x_{2903}) = 2.602003876331597e-04$, $x_1 = 9.838947872981778e-01$, $x_2 = 9.679582600548597e-01$ 第2904次迭代 $f(x_{2904}) = 2.597346832665989e-04$, $x_1 = 9.838852092033781e-01$, $x_2 = 9.680081501977156e-01$ 第2905次迭代 $f(x_{2905}) = 2.592671421651198e-04$, $x_1 = 9.839241357327193e-01$, $x_2 = 9.680153960483922e-01$ 第2906次迭代 $f(x_{2906}) = 2.588096871952901e-04$, $x_1 = 9.839142320456220e-01$, $x_2 = 9.680631834371305e-01$ 第2907次迭代 $f(x_{2907}) = 2.583547413593732e-04$, $x_1 = 9.839526510161599e-01$, $x_2 = 9.680713135976413e-01$ 第2908次迭代 $f(x_{2908}) = 2.579016451734473e-04$, $x_1 = 9.839423924557652e-01$, $x_2 = 9.681192040962031e-01$ 第2909次迭代 $f(x_{2909}) = 2.574456632208995e-04$, $x_1 = 9.839801728311158e-01$, $x_2 = 9.681269360524081e-01$ 第2910次迭代 $f(x_{2910}) = 2.569835215468980e-04$, $x_1 = 9.839708179612375e-01$, $x_2 = 9.681764697587996e-01$ 第2911次迭代 $f(x_{2911}) = 2.565224531970660e-04$, $x_1 = 9.840093657870337e-01$, $x_2 = 9.681837638440040e-01$ 第2912次迭代 $f(x_{2912}) = 2.560688572958275e-04$, $x_1 = 9.839996678206111e-01$, $x_2 = 9.682312159074123e-01$ 第2913次迭代 $f(x_{2913}) = 2.556198935224593e-04$, $x_1 = 9.840377312768067e-01$, $x_2 = 9.682393791462571e-01$ 第2914次迭代 $f(x_{2914}) = 2.551706970551709e-04$, $x_1 = 9.840276665651703e-01$, $x_2 = 9.682869407580992e-01$ 第2915次迭代 $f(x_{2915}) = 2.547206331198296e-04$, $x_1 = 9.840660493355622e-01$, $x_2 = 9.682948933878569e-01$ 第2916次迭代 $f(x_{2916}) = 2.542759290089616e-04$, $x_1 = 9.840556085197267e-01$, $x_2 = 9.683425694255051e-01$ 第2917次迭代 $f(x_{2917}) = 2.538244835566907e-04$, $x_1 = 9.840933748609456e-01$, $x_2 = 9.683501177685978e-01$ 第2918次迭代 $f(x_{2918}) = 2.533713129268016e-04$, $x_1 = 9.840839882602420e-01$, $x_2 = 9.683985180603153e-01$ 第2919次迭代 $f(x_{2919}) = 2.529212376063568e-04$, $x_1 = 9.841217211425620e-01$, $x_2 = 9.684060355965567e-01$ 第2920次迭代 $f(x_{2920}) = 2.524700241542575e-04$, $x_1 = 9.841123129162150e-01$, $x_2 = 9.684543677311633e-01$ 第2921次迭代 $f(x_{2921}) = 2.520212723902289e-04$, $x_1 = 9.841500176210936e-01$, $x_2 = 9.684618518717553e-01$ 第2922次迭代 $f(x_{2922}) = 2.515720504504326e-04$, $x_1 = 9.841405825967757e-01$, $x_2 = 9.685101186200338e-01$ 第2923次迭代 $f(x_{2923}) = 2.511245758702938e-04$, $x_1 = 9.841782643905025e-01$, $x_2 = 9.685175667839182e-01$ 第2924次迭代 $f(x_{2924}) = 2.506773796977893e-04$, $x_1 = 9.841687974089383e-01$, $x_2 = 9.685657709095092e-01$ 第2925次迭代 $f(x_{2925}) = 2.502311360827173e-04$, $x_1 = 9.842064615457050e-01$, $x_2 = 9.685731805218105e-01$ 第2926次迭代 $f(x_{2926}) = 2.497859999013713e-04$, $x_1 = 9.841969574576146e-01$, $x_2 = 9.686213247827645e-01$ 第2927次迭代 $f(x_{2927}) = 2.493409411374668e-04$, $x_1 = 9.842346091825647e-01$, $x_2 = 9.686286932732422e-01$ 第2928次迭代 $f(x_{2928}) = 2.488978991881674e-04$, $x_1 = 9.842250628456267e-01$, $x_2 = 9.686767804235608e-01$ 第2929次迭代 $f(x_{2929}) = 2.484539792180029e-04$, $x_1 = 9.842627073978857e-01$, $x_2 = 9.686841052250723e-01$ 第2930次迭代 $f(x_{2930}) = 2.480130658066054e-04$, $x_1 = 9.842531136737178e-01$, $x_2 = 9.687321380162410e-01$ 第2931次迭代 $f(x_{2931}) = 2.475702385810276e-04$, $x_1 = 9.842907562894077e-01$, $x_2 = 9.687394165632124e-01$ 第2932次迭代 $f(x_{2932}) = 2.471314881262180e-04$, $x_1 = 9.842811100405607e-01$, $x_2 = 9.687873977457263e-01$ 第2933次迭代 $f(x_{2933}) = 2.466897075562727e-04$, $x_1 = 9.843187559558024e-01$, $x_2 = 9.687946274726297e-01$ 第2934次迭代 $f(x_{2934}) = 2.462531546374688e-04$, $x_1 = 9.843090520427641e-01$, $x_2 = 9.688425597975131e-01$ 第2935次迭代 $f(x_{2935}) = 2.458123745463729e-04$, $x_1 = 9.843467064966704e-01$, $x_2 = 9.688497381373489e-01$ 第2936次迭代 $f(x_{2936}) = 2.453779797112191e-04$, $x_1 = 9.843372383576829e-01$, $x_2 = 9.688961604066891e-01$ 第2937次迭代 $f(x_{2937}) = 2.449482646752584e-04$, $x_1 =$

9.843744819494952e-01, x2 = 9.689041572192169e-01 第2938次迭代 f(x_2938)
=2.445185116691295e-04, x1 = 9.843645948383859e-01, x2 = 9.689507171534996e-01 第2939次
迭代 f(x_2939)=2.440873281603556e-04, x1 = 9.844022116529669e-01, x2 =
9.689584771601941e-01 第2940次迭代 f(x_2940)=2.436622662046119e-04, x1 =
9.843924224758666e-01, x2 = 9.690027918601158e-01 第2941次迭代 f(x_2941)
=2.432440076717761e-04, x1 = 9.844295518989364e-01, x2 = 9.690118123001159e-01 第2942次
迭代 f(x_2942)=2.428240159871450e-04, x1 = 9.844191423097670e-01, x2 =
9.690563719229419e-01 第2943次迭代 f(x_2943)=2.424038370765302e-04, x1 =
9.844568515044191e-01, x2 = 9.690650499163589e-01 第2944次迭代 f(x_2944)
=2.419886357994559e-04, x1 = 9.844461706827475e-01, x2 = 9.691083729411734e-01 第2945次
迭代 f(x_2945)=2.415744945195971e-04, x1 = 9.844829436130798e-01, x2 =
9.691174779471883e-01 第2946次迭代 f(x_2946)=2.411561931222776e-04, x1 =
9.844727941141658e-01, x2 = 9.691617683987988e-01 第2947次迭代 f(x_2947)
=2.407401521926304e-04, x1 = 9.845101488050794e-01, x2 = 9.691705301374922e-01 第2948次
迭代 f(x_2948)=2.403268753698913e-04, x1 = 9.844997175642884e-01, x2 =
9.692135941172945e-01 第2949次迭代 f(x_2949)=2.399167007291343e-04, x1 =
9.845361559724646e-01, x2 = 9.692227728833070e-01 第2950次迭代 f(x_2950)
=2.395002065453863e-04, x1 = 9.845262447933909e-01, x2 = 9.692668057094224e-01 第2951次
迭代 f(x_2951)=2.390881492741313e-04, x1 = 9.845632672121150e-01, x2 =
9.692756402548084e-01 第2952次迭代 f(x_2952)=2.386768250183757e-04, x1 =
9.845527131129300e-01, x2 = 9.693199299966360e-01 第2953次迭代 f(x_2953)
=2.382626557187724e-04, x1 = 9.845889069021837e-01, x2 = 9.693280880046369e-01 第2954次
迭代 f(x_2954)=2.378413237091092e-04, x1 = 9.845793752152830e-01, x2 =
9.693751790784479e-01 第2955次迭代 f(x_2955)=2.374158923403562e-04, x1 =
9.846163826072099e-01, x2 = 9.693822309763489e-01 第2956次迭代 f(x_2956)
=2.369969704826138e-04, x1 = 9.846070348336460e-01, x2 = 9.694278626940097e-01 第2957次
迭代 f(x_2957)=2.365819013667290e-04, x1 = 9.846436865325103e-01, x2 =
9.694356943967636e-01 第2958次迭代 f(x_2958)=2.361678072360410e-04, x1 =
9.846338789094065e-01, x2 = 9.694814857964855e-01 第2959次迭代 f(x_2959)
=2.357509356224790e-04, x1 = 9.846700409805108e-01, x2 = 9.694888752157814e-01 第2960次
迭代 f(x_2960)=2.353295758204407e-04, x1 = 9.846609720638908e-01, x2 =
9.695363019829036e-01 第2961次迭代 f(x_2961)=2.349070789483547e-04, x1 =
9.846979943965102e-01, x2 = 9.695432089624256e-01 第2962次迭代 f(x_2962)
=2.344941897091218e-04, x1 = 9.846884787107695e-01, x2 = 9.695887052784418e-01 第2963次
迭代 f(x_2963)=2.340821193140077e-04, x1 = 9.847251570965767e-01, x2 =
9.695963828790903e-01 第2964次迭代 f(x_2964)=2.336741599122702e-04, x1 =
9.847151659840407e-01, x2 = 9.696420471589694e-01 第2965次迭代 f(x_2965)
=2.332600088772699e-04, x1 = 9.847513697498955e-01, x2 = 9.696492785766683e-01 第2966次
迭代 f(x_2966)=2.328451495222774e-04, x1 = 9.847422704492479e-01, x2 =
9.696956970103947e-01 第2967次迭代 f(x_2967)=2.324313596902598e-04, x1 =
9.847785590635207e-01, x2 = 9.697028397271851e-01 第2968次迭代 f(x_2968)
=2.320191971230872e-04, x1 = 9.847693221320492e-01, x2 = 9.697492522312628e-01 第2969次
迭代 f(x_2969)=2.316057210006050e-04, x1 = 9.848057008865923e-01, x2 =
9.697563036540048e-01 第2970次迭代 f(x_2970)=2.311962932236276e-04, x1 =
9.847963210944393e-01, x2 = 9.698027130164432e-01 第2971次迭代 f(x_2971)
=2.307830824406639e-04, x1 = 9.848327953341599e-01, x2 = 9.698096705251541e-01 第2972次
迭代 f(x_2972)=2.303762683763332e-04, x1 = 9.848235586791455e-01, x2 =
9.698546607700838e-01 第2973次迭代 f(x_2973)=2.299728596373518e-04, x1 =
9.848597206266890e-01, x2 = 9.698623675089911e-01 第2974次迭代 f(x_2974)
=2.295710066655165e-04, x1 = 9.848499926479856e-01, x2 = 9.699075344210744e-01 第2975次

迭代 $f(x_{2975}) = 2.291655379818053e-04$, $x_1 = 9.848857087675432e-01$, $x_2 = 9.699147865114891e-01$ 第2976次迭代 $f(x_{2976}) = 2.287569909187863e-04$, $x_1 = 9.848768381994162e-01$, $x_2 = 9.699607143031511e-01$ 第2977次迭代 $f(x_{2977}) = 2.283517092152060e-04$, $x_1 = 9.849126613182543e-01$, $x_2 = 9.699678668944316e-01$ 第2978次迭代 $f(x_{2978}) = 2.279459817367541e-04$, $x_1 = 9.849036313803607e-01$, $x_2 = 9.700138004667017e-01$ 第2979次迭代 $f(x_{2979}) = 2.275408380455839e-04$, $x_1 = 9.849395668835289e-01$, $x_2 = 9.700208509185972e-01$ 第2980次迭代 $f(x_{2980}) = 2.271379701666803e-04$, $x_1 = 9.849303722436089e-01$, $x_2 = 9.700667931090157e-01$ 第2981次迭代 $f(x_{2981}) = 2.267329144352946e-04$, $x_1 = 9.849664255825052e-01$, $x_2 = 9.700737387477044e-01$ 第2982次迭代 $f(x_{2982}) = 2.263328803168113e-04$, $x_1 = 9.849573471334968e-01$, $x_2 = 9.701182875575931e-01$ 第2983次迭代 $f(x_{2983}) = 2.259371776368322e-04$, $x_1 = 9.849931162893486e-01$, $x_2 = 9.701259628873782e-01$ 第2984次迭代 $f(x_{2984}) = 2.255421579945508e-04$, $x_1 = 9.849835292769014e-01$, $x_2 = 9.701706977375908e-01$ 第2985次迭代 $f(x_{2985}) = 2.251443213146408e-04$, $x_1 = 9.850188797115177e-01$, $x_2 = 9.701779107554820e-01$ 第2986次迭代 $f(x_{2986}) = 2.247428677842564e-04$, $x_1 = 9.850099522237513e-01$, $x_2 = 9.702242748583630e-01$ 第2987次迭代 $f(x_{2987}) = 2.243391876013373e-04$, $x_1 = 9.850462060009891e-01$, $x_2 = 9.702309848715991e-01$ 第2988次迭代 $f(x_{2988}) = 2.239461345596638e-04$, $x_1 = 9.850367830103584e-01$, $x_2 = 9.702754930207447e-01$ 第2989次迭代 $f(x_{2989}) = 2.235520977150260e-04$, $x_1 = 9.850727602447965e-01$, $x_2 = 9.702829257060522e-01$ 第2990次迭代 $f(x_{2990}) = 2.231639710929685e-04$, $x_1 = 9.850633189579413e-01$, $x_2 = 9.703253434751545e-01$ 第2991次迭代 $f(x_{2991}) = 2.227811603293670e-04$, $x_1 = 9.850989434120206e-01$, $x_2 = 9.703339240737232e-01$ 第2992次迭代 $f(x_{2992}) = 2.223983145320684e-04$, $x_1 = 9.850887955965543e-01$, $x_2 = 9.703766333278152e-01$ 第2993次迭代 $f(x_{2993}) = 2.220130944797917e-04$, $x_1 = 9.851237089682761e-01$, $x_2 = 9.703845162935019e-01$ 第2994次迭代 $f(x_{2994}) = 2.216214957290857e-04$, $x_1 = 9.851147369506650e-01$, $x_2 = 9.704285861770933e-01$ 第2995次迭代 $f(x_{2995}) = 2.212342441725112e-04$, $x_1 = 9.851501241015947e-01$, $x_2 = 9.704361839236587e-01$ 第2996次迭代 $f(x_{2996}) = 2.208477367521669e-04$, $x_1 = 9.851406223272570e-01$, $x_2 = 9.704804513315927e-01$ 第2997次迭代 $f(x_{2997}) = 2.204582032889387e-04$, $x_1 = 9.851756216081591e-01$, $x_2 = 9.704875782820741e-01$ 第2998次迭代 $f(x_{2998}) = 2.200656037565547e-04$, $x_1 = 9.851669098355516e-01$, $x_2 = 9.705326176220139e-01$ 第2999次迭代 $f(x_{2999}) = 2.196758844481596e-04$, $x_1 = 9.852020637679244e-01$, $x_2 = 9.705396218600119e-01$ 第3000次迭代 $f(x_{3000}) = 2.192863728823580e-04$, $x_1 = 9.851931457346386e-01$, $x_2 = 9.705846922225150e-01$ 第3001次迭代 $f(x_{3001}) = 2.188964126450417e-04$, $x_1 = 9.852284601067655e-01$, $x_2 = 9.705915709037443e-01$ 第3002次迭代 $f(x_{3002}) = 2.185100364194116e-04$, $x_1 = 9.852193300566037e-01$, $x_2 = 9.706366753360330e-01$ 第3003次迭代 $f(x_{3003}) = 2.181197785822144e-04$, $x_1 = 9.852548107532121e-01$, $x_2 = 9.706434255674165e-01$ 第3004次迭代 $f(x_{3004}) = 2.177363254074944e-04$, $x_1 = 9.852457486105626e-01$, $x_2 = 9.706871871223717e-01$ 第3005次迭代 $f(x_{3005}) = 2.173548879513140e-04$, $x_1 = 9.852809977015343e-01$, $x_2 = 9.706946289992749e-01$ 第3006次迭代 $f(x_{3006}) = 2.169766360149331e-04$, $x_1 = 9.852713848368894e-01$, $x_2 = 9.707385993160050e-01$ 第3007次迭代 $f(x_{3007}) = 2.165926427111420e-04$, $x_1 = 9.853062706400615e-01$, $x_2 = 9.707455638999399e-01$ 第3008次迭代 $f(x_{3008}) = 2.162086801123008e-04$, $x_1 = 9.852974205834100e-01$, $x_2 = 9.707903095178538e-01$ 第3009次迭代 $f(x_{3009}) = 2.158243194024276e-04$, $x_1 = 9.853324834773621e-01$, $x_2 = 9.707971404462493e-01$ 第3010次迭代 $f(x_{3010}) = 2.154435766629196e-04$, $x_1 = 9.853236825381190e-01$, $x_2 = 9.708405597261121e-01$ 第3011次迭代 $f(x_{3011}) = 2.150675886325149e-04$, $x_1 = 9.853585324133716e-01$, $x_2 = 9.708480698076754e-01$ 第3012次迭代 $f(x_{3012}) = 2.146920208665998e-04$, $x_1 =$

9.853491751235162e-01, x2 = 9.708917010707072e-01 第3013次迭代 f(x_3013)
=2.143135932106683e-04, x1 = 9.853836773296512e-01, x2 = 9.708987294782624e-01 第3014次
迭代 f(x_3014)=2.139323552242028e-04, x1 = 9.853750631586169e-01, x2 =
9.709431398440095e-01 第3015次迭代 f(x_3015)=2.135534909393946e-04, x1 =
9.854097531241233e-01, x2 = 9.709500294398251e-01 第3016次迭代 f(x_3016)
=2.131755205952660e-04, x1 = 9.854009000596746e-01, x2 = 9.709944884165191e-01 第3017次
迭代 f(x_3017)=2.127961587477298e-04, x1 = 9.854357839744403e-01, x2 =
9.710012361530730e-01 第3018次迭代 f(x_3018)=2.124214058908447e-04, x1 =
9.854269639862400e-01, x2 = 9.710443862347804e-01 第3019次迭代 f(x_3019)
=2.120502670586231e-04, x1 = 9.854616526164576e-01, x2 = 9.710518000612629e-01 第3020次
迭代 f(x_3020)=2.116807568447391e-04, x1 = 9.854522612298366e-01, x2 =
9.710951702326240e-01 第3021次迭代 f(x_3021)=2.113070143133735e-04, x1 =
9.854866214045752e-01, x2 = 9.711020973468416e-01 第3022次迭代 f(x_3022)
=2.109320975695133e-04, x1 = 9.854779514290539e-01, x2 = 9.711462494150535e-01 第3023次
迭代 f(x_3023)=2.105577863958880e-04, x1 = 9.855125163132540e-01, x2 =
9.711530294674181e-01 第3024次迭代 f(x_3024)=2.101862360607287e-04, x1 =
9.855035906921752e-01, x2 = 9.711972391510967e-01 第3025次迭代 f(x_3025)
=2.098112915128604e-04, x1 = 9.855383667334752e-01, x2 = 9.712038689636683e-01 第3026次
迭代 f(x_3026)=2.094428851211986e-04, x1 = 9.855294599088578e-01, x2 =
9.712467862316999e-01 第3027次迭代 f(x_3027)=2.090760961463867e-04, x1 =
9.855640569977218e-01, x2 = 9.712540698137537e-01 第3028次迭代 f(x_3028)
=2.087130130939602e-04, x1 = 9.855550479654455e-01, x2 = 9.712950093999159e-01 第3029次
迭代 f(x_3029)=2.083560104877236e-04, x1 = 9.855893892071740e-01, x2 =
9.713033593980314e-01 第3030次迭代 f(x_3030)=2.079982568859377e-04, x1 =
9.855796218196340e-01, x2 = 9.713446188347646e-01 第3031次迭代 f(x_3031)
=2.076386446319823e-04, x1 = 9.856133536395951e-01, x2 = 9.713522549209389e-01 第3032次
迭代 f(x_3032)=2.072731672496579e-04, x1 = 9.856046415327950e-01, x2 =
9.713948710537671e-01 第3033次迭代 f(x_3033)=2.069111735751316e-04, x1 =
9.856389110081804e-01, x2 = 9.714021912533587e-01 第3034次迭代 f(x_3034)
=2.065510086523256e-04, x1 = 9.856296052181642e-01, x2 = 9.714450395948863e-01 第3035次
迭代 f(x_3035)=2.061862603703601e-04, x1 = 9.856635792158005e-01, x2 =
9.714518644496721e-01 第3036次迭代 f(x_3036)=2.058210512184276e-04, x1 =
9.856549564256091e-01, x2 = 9.714955000415992e-01 第3037次迭代 f(x_3037)
=2.054555317225262e-04, x1 = 9.856891626045200e-01, x2 = 9.715021644976775e-01 第3038次
迭代 f(x_3038)=2.050937666848938e-04, x1 = 9.856805292843257e-01, x2 =
9.715445361306203e-01 第3039次迭代 f(x_3039)=2.047358463706373e-04, x1 =
9.857145867239401e-01, x2 = 9.715518330967549e-01 第3040次迭代 f(x_3040)
=2.043794110370534e-04, x1 = 9.857053512062912e-01, x2 = 9.715944416051923e-01 第3041次
迭代 f(x_3041)=2.040187038374645e-04, x1 = 9.857391270748691e-01, x2 =
9.716012396292928e-01 第3042次迭代 f(x_3042)=2.036573556333682e-04, x1 =
9.857305580621664e-01, x2 = 9.716446377209268e-01 第3043次迭代 f(x_3043)
=2.032957986000226e-04, x1 = 9.857645772945739e-01, x2 = 9.716512699297450e-01 第3044次
迭代 f(x_3044)=2.029379434883757e-04, x1 = 9.857559853985765e-01, x2 =
9.716934171148754e-01 第3045次迭代 f(x_3045)=2.025838217994537e-04, x1 =
9.857898692038971e-01, x2 = 9.717006721167878e-01 第3046次迭代 f(x_3046)
=2.022313236878409e-04, x1 = 9.857806659000881e-01, x2 = 9.717430611932808e-01 第3047次
迭代 f(x_3047)=2.018743518416854e-04, x1 = 9.858142817928727e-01, x2 =
9.717498137639601e-01 第3048次迭代 f(x_3048)=2.015170918336336e-04, x1 =
9.858057290495823e-01, x2 = 9.717929945093060e-01 第3049次迭代 f(x_3049)
=2.011591881636781e-04, x1 = 9.858395997001890e-01, x2 = 9.717995757410247e-01 第3050次

迭代 $f(x_{3050}) = 2.008054326981776e-04$, $x_1 = 9.858310126483951e-01$, $x_2 = 9.718415181233494e-01$ 第3051次迭代 $f(x_{3051}) = 2.004548439391594e-04$, $x_1 = 9.858647604495334e-01$, $x_2 = 9.718487128209685e-01$ 第3052次迭代 $f(x_{3052}) = 2.001064831939083e-04$, $x_1 = 9.858555520429967e-01$, $x_2 = 9.718909024800300e-01$ 第3053次迭代 $f(x_{3053}) = 1.997529503483743e-04$, $x_1 = 9.858890454008793e-01$, $x_2 = 9.718975913354470e-01$ 第3054次迭代 $f(x_{3054}) = 1.993999984107804e-04$, $x_1 = 9.858804720946139e-01$, $x_2 = 9.719405745353112e-01$ 第3055次迭代 $f(x_{3055}) = 1.990454477179257e-04$, $x_1 = 9.859142318674302e-01$, $x_2 = 9.719470863948368e-01$ 第3056次迭代 $f(x_{3056}) = 1.986959760671991e-04$, $x_1 = 9.859056136844129e-01$, $x_2 = 9.719888433025142e-01$ 第3057次迭代 $f(x_{3057}) = 1.983486613147788e-04$, $x_1 = 9.859392625188864e-01$, $x_2 = 9.719959596558434e-01$ 第3058次迭代 $f(x_{3058}) = 1.980046075089087e-04$, $x_1 = 9.859304853240687e-01$, $x_2 = 9.720358211786672e-01$ 第3059次迭代 $f(x_{3059}) = 1.976662227706308e-04$, $x_1 = 9.859639454791302e-01$, $x_2 = 9.720439452373048e-01$ 第3060次迭代 $f(x_{3060}) = 1.973275373168262e-04$, $x_1 = 9.859543711675007e-01$, $x_2 = 9.720841478348331e-01$ 第3061次迭代 $f(x_{3061}) = 1.969863072621192e-04$, $x_1 = 9.859872950748054e-01$, $x_2 = 9.720915478158562e-01$ 第3062次迭代 $f(x_{3062}) = 1.966407361150435e-04$, $x_1 = 9.859786888127142e-01$, $x_2 = 9.721331016751185e-01$ 第3063次迭代 $f(x_{3063}) = 1.962968714108981e-04$, $x_1 = 9.860121979171510e-01$, $x_2 = 9.721401629961903e-01$ 第3064次迭代 $f(x_{3064}) = 1.959566675596155e-04$, $x_1 = 9.860034231581177e-01$, $x_2 = 9.721798366695199e-01$ 第3065次迭代 $f(x_{3065}) = 1.956216417419351e-04$, $x_1 = 9.860367552401831e-01$, $x_2 = 9.721878949982229e-01$ 第3066次迭代 $f(x_{3066}) = 1.952867993796976e-04$, $x_1 = 9.860274934807214e-01$, $x_2 = 9.722265829790123e-01$ 第3067次迭代 $f(x_{3067}) = 1.949553433251868e-04$, $x_1 = 9.860602404106745e-01$, $x_2 = 9.722348949079810e-01$ 第3068次迭代 $f(x_{3068}) = 1.946189428886930e-04$, $x_1 = 9.860512121322934e-01$, $x_2 = 9.722745742253860e-01$ 第3069次迭代 $f(x_{3069}) = 1.942849157407254e-04$, $x_1 = 9.860847187475537e-01$, $x_2 = 9.722824584416019e-01$ 第3070次迭代 $f(x_{3070}) = 1.939536427759897e-04$, $x_1 = 9.860751980033952e-01$, $x_2 = 9.723211591056704e-01$ 第3071次迭代 $f(x_{3071}) = 1.936231912332353e-04$, $x_1 = 9.861081217057965e-01$, $x_2 = 9.723292959299678e-01$ 第3072次迭代 $f(x_{3072}) = 1.932906695438964e-04$, $x_1 = 9.860988234948908e-01$, $x_2 = 9.723689896254747e-01$ 第3073次迭代 $f(x_{3073}) = 1.929575363474000e-04$, $x_1 = 9.861312393169616e-01$, $x_2 = 9.723763983626706e-01$ 第3074次迭代 $f(x_{3074}) = 1.926182156133900e-04$, $x_1 = 9.861228745966901e-01$, $x_2 = 9.724174417162096e-01$ 第3075次迭代 $f(x_{3075}) = 1.922824212135591e-04$, $x_1 = 9.861558879040044e-01$, $x_2 = 9.724245060714399e-01$ 第3076次迭代 $f(x_{3076}) = 1.919485633825401e-04$, $x_1 = 9.861468694571703e-01$, $x_2 = 9.724658144451459e-01$ 第3077次迭代 $f(x_{3077}) = 1.916096583175110e-04$, $x_1 = 9.861796795238184e-01$, $x_2 = 9.724723602894738e-01$ 第3078次迭代 $f(x_{3078}) = 1.912717283485115e-04$, $x_1 = 9.861712355812362e-01$, $x_2 = 9.725144697242638e-01$ 第3079次迭代 $f(x_{3079}) = 1.909315205285072e-04$, $x_1 = 9.862043538719648e-01$, $x_2 = 9.725208183613644e-01$ 第3080次迭代 $f(x_{3080}) = 1.905971684896561e-04$, $x_1 = 9.861958209507677e-01$, $x_2 = 9.725617499464135e-01$ 第3081次迭代 $f(x_{3081}) = 1.902636780042794e-04$, $x_1 = 9.862288765557878e-01$, $x_2 = 9.725686672193183e-01$ 第3082次迭代 $f(x_{3082}) = 1.899345983926072e-04$, $x_1 = 9.862201465002201e-01$, $x_2 = 9.726077639925287e-01$ 第3083次迭代 $f(x_{3083}) = 1.896096221283909e-04$, $x_1 = 9.862530600556311e-01$, $x_2 = 9.726156463266263e-01$ 第3084次迭代 $f(x_{3084}) = 1.892858009290441e-04$, $x_1 = 9.862438184381744e-01$, $x_2 = 9.726537891633321e-01$ 第3085次迭代 $f(x_{3085}) = 1.889641564626217e-04$, $x_1 = 9.862761857709528e-01$, $x_2 = 9.726619060236049e-01$ 第3086次迭代 $f(x_{3086}) = 1.886390996067297e-04$, $x_1 = 9.862671398309102e-01$, $x_2 = 9.727010419593316e-01$ 第3087次迭代 $f(x_{3087}) = 1.883147770188472e-04$, $x_1 =$

9.863002926528907e-01, x2 = 9.727087188351246e-01 第3088次迭代 f(x_3088)
=1.879947014301812e-04, x1 = 9.862907294768156e-01, x2 = 9.727469079074710e-01 第3089次
迭代 f(x_3089) =1.876737281186612e-04, x1 = 9.863233369652112e-01, x2 =
9.727548189998669e-01 第3090次迭代 f(x_3090) =1.873527536295369e-04, x1 =
9.863142697709111e-01, x2 = 9.727926996685797e-01 第3091次迭代 f(x_3091)
=1.870350020611539e-04, x1 = 9.863463473767755e-01, x2 = 9.728008372220438e-01 第3092次
迭代 f(x_3092) =1.867127440037697e-04, x1 = 9.863374655870764e-01, x2 =
9.728397105416592e-01 第3093次迭代 f(x_3093) =1.863923346982162e-04, x1 =
9.863703309299906e-01, x2 = 9.728474072269413e-01 第3094次迭代 f(x_3094)
=1.860751429498106e-04, x1 = 9.863609242662396e-01, x2 = 9.728853438096126e-01 第3095次
迭代 f(x_3095) =1.857579757785998e-04, x1 = 9.863932602189668e-01, x2 =
9.728932668469251e-01 第3096次迭代 f(x_3096) =1.854398784908331e-04, x1 =
9.863840270001959e-01, x2 = 9.729321983659641e-01 第3097次迭代 f(x_3097)
=1.851197798927297e-04, x1 = 9.864159073701343e-01, x2 = 9.729393873054737e-01 第3098次
迭代 f(x_3098) =1.847955669140621e-04, x1 = 9.864075449353581e-01, x2 =
9.729796624781317e-01 第3099次迭代 f(x_3099) =1.844726212800253e-04, x1 =
9.864400582732090e-01, x2 = 9.729864900727726e-01 第3100次迭代 f(x_3100)
=1.841537266690032e-04, x1 = 9.864314692599745e-01, x2 = 9.730249754186994e-01 第3101次
迭代 f(x_3101) =1.838388383190779e-04, x1 = 9.864638758391273e-01, x2 =
9.730327363378463e-01 第3102次迭代 f(x_3102) =1.835251748010744e-04, x1 =
9.864547522576385e-01, x2 = 9.730702982165986e-01 第3103次迭代 f(x_3103)
=1.832133750165131e-04, x1 = 9.864866520323250e-01, x2 = 9.730782743313356e-01 第3104次
迭代 f(x_3104) =1.828986921994895e-04, x1 = 9.864776891063758e-01, x2 =
9.731168301010197e-01 第3105次迭代 f(x_3105) =1.825841478877458e-04, x1 =
9.865103953054803e-01, x2 = 9.731243564059783e-01 第3106次迭代 f(x_3106)
=1.822743823033466e-04, x1 = 9.865008917953754e-01, x2 = 9.731619958847506e-01 第3107次
迭代 f(x_3107) =1.819629530174808e-04, x1 = 9.865330909670117e-01, x2 =
9.731697376375583e-01 第3108次迭代 f(x_3108) =1.816524218995269e-04, x1 =
9.865240467367010e-01, x2 = 9.732070882542174e-01 第3109次迭代 f(x_3109)
=1.813439959499006e-04, x1 = 9.865557527111379e-01, x2 = 9.732150385206358e-01 第3110次
迭代 f(x_3110) =1.810324779703507e-04, x1 = 9.865468583443424e-01, x2 =
9.732533829297532e-01 第3111次迭代 f(x_3111) =1.807213006245887e-04, x1 =
9.865793759153403e-01, x2 = 9.732608810214310e-01 第3112次迭代 f(x_3112)
=1.804147095984369e-04, x1 = 9.865699336010963e-01, x2 = 9.732983190232546e-01 第3113次
迭代 f(x_3113) =1.801065644119651e-04, x1 = 9.866019574325273e-01, x2 =
9.733060260420694e-01 第3114次迭代 f(x_3114) =1.797992576817890e-04, x1 =
9.865929616355028e-01, x2 = 9.733431819565630e-01 第3115次迭代 f(x_3115)
=1.794940382322573e-04, x1 = 9.866245050271972e-01, x2 = 9.733510912370023e-01 第3116次
迭代 f(x_3116) =1.791858033474672e-04, x1 = 9.866156480938469e-01, x2 =
9.733892409791626e-01 第3117次迭代 f(x_3117) =1.788778164991957e-04, x1 =
9.866480092449670e-01, x2 = 9.733966952181522e-01 第3118次迭代 f(x_3118)
=1.785744942945221e-04, x1 = 9.866385970517461e-01, x2 = 9.734339483768679e-01 第3119次
迭代 f(x_3119) =1.782694642257426e-04, x1 = 9.866704769244432e-01, x2 =
9.734416054405772e-01 第3120次迭代 f(x_3120) =1.779654698868095e-04, x1 =
9.866614992911824e-01, x2 = 9.734785828764233e-01 第3121次迭代 f(x_3121)
=1.776632949620731e-04, x1 = 9.866929106894520e-01, x2 = 9.734864363505045e-01 第3122次
迭代 f(x_3122) =1.773584568728581e-04, x1 = 9.866840606764424e-01, x2 =
9.735244078008223e-01 第3123次迭代 f(x_3123) =1.770534859699935e-04, x1 =
9.867150703062608e-01, x2 = 9.735315214478422e-01 第3124次迭代 f(x_3124)
=1.767428738665571e-04, x1 = 9.867070251517072e-01, x2 = 9.735708302437314e-01 第3125次

迭代 $f(x_{3125}) = 1.764349838223172e-04$, $x_1 = 9.867386941664777e-01$, $x_2 = 9.735775702236575e-01$ 第3126次迭代 $f(x_{3126}) = 1.761298435163537e-04$, $x_1 = 9.867303809790666e-01$, $x_2 = 9.736151526850351e-01$ 第3127次迭代 $f(x_{3127}) = 1.758292805402877e-04$, $x_1 = 9.867619927054098e-01$, $x_2 = 9.736227813494199e-01$ 第3128次迭代 $f(x_{3128}) = 1.755293793219621e-04$, $x_1 = 9.867531143956948e-01$, $x_2 = 9.736594824094842e-01$ 第3129次迭代 $f(x_{3129}) = 1.752315656080827e-04$, $x_1 = 9.867842750006547e-01$, $x_2 = 9.736672989758108e-01$ 第3130次迭代 $f(x_{3130}) = 1.749308643567807e-04$, $x_1 = 9.867755104710755e-01$, $x_2 = 9.737049937028874e-01$ 第3131次迭代 $f(x_{3131}) = 1.746302507738199e-04$, $x_1 = 9.868075025663504e-01$, $x_2 = 9.737123488659141e-01$ 第3132次迭代 $f(x_{3132}) = 1.743344314432770e-04$, $x_1 = 9.867981661750680e-01$, $x_2 = 9.737491696354678e-01$ 第3133次迭代 $f(x_{3133}) = 1.740366024884705e-04$, $x_1 = 9.868297057042764e-01$, $x_2 = 9.737567135692211e-01$ 第3134次迭代 $f(x_{3134}) = 1.737402108321134e-04$, $x_1 = 9.868207763036007e-01$, $x_2 = 9.737932732922283e-01$ 第3135次迭代 $f(x_{3135}) = 1.734450754434068e-04$, $x_1 = 9.868518749653086e-01$, $x_2 = 9.738010001422065e-01$ 第3136次迭代 $f(x_{3136}) = 1.731480270247476e-04$, $x_1 = 9.868430474424049e-01$, $x_2 = 9.738385541182284e-01$ 第3137次迭代 $f(x_{3137}) = 1.728499573391541e-04$, $x_1 = 9.868737717704493e-01$, $x_2 = 9.738455386625280e-01$ 第3138次迭代 $f(x_{3138}) = 1.725475039986816e-04$, $x_1 = 9.868657159098264e-01$, $x_2 = 9.738844257476248e-01$ 第3139次迭代 $f(x_{3139}) = 1.722464244406766e-04$, $x_1 = 9.868971181963875e-01$, $x_2 = 9.738910277869929e-01$ 第3140次迭代 $f(x_{3140}) = 1.719492750827521e-04$, $x_1 = 9.868887770137715e-01$, $x_2 = 9.739282198134672e-01$ 第3141次迭代 $f(x_{3141}) = 1.716554057476265e-04$, $x_1 = 9.869201441926613e-01$, $x_2 = 9.739356889277441e-01$ 第3142次迭代 $f(x_{3142}) = 1.713633707631476e-04$, $x_1 = 9.869112216540658e-01$, $x_2 = 9.739720218615049e-01$ 第3143次迭代 $f(x_{3143}) = 1.710721087678279e-04$, $x_1 = 9.869421630545847e-01$, $x_2 = 9.739796665284399e-01$ 第3144次迭代 $f(x_{3144}) = 1.707795394513248e-04$, $x_1 = 9.869333276531093e-01$, $x_2 = 9.740169939112926e-01$ 第3145次迭代 $f(x_{3145}) = 1.704852422166185e-04$, $x_1 = 9.869639101368419e-01$, $x_2 = 9.740238949482242e-01$ 第3146次迭代 $f(x_{3146}) = 1.701874970104362e-04$, $x_1 = 9.869558277787170e-01$, $x_2 = 9.740625529159821e-01$ 第3147次迭代 $f(x_{3147}) = 1.698901078034831e-04$, $x_1 = 9.869863356520494e-01$, $x_2 = 9.740689071329554e-01$ 第3148次迭代 $f(x_{3148}) = 1.695893118412817e-04$, $x_1 = 9.869786698417704e-01$, $x_2 = 9.741083818212743e-01$ 第3149次迭代 $f(x_{3149}) = 1.692900632513661e-04$, $x_1 = 9.870095842415562e-01$, $x_2 = 9.741144917554114e-01$ 第3150次迭代 $f(x_{3150}) = 1.689933707230405e-04$, $x_1 = 9.870017111329099e-01$, $x_2 = 9.741529208394705e-01$ 第3151次迭代 $f(x_{3151}) = 1.686991461230724e-04$, $x_1 = 9.870326906557144e-01$, $x_2 = 9.741595030712671e-01$ 第3152次迭代 $f(x_{3152}) = 1.684078680206813e-04$, $x_1 = 9.870245138817110e-01$, $x_2 = 9.741962656596981e-01$ 第3153次迭代 $f(x_{3153}) = 1.681204852776550e-04$, $x_1 = 9.870554801486641e-01$, $x_2 = 9.742036950205810e-01$ 第3154次迭代 $f(x_{3154}) = 1.678343465953524e-04$, $x_1 = 9.870467095138558e-01$, $x_2 = 9.742396169087452e-01$ 第3155次迭代 $f(x_{3155}) = 1.675494229299744e-04$, $x_1 = 9.870772749079668e-01$, $x_2 = 9.742472096283835e-01$ 第3156次迭代 $f(x_{3156}) = 1.672628021514405e-04$, $x_1 = 9.870685718373042e-01$, $x_2 = 9.742841249989420e-01$ 第3157次迭代 $f(x_{3157}) = 1.669748672276374e-04$, $x_1 = 9.870988009881552e-01$, $x_2 = 9.742909723104761e-01$ 第3158次迭代 $f(x_{3158}) = 1.666832492972286e-04$, $x_1 = 9.870908229842548e-01$, $x_2 = 9.743292145406224e-01$ 第3159次迭代 $f(x_{3159}) = 1.663921957621038e-04$, $x_1 = 9.871209974941133e-01$, $x_2 = 9.743355110700843e-01$ 第3160次迭代 $f(x_{3160}) = 1.660977078476853e-04$, $x_1 = 9.871134115549347e-01$, $x_2 = 9.743745716784852e-01$ 第3161次迭代 $f(x_{3161}) = 1.658047114435948e-04$, $x_1 = 9.871440081708170e-01$, $x_2 = 9.743806164936977e-01$ 第3162次迭代 $f(x_{3162}) = 1.655143564830224e-04$, $x_1 =$

9.871361974542393e-01, x2 = 9.744186524007150e-01 第3163次迭代 f(x_3163)
=1.652261728080540e-04, x1 = 9.871668785438773e-01, x2 = 9.744251544505783e-01 第3164次
迭代 f(x_3164)=1.649411819989496e-04, x1 = 9.871587488152006e-01, x2 =
9.744615506969266e-01 第3165次迭代 f(x_3165)=1.646596484092330e-04, x1 =
9.871894358929515e-01, x2 = 9.744688813488775e-01 第3166次迭代 f(x_3166)
=1.643797394441027e-04, x1 = 9.871806996246076e-01, x2 = 9.745044552410915e-01 第3167次
迭代 f(x_3167)=1.641005403166784e-04, x1 = 9.872110079744364e-01, x2 =
9.745119384535049e-01 第3168次迭代 f(x_3168)=1.638203018477680e-04, x1 =
9.872023184356632e-01, x2 = 9.745485056123336e-01 第3169次迭代 f(x_3169)
=1.635379787160340e-04, x1 = 9.872323127757903e-01, x2 = 9.74552417601674e-01 第3170次
迭代 f(x_3170)=1.632530441779399e-04, x1 = 9.872243212338975e-01, x2 =
9.745931317830026e-01 第3171次迭代 f(x_3171)=1.629674775193726e-04, x1 =
9.872542813001989e-01, x2 = 9.745993129229782e-01 第3172次迭代 f(x_3172)
=1.626799225089963e-04, x1 = 9.872466578501582e-01, x2 = 9.746380228348501e-01 第3173次
迭代 f(x_3173)=1.623923049568799e-04, x1 = 9.872770574588537e-01, x2 =
9.746439438891016e-01 第3174次迭代 f(x_3174)=1.621088214363535e-04, x1 =
9.872691934856447e-01, x2 = 9.746816489916003e-01 第3175次迭代 f(x_3175)
=1.618258876987891e-04, x1 = 9.872989509692373e-01, x2 = 9.746878574458855e-01 第3176次
迭代 f(x_3176)=1.615397795482656e-04, x1 = 9.872914473582483e-01, x2 =
9.747263827870021e-01 第3177次迭代 f(x_3177)=1.612547942892442e-04, x1 =
9.873216473674391e-01, x2 = 9.747323297947622e-01 第3178次迭代 f(x_3178)
=1.609728354725927e-04, x1 = 9.873138967261538e-01, x2 = 9.747698576195702e-01 第3179次
迭代 f(x_3179)=1.606924121820383e-04, x1 = 9.873442060692389e-01, x2 =
9.747762423226348e-01 第3180次迭代 f(x_3180)=1.604157207748913e-04, x1 =
9.873361170773223e-01, x2 = 9.748121654593666e-01 第3181次迭代 f(x_3181)
=1.601417304430166e-04, x1 = 9.873664569833536e-01, x2 = 9.748193547220632e-01 第3182次
迭代 f(x_3182)=1.598700295971837e-04, x1 = 9.873577450033209e-01, x2 =
9.748544795846347e-01 第3183次迭代 f(x_3183)=1.595982168163966e-04, x1 =
9.873877346339531e-01, x2 = 9.748618075525436e-01 第3184次迭代 f(x_3184)
=1.593263109000971e-04, x1 = 9.873793311231306e-01, x2 = 9.748967237269663e-01 第3185次
迭代 f(x_3185)=1.590566173729157e-04, x1 = 9.874089786968684e-01, x2 =
9.749041863070020e-01 第3186次迭代 f(x_3186)=1.587843479894315e-04, x1 =
9.874005967681261e-01, x2 = 9.749400925437846e-01 第3187次迭代 f(x_3187)
=1.585117094286944e-04, x1 = 9.874299617312464e-01, x2 = 9.749468063781495e-01 第3188次
迭代 f(x_3188)=1.582348626732873e-04, x1 = 9.874222382597383e-01, x2 =
9.749840292833885e-01 第3189次迭代 f(x_3189)=1.579590563039573e-04, x1 =
9.874515956868816e-01, x2 = 9.749901835827308e-01 第3190次迭代 f(x_3190)
=1.576797592543940e-04, x1 = 9.874442060967786e-01, x2 = 9.750282279601149e-01 第3191次
迭代 f(x_3191)=1.574018264649936e-04, x1 = 9.874740220430692e-01, x2 =
9.750341132359372e-01 第3192次迭代 f(x_3192)=1.571267200713623e-04, x1 =
9.874663664826960e-01, x2 = 9.750711833344788e-01 第3193次迭代 f(x_3193)
=1.568531045410314e-04, x1 = 9.874963127120567e-01, x2 = 9.750774897389688e-01 第3194次
迭代 f(x_3194)=1.565832357645049e-04, x1 = 9.874883019359142e-01, x2 =
9.751129852803355e-01 第3195次迭代 f(x_3195)=1.563158134073729e-04, x1 =
9.875182999311227e-01, x2 = 9.751200755640967e-01 第3196次迭代 f(x_3196)
=1.560508845218034e-04, x1 = 9.875096528604801e-01, x2 = 9.751547930754988e-01 第3197次
迭代 f(x_3197)=1.557855037664652e-04, x1 = 9.875393252543204e-01, x2 =
9.751620100474740e-01 第3198次迭代 f(x_3198)=1.555204467340231e-04, x1 =
9.875309628902554e-01, x2 = 9.751965315649631e-01 第3199次迭代 f(x_3199)
=1.552570558846120e-04, x1 = 9.875603171458627e-01, x2 = 9.752038715141117e-01 第3200次

迭代 $f(x_{3200}) = 1.549917953040658e-04$, $x_1 = 9.875519539637045e-01$, $x_2 = 9.752393822543501e-01$ 第3201次迭代 $f(x_{3201}) = 1.547253457376406e-04$, $x_1 = 9.875810496961890e-01$, $x_2 = 9.752459721260380e-01$ 第3202次迭代 $f(x_{3202}) = 1.544558284959213e-04$, $x_1 = 9.875733154046321e-01$, $x_2 = 9.752827944759045e-01$ 第3203次迭代 $f(x_{3203}) = 1.541860852549277e-04$, $x_1 = 9.876024256161637e-01$, $x_2 = 9.752888205550264e-01$ 第3204次迭代 $f(x_{3204}) = 1.539143820312528e-04$, $x_1 = 9.875949990611192e-01$, $x_2 = 9.753264655871644e-01$ 第3205次迭代 $f(x_{3205}) = 1.536424027647409e-04$, $x_1 = 9.876245864908757e-01$, $x_2 = 9.753322136962923e-01$ 第3206次迭代 $f(x_{3206}) = 1.533748209228258e-04$, $x_1 = 9.876168769423338e-01$, $x_2 = 9.753689065417696e-01$ 第3207次迭代 $f(x_{3207}) = 1.531069768898691e-04$, $x_1 = 9.876458883258163e-01$, $x_2 = 9.753749096028772e-01$ 第3208次迭代 $f(x_{3208}) = 1.528372655426044e-04$, $x_1 = 9.876384791566112e-01$, $x_2 = 9.754124253893690e-01$ 第3209次迭代 $f(x_{3209}) = 1.525671625559621e-04$, $x_1 = 9.876679724328895e-01$, $x_2 = 9.754181482632576e-01$ 第3210次迭代 $f(x_{3210}) = 1.523015722591923e-04$, $x_1 = 9.876602752078740e-01$, $x_2 = 9.754547183083067e-01$ 第3211次迭代 $f(x_{3211}) = 1.520355410934623e-04$, $x_1 = 9.876892003168637e-01$, $x_2 = 9.754606922720148e-01$ 第3212次迭代 $f(x_{3212}) = 1.517678852771086e-04$, $x_1 = 9.876817961246510e-01$, $x_2 = 9.754980855236061e-01$ 第3213次迭代 $f(x_{3213}) = 1.514995692049518e-04$, $x_1 = 9.877112080401509e-01$, $x_2 = 9.755037769618417e-01$ 第3214次迭代 $f(x_{3214}) = 1.512360253069159e-04$, $x_1 = 9.877035108707483e-01$, $x_2 = 9.755402308313621e-01$ 第3215次迭代 $f(x_{3215}) = 1.509717222967554e-04$, $x_1 = 9.877323621119919e-01$, $x_2 = 9.755461696922680e-01$ 第3216次迭代 $f(x_{3216}) = 1.507061843493420e-04$, $x_1 = 9.877249506287299e-01$, $x_2 = 9.755834470460408e-01$ 第3217次迭代 $f(x_{3217}) = 1.504395673893897e-04$, $x_1 = 9.877542938372308e-01$, $x_2 = 9.755891009182208e-01$ 第3218次迭代 $f(x_{3218}) = 1.501781237149081e-04$, $x_1 = 9.877465845841712e-01$, $x_2 = 9.756254451696612e-01$ 第3219次迭代 $f(x_{3219}) = 1.499154655013311e-04$, $x_1 = 9.877753742402156e-01$, $x_2 = 9.756313429849093e-01$ 第3220次迭代 $f(x_{3220}) = 1.496521067344473e-04$, $x_1 = 9.877679433158725e-01$, $x_2 = 9.756685110158214e-01$ 第3221次迭代 $f(x_{3221}) = 1.493871023618677e-04$, $x_1 = 9.877972303551544e-01$, $x_2 = 9.756741212499616e-01$ 第3222次迭代 $f(x_{3222}) = 1.491278119616115e-04$, $x_1 = 9.877894969853998e-01$, $x_2 = 9.757103623846640e-01$ 第3223次迭代 $f(x_{3223}) = 1.488667162710598e-04$, $x_1 = 9.878182372366993e-01$, $x_2 = 9.757162132627641e-01$ 第3224次迭代 $f(x_{3224}) = 1.486055972512911e-04$, $x_1 = 9.878107748169486e-01$, $x_2 = 9.757532784949400e-01$ 第3225次迭代 $f(x_{3225}) = 1.483421199418914e-04$, $x_1 = 9.878400181312300e-01$, $x_2 = 9.757588390661279e-01$ 第3226次迭代 $f(x_{3226}) = 1.480850353401314e-04$, $x_1 = 9.878322486960187e-01$, $x_2 = 9.757949835404401e-01$ 第3227次迭代 $f(x_{3227}) = 1.478254207248400e-04$, $x_1 = 9.878609516426051e-01$, $x_2 = 9.758007816303118e-01$ 第3228次迭代 $f(x_{3228}) = 1.475665605594853e-04$, $x_1 = 9.878536752130233e-01$, $x_2 = 9.758366203548549e-01$ 第3229次迭代 $f(x_{3229}) = 1.473105713124201e-04$, $x_1 = 9.878825591643132e-01$, $x_2 = 9.758427987736519e-01$ 第3230次迭代 $f(x_{3230}) = 1.470570225523716e-04$, $x_1 = 9.878748850085208e-01$, $x_2 = 9.758771392586618e-01$ 第3231次迭代 $f(x_{3231}) = 1.468064703330497e-04$, $x_1 = 9.879038737457929e-01$, $x_2 = 9.758840494794484e-01$ 第3232次迭代 $f(x_{3232}) = 1.465578094208020e-04$, $x_1 = 9.878955331960712e-01$, $x_2 = 9.759176614534151e-01$ 第3233次迭代 $f(x_{3233}) = 1.463089598102534e-04$, $x_1 = 9.879242587255911e-01$, $x_2 = 9.759246679935152e-01$ 第3234次迭代 $f(x_{3234}) = 1.460603666716136e-04$, $x_1 = 9.879161426810413e-01$, $x_2 = 9.759581161197306e-01$ 第3235次迭代 $f(x_{3235}) = 1.458131826860891e-04$, $x_1 = 9.879446107520158e-01$, $x_2 = 9.759652161345186e-01$ 第3236次迭代 $f(x_{3236}) = 1.455646452029941e-04$, $x_1 = 9.879364418284731e-01$, $x_2 = 9.759996489126846e-01$ 第3237次迭代 $f(x_{3237}) = 1.453143038842505e-04$, $x_1 =$

9.879647099398324e-01, x2 = 9.760059967856540e-01 第3238次迭代 f(x_3238)
=1.450621324161858e-04, x1 = 9.879570969509657e-01, x2 = 9.760417272536633e-01 第3239次
迭代 f(x_3239) =1.448083296273971e-04, x1 = 9.879854319631216e-01, x2 =
9.760475022867602e-01 第3240次迭代 f(x_3240) =1.445545163538000e-04, x1 =
9.879780626838124e-01, x2 = 9.760840573092209e-01 第3241次迭代 f(x_3241)
=1.442982614567430e-04, x1 = 9.880069172223587e-01, x2 = 9.760895342774365e-01 第3242次
迭代 f(x_3242) =1.440484949919294e-04, x1 = 9.879992221045456e-01, x2 =
9.761251929932865e-01 第3243次迭代 f(x_3243) =1.437958624073407e-04, x1 =
9.880275664724740e-01, x2 = 9.761308926868881e-01 第3244次迭代 f(x_3244)
=1.435444814634280e-04, x1 = 9.880203355581643e-01, x2 = 9.761662610535162e-01 第3245次
迭代 f(x_3245) =1.432952863539861e-04, x1 = 9.880488814998041e-01, x2 =
9.761723241622735e-01 第3246次迭代 f(x_3246) =1.430491031443902e-04, x1 =
9.880412373188467e-01, x2 = 9.762062257287043e-01 第3247次迭代 f(x_3247)
=1.428051819934394e-04, x1 = 9.880699085486957e-01, x2 = 9.762129994068882e-01 第3248次
迭代 f(x_3248) =1.425637904605802e-04, x1 = 9.880615846457967e-01, x2 =
9.762461939525109e-01 第3249次迭代 f(x_3249) =1.423214467958681e-04, x1 =
9.880900171218545e-01, x2 = 9.762530520994476e-01 第3250次迭代 f(x_3250)
=1.420801907974007e-04, x1 = 9.880818941314398e-01, x2 = 9.762860954527092e-01 第3251次
迭代 f(x_3251) =1.418393924890354e-04, x1 = 9.881100930044183e-01, x2 =
9.762930355261086e-01 第3252次迭代 f(x_3252) =1.415982960848943e-04, x1 =
9.881021659074316e-01, x2 = 9.763259303133895e-01 第3253次迭代 f(x_3253)
=1.413590121354079e-04, x1 = 9.881301362087317e-01, x2 = 9.763329498312671e-01 第3254次
迭代 f(x_3254) =1.411180243131448e-04, x1 = 9.881221338661508e-01, x2 =
9.763668256650905e-01 第3255次迭代 f(x_3255) =1.408756280765854e-04, x1 =
9.881499308189592e-01, x2 = 9.763730928849483e-01 第3256次迭代 f(x_3256)
=1.406312117330609e-04, x1 = 9.881424506372970e-01, x2 = 9.764082589572014e-01 第3257次
迭代 f(x_3257) =1.403853492518629e-04, x1 = 9.881703376841574e-01, x2 =
9.764139500396150e-01 第3258次迭代 f(x_3258) =1.401394880849129e-04, x1 =
9.881630718770400e-01, x2 = 9.764499407712630e-01 第3259次迭代 f(x_3259)
=1.398911036110280e-04, x1 = 9.881914958922370e-01, x2 = 9.764553255982129e-01 第3260次
迭代 f(x_3260) =1.396492977267535e-04, x1 = 9.881838841420677e-01, x2 =
9.764904466944561e-01 第3261次迭代 f(x_3261) =1.394042797092343e-04, x1 =
9.882118307042699e-01, x2 = 9.764960382343358e-01 第3262次迭代 f(x_3262)
=1.391610308433709e-04, x1 = 9.882046519234551e-01, x2 = 9.765308856939093e-01 第3263次
迭代 f(x_3263) =1.389192399226199e-04, x1 = 9.882321342919180e-01, x2 =
9.765366773037955e-01 第3264次迭代 f(x_3264) =1.386744337973057e-04, x1 =
9.882251624118320e-01, x2 = 9.765723482759823e-01 第3265次迭代 f(x_3265)
=1.384301812955956e-04, x1 = 9.882531802558608e-01, x2 = 9.765778345884143e-01 第3266次
迭代 f(x_3266) =1.381895934341425e-04, x1 = 9.882458550222128e-01, x2 =
9.766126451970901e-01 第3267次迭代 f(x_3267) =1.379485568179680e-04, x1 =
9.882734120286807e-01, x2 = 9.766183300012887e-01 第3268次迭代 f(x_3268)
=1.377065737950278e-04, x1 = 9.882662858767586e-01, x2 = 9.766539647907664e-01 第3269次
迭代 f(x_3269) =1.374630059377251e-04, x1 = 9.882943869498040e-01, x2 =
9.766593400993537e-01 第3270次迭代 f(x_3270) =1.372251312666177e-04, x1 =
9.882869037252634e-01, x2 = 9.766941200808591e-01 第3271次迭代 f(x_3271)
=1.369847707260313e-04, x1 = 9.883145470926310e-01, x2 = 9.766996924160312e-01 第3272次
迭代 f(x_3272) =1.367455649713066e-04, x1 = 9.883074779222822e-01, x2 =
9.767342088343545e-01 第3273次迭代 f(x_3273) =1.365082737652632e-04, x1 =
9.883353568088458e-01, x2 = 9.767401162112264e-01 第3274次迭代 f(x_3274)
=1.362741617966872e-04, x1 = 9.883278477885815e-01, x2 = 9.767732198673180e-01 第3275次

迭代 $f(x_{3275}) = 1.360417732952504e-04$, $x_1 = 9.883558867823760e-01$, $x_2 = 9.767798015047432e-01$ 第3276次迭代 $f(x_{3276}) = 1.358123344402910e-04$, $x_1 = 9.883476773209093e-01$, $x_2 = 9.768122340111690e-01$ 第3277次迭代 $f(x_{3277}) = 1.355813110624124e-04$, $x_1 = 9.883755195141015e-01$, $x_2 = 9.768188797976202e-01$ 第3278次迭代 $f(x_{3278}) = 1.353521250598054e-04$, $x_1 = 9.883674704267043e-01$, $x_2 = 9.768511828497008e-01$ 第3279次迭代 $f(x_{3279}) = 1.351224420039735e-04$, $x_1 = 9.883951200539869e-01$, $x_2 = 9.768578907053909e-01$ 第3280次迭代 $f(x_{3280}) = 1.348935265838700e-04$, $x_1 = 9.883872272184389e-01$, $x_2 = 9.768900664728062e-01$ 第3281次迭代 $f(x_{3281}) = 1.346651598377186e-04$, $x_1 = 9.884146884253044e-01$, $x_2 = 9.768968343630036e-01$ 第3282次迭代 $f(x_{3282}) = 1.344365320274022e-04$, $x_1 = 9.884069478069943e-01$, $x_2 = 9.769288849709169e-01$ 第3283次迭代 $f(x_{3283}) = 1.342094583356399e-04$, $x_1 = 9.884342246522764e-01$, $x_2 = 9.769357109046582e-01$ 第3284次迭代 $f(x_{3284}) = 1.339811214698358e-04$, $x_1 = 9.884263710118634e-01$, $x_2 = 9.769687372171318e-01$ 第3285次迭代 $f(x_{3285}) = 1.337508774805100e-04$, $x_1 = 9.884535175091979e-01$, $x_2 = 9.769748109049891e-01$ 第3286次迭代 $f(x_{3286}) = 1.335195633599687e-04$, $x_1 = 9.884461317059385e-01$, $x_2 = 9.770091147305215e-01$ 第3287次迭代 $f(x_{3287}) = 1.332857507759836e-04$, $x_1 = 9.884734066199146e-01$, $x_2 = 9.770146067215634e-01$ 第3288次迭代 $f(x_{3288}) = 1.330532487276251e-04$, $x_1 = 9.884664083715482e-01$, $x_2 = 9.770486611670495e-01$ 第3289次迭代 $f(x_{3289}) = 1.328223168642178e-04$, $x_1 = 9.884932646243125e-01$, $x_2 = 9.770543309679198e-01$ 第3290次迭代 $f(x_{3290}) = 1.325885172573231e-04$, $x_1 = 9.884864340538314e-01$, $x_2 = 9.770892079595083e-01$ 第3291次迭代 $f(x_{3291}) = 1.323550441289600e-04$, $x_1 = 9.885138483802224e-01$, $x_2 = 9.770945619276267e-01$ 第3292次迭代 $f(x_{3292}) = 1.321254512049003e-04$, $x_1 = 9.885066381647136e-01$, $x_2 = 9.771286151372688e-01$ 第3293次迭代 $f(x_{3293}) = 1.318948629675214e-04$, $x_1 = 9.885336357242818e-01$, $x_2 = 9.771341460741166e-01$ 第3294次迭代 $f(x_{3294}) = 1.316641648050845e-04$, $x_1 = 9.885268003259770e-01$, $x_2 = 9.771679566395656e-01$ 第3295次迭代 $f(x_{3295}) = 1.314363060497018e-04$, $x_1 = 9.885540575636621e-01$, $x_2 = 9.771738018510460e-01$ 第3296次迭代 $f(x_{3296}) = 1.312107354444089e-04$, $x_1 = 9.885467621093708e-01$, $x_2 = 9.772062408484637e-01$ 第3297次迭代 $f(x_{3297}) = 1.309873803667938e-04$, $x_1 = 9.885742055201321e-01$, $x_2 = 9.772127328712715e-01$ 第3298次迭代 $f(x_{3298}) = 1.307664491788083e-04$, $x_1 = 9.885661966711958e-01$, $x_2 = 9.772445266480434e-01$ 第3299次迭代 $f(x_{3299}) = 1.305442999359192e-04$, $x_1 = 9.885934751636165e-01$, $x_2 = 9.772510673871307e-01$ 第3300次迭代 $f(x_{3300}) = 1.303237114407221e-04$, $x_1 = 9.885855958310560e-01$, $x_2 = 9.772827482509275e-01$ 第3301次迭代 $f(x_{3301}) = 1.301027479894465e-04$, $x_1 = 9.88612713033235e-01$, $x_2 = 9.772893359325450e-01$ 第3302次迭代 $f(x_{3302}) = 1.298825158080053e-04$, $x_1 = 9.886049596887432e-01$, $x_2 = 9.773209057504486e-01$ 第3303次迭代 $f(x_{3303}) = 1.296627186845219e-04$, $x_1 = 9.886319191594747e-01$, $x_2 = 9.773275386359640e-01$ 第3304次迭代 $f(x_{3304}) = 1.294428559245414e-04$, $x_1 = 9.886242883427835e-01$, $x_2 = 9.773589992403178e-01$ 第3305次迭代 $f(x_{3305}) = 1.292242062215787e-04$, $x_1 = 9.886510935730116e-01$, $x_2 = 9.773656756252113e-01$ 第3306次迭代 $f(x_{3306}) = 1.290047254981966e-04$, $x_1 = 9.886435818904684e-01$, $x_2 = 9.773970288146089e-01$ 第3307次迭代 $f(x_{3307}) = 1.287872048432517e-04$, $x_1 = 9.886702363055732e-01$, $x_2 = 9.774037470274948e-01$ 第3308次迭代 $f(x_{3308}) = 1.285680712436541e-04$, $x_1 = 9.886625858996377e-01$, $x_2 = 9.774360699481159e-01$ 第3309次迭代 $f(x_{3309}) = 1.283474440959721e-04$, $x_1 = 9.886891410528499e-01$, $x_2 = 9.774420371112336e-01$ 第3310次迭代 $f(x_{3310}) = 1.281255702640743e-04$, $x_1 = 9.886819183781693e-01$, $x_2 = 9.774756266305822e-01$ 第3311次迭代 $f(x_{3311}) = 1.279013862005289e-04$, $x_1 = 9.887086288293908e-01$, $x_2 = 9.774810092288446e-01$ 第3312次迭代 $f(x_{3312}) = 1.276785293369813e-04$, $x_1 =$

9.887017551389384e-01, x2 = 9.775143700232622e-01 第3313次迭代 f(x_3313)
=1.274569425000786e-04, x1 = 9.887280856775040e-01, x2 = 9.775199115322105e-01 第3314次
迭代 f(x_3314)=1.272330312656066e-04, x1 = 9.887213453484859e-01, x2 =
9.775540935215319e-01 第3315次迭代 f(x_3315)=1.270088318435504e-04, x1 =
9.887482540924721e-01, x2 = 9.775593098238916e-01 第3316次迭代 f(x_3316)
=1.267890874759791e-04, x1 = 9.887411117415692e-01, x2 = 9.775927002688362e-01 第3317次
迭代 f(x_3317)=1.265674999139494e-04, x1 = 9.887676414142739e-01, x2 =
9.775980751712281e-01 第3318次迭代 f(x_3318)=1.263468295207565e-04, x1 =
9.887608378290020e-01, x2 = 9.776312423454048e-01 第3319次迭代 f(x_3319)
=1.261277626843773e-04, x1 = 9.887869978537315e-01, x2 = 9.776367711437709e-01 第3320次
迭代 f(x_3320)=1.259060697103222e-04, x1 = 9.887803196825583e-01, x2 =
9.776707588388688e-01 第3321次迭代 f(x_3321)=1.256843875097746e-04, x1 =
9.888070615481709e-01, x2 = 9.776759607933796e-01 第3322次迭代 f(x_3322)
=1.254668722435502e-04, x1 = 9.887999759287450e-01, x2 = 9.777091649363620e-01 第3323次
迭代 f(x_3323)=1.252477274790715e-04, x1 = 9.888263487588630e-01, x2 =
9.777145205914205e-01 第3324次迭代 f(x_3324)=1.250293372305474e-04, x1 =
9.888195922797817e-01, x2 = 9.777475066158618e-01 第3325次迭代 f(x_3325)
=1.248126430853311e-04, x1 = 9.888456051412106e-01, x2 = 9.777530114474972e-01 第3326次
迭代 f(x_3326)=1.245932765686901e-04, x1 = 9.888389659917756e-01, x2 =
9.777868174127621e-01 第3327次迭代 f(x_3327)=1.243739573609617e-04, x1 =
9.888655649315451e-01, x2 = 9.777919934588255e-01 第3328次迭代 f(x_3328)
=1.241587659939748e-04, x1 = 9.888585130153977e-01, x2 = 9.778250237805590e-01 第3329次
迭代 f(x_3329)=1.239419160453173e-04, x1 = 9.888847523867722e-01, x2 =
9.778303489145433e-01 第3330次迭代 f(x_3330)=1.237258952686254e-04, x1 =
9.888780205395957e-01, x2 = 9.778631659879830e-01 第3331次迭代 f(x_3331)
=1.235114317099601e-04, x1 = 9.889039090749537e-01, x2 = 9.778686358548312e-01 第3332次
迭代 f(x_3332)=1.232944952035570e-04, x1 = 9.888972863134049e-01, x2 =
9.779022723940640e-01 第3333次迭代 f(x_3333)=1.230773899628872e-04, x1 =
9.889237657790776e-01, x2 = 9.779074112229056e-01 第3334次迭代 f(x_3334)
=1.228646134268680e-04, x1 = 9.889167250121789e-01, x2 = 9.779402799578714e-01 第3335次
迭代 f(x_3335)=1.226499150190210e-04, x1 = 9.889428538454376e-01, x2 =
9.779455635298502e-01 第3336次迭代 f(x_3336)=1.224363496143896e-04, x1 =
9.889361245934188e-01, x2 = 9.779782236233440e-01 第3337次迭代 f(x_3337)
=1.222239787822624e-04, x1 = 9.889619112127859e-01, x2 = 9.779836477419047e-01 第3338次
迭代 f(x_3338)=1.220095722219013e-04, x1 = 9.889552826203291e-01, x2 =
9.780171269424244e-01 第3339次迭代 f(x_3339)=1.217945361207060e-04, x1 =
9.889816656507529e-01, x2 = 9.780222174526864e-01 第3340次迭代 f(x_3340)
=1.215842623947708e-04, x1 = 9.889746138669842e-01, x2 = 9.780549366327614e-01 第3341次
迭代 f(x_3341)=1.213715760075416e-04, x1 = 9.890006547048331e-01, x2 =
9.780601677915188e-01 第3342次迭代 f(x_3342)=1.211605493150349e-04, x1 =
9.889939063650209e-01, x2 = 9.780926826907977e-01 第3343次迭代 f(x_3343)
=1.209501366912223e-04, x1 = 9.890196131341538e-01, x2 = 9.780980504502839e-01 第3344次
迭代 f(x_3344)=1.207383573661657e-04, x1 = 9.890129568231397e-01, x2 =
9.781313842253641e-01 第3345次迭代 f(x_3345)=1.205252488273302e-04, x1 =
9.890392661288951e-01, x2 = 9.781364154803536e-01 第3346次迭代 f(x_3346)
=1.203175638041135e-04, x1 = 9.890321814668995e-01, x2 = 9.781689969768576e-01 第3347次
迭代 f(x_3347)=1.201067527713278e-04, x1 = 9.890581565564006e-01, x2 =
9.781741650193347e-01 第3348次迭代 f(x_3348)=1.198983463954130e-04, x1 =
9.890513677187733e-01, x2 = 9.782065463656938e-01 第3349次迭代 f(x_3349)
=1.196897599462964e-04, x1 = 9.890770164391407e-01, x2 = 9.782118472876085e-01 第3350次

迭代 $f(x_{3350}) = 1.194806946875939e-04$, $x_1 = 9.890705157738353e-01$, $x_2 = 9.782440324415507e-01$ 第3351次迭代 $f(x_{3351}) = 1.192742339463121e-04$, $x_1 = 9.890964797659607e-01$, $x_2 = 9.782495983575619e-01$ 第3352次迭代 $f(x_{3352}) = 1.190700903587299e-04$, $x_1 = 9.890894761855872e-01$, $x_2 = 9.782805103525607e-01$ 第3353次迭代 $f(x_{3353}) = 1.188674837468841e-04$, $x_1 = 9.891156846476301e-01$, $x_2 = 9.782866582635437e-01$ 第3354次迭代 $f(x_{3354}) = 1.186677511400399e-04$, $x_1 = 9.891079361605216e-01$, $x_2 = 9.783169889714026e-01$ 第3355次迭代 $f(x_{3355}) = 1.184660081214779e-04$, $x_1 = 9.891340524436008e-01$, $x_2 = 9.783231505471953e-01$ 第3356次迭代 $f(x_{3356}) = 1.182668018373231e-04$, $x_1 = 9.891263630049444e-01$, $x_2 = 9.783534062695067e-01$ 第3357次迭代 $f(x_{3357}) = 1.180659101449822e-04$, $x_1 = 9.891523896865740e-01$, $x_2 = 9.783595802657783e-01$ 第3358次迭代 $f(x_{3358}) = 1.178672372410152e-04$, $x_1 = 9.891447567943077e-01$, $x_2 = 9.783897623451524e-01$ 第3359次迭代 $f(x_{3359}) = 1.176671848485851e-04$, $x_1 = 9.891706964189512e-01$, $x_2 = 9.783959475342151e-01$ 第3360次迭代 $f(x_{3360}) = 1.174690521784000e-04$, $x_1 = 9.891631176033165e-01$, $x_2 = 9.784260572967479e-01$ 第3361次迭代 $f(x_{3361}) = 1.172698272906965e-04$, $x_1 = 9.891889726834920e-01$, $x_2 = 9.784322524669979e-01$ 第3362次迭代 $f(x_{3362}) = 1.170722415128781e-04$, $x_1 = 9.891814455059422e-01$, $x_2 = 9.784622912228236e-01$ 第3363次迭代 $f(x_{3363}) = 1.168738325565359e-04$, $x_1 = 9.892072185233053e-01$, $x_2 = 9.784684951781937e-01$ 第3364次迭代 $f(x_{3364}) = 1.166768001432663e-04$, $x_1 = 9.891997405754355e-01$, $x_2 = 9.784984642220258e-01$ 第3365次迭代 $f(x_{3365}) = 1.164791957577324e-04$, $x_1 = 9.892254339818389e-01$, $x_2 = 9.785046757814494e-01$ 第3366次迭代 $f(x_{3366}) = 1.162827230031230e-04$, $x_1 = 9.892180028843395e-01$, $x_2 = 9.785345763931109e-01$ 第3367次迭代 $f(x_{3367}) = 1.160859120319493e-04$, $x_1 = 9.892436191028722e-01$, $x_2 = 9.785407943899973e-01$ 第3368次迭代 $f(x_{3368}) = 1.158900050600993e-04$, $x_1 = 9.892362325045024e-01$, $x_2 = 9.785706278349394e-01$ 第3369次迭代 $f(x_{3369}) = 1.156939765425168e-04$, $x_1 = 9.892617739305062e-01$, $x_2 = 9.785768511166592e-01$ 第3370次迭代 $f(x_{3370}) = 1.154986413153412e-04$, $x_1 = 9.892544295070885e-01$, $x_2 = 9.786066186464701e-01$ 第3371次迭代 $f(x_{3371}) = 1.153033844780934e-04$, $x_1 = 9.892798985091565e-01$, $x_2 = 9.786128460738508e-01$ 第3372次迭代 $f(x_{3372}) = 1.151086268028808e-04$, $x_1 = 9.892725939625903e-01$, $x_2 = 9.786425489267555e-01$ 第3373次迭代 $f(x_{3373}) = 1.149141310523151e-04$, $x_1 = 9.892979928835450e-01$, $x_2 = 9.786487793735873e-01$ 第3374次迭代 $f(x_{3374}) = 1.147199565890776e-04$, $x_1 = 9.892907259408397e-01$, $x_2 = 9.786784187749354e-01$ 第3375次迭代 $f(x_{3375}) = 1.145262115034803e-04$, $x_1 = 9.893160570986916e-01$, $x_2 = 9.786846511274866e-01$ 第3376次迭代 $f(x_{3376}) = 1.143326257720799e-04$, $x_1 = 9.893088255110186e-01$, $x_2 = 9.787142282902331e-01$ 第3377次迭代 $f(x_{3377}) = 1.141396210942436e-04$, $x_1 = 9.893340911999083e-01$, $x_2 = 9.787204614467739e-01$ 第3378次迭代 $f(x_{3378}) = 1.139466294813154e-04$, $x_1 = 9.893268927416685e-01$, $x_2 = 9.787499775719505e-01$ 第3379次迭代 $f(x_{3379}) = 1.137543551113177e-04$, $x_1 = 9.893520952327912e-01$, $x_2 = 9.787562104422858e-01$ 第3380次迭代 $f(x_{3380}) = 1.135619628769849e-04$, $x_1 = 9.893449277007015e-01$, $x_2 = 9.787856667194624e-01$ 第3381次迭代 $f(x_{3381}) = 1.133704088651846e-04$, $x_1 = 9.893700692432138e-01$, $x_2 = 9.787918982244738e-01$ 第3382次迭代 $f(x_{3382}) = 1.131786211496062e-04$, $x_1 = 9.893629304554084e-01$, $x_2 = 9.788212958322139e-01$ 第3383次迭代 $f(x_{3383}) = 1.129877776898293e-04$, $x_1 = 9.893880132773212e-01$, $x_2 = 9.788275249034082e-01$ 第3384次迭代 $f(x_{3384}) = 1.127965995195494e-04$, $x_1 = 9.893809010724691e-01$, $x_2 = 9.788568650097146e-01$ 第3385次迭代 $f(x_{3385}) = 1.126064569424772e-04$, $x_1 = 9.894059273815233e-01$, $x_2 = 9.788630905887816e-01$ 第3386次迭代 $f(x_{3386}) = 1.124158932366144e-04$, $x_1 = 9.893988396179609e-01$, $x_2 = 9.788923743515356e-01$ 第3387次迭代 $f(x_{3387}) = 1.122264420033327e-04$, $x_1 =$

9.894238116024890e-01, x2 = 9.788985953899130e-01 第3388次迭代 f(x_3388)
=1.120364975796131e-04, x1 = 9.894167461573671e-01, x2 = 9.789278239573056e-01 第3389次
迭代 f(x_3389) =1.118477282753472e-04, x1 = 9.894416659871405e-01, x2 =
9.789340394157502e-01 第3390次迭代 f(x_3390) =1.116584078559817e-04, x1 =
9.894346207555849e-01, x2 = 9.789632139267063e-01 第3391次迭代 f(x_3391)
=1.114703111839916e-04, x1 = 9.894594905826481e-01, x2 = 9.789694227748735e-01 第3392次
迭代 f(x_3392) =1.112816194014146e-04, x1 = 9.894524634769326e-01, x2 =
9.789985443594703e-01 第3393次迭代 f(x_3393) =1.110941861770234e-04, x1 =
9.894772854364249e-01, x2 = 9.790047455754989e-01 第3394次迭代 f(x_3394)
=1.109061275794874e-04, x1 = 9.894702743851587e-01, x2 = 9.790338153553768e-01 第3395次
迭代 f(x_3395) =1.107193487242862e-04, x1 = 9.894950505961214e-01, x2 =
9.790400079254806e-01 第3396次迭代 f(x_3396) =1.105319277813319e-04, x1 =
9.894880535434475e-01, x2 = 9.790690270142488e-01 第3397次迭代 f(x_3397)
=1.103457943174951e-04, x1 = 9.895127861096215e-01, x2 = 9.790752099323147e-01 第3398次
迭代 f(x_3398) =1.101590154253102e-04, x1 = 9.895058010144265e-01, x2 =
9.791041794359500e-01 第3399次迭代 f(x_3399) =1.099735184700512e-04, x1 =
9.895304920250372e-01, x2 = 9.791103517031410e-01 第3400次迭代 f(x_3400)
=1.097873859567113e-04, x1 = 9.895235168601726e-01, x2 = 9.791392727203819e-01 第3401次
迭代 f(x_3401) =1.096025167168560e-04, x1 = 9.895481683907054e-01, x2 =
9.791454333447459e-01 第3402次迭代 f(x_3402) =1.094170348474503e-04, x1 =
9.895412011422186e-01, x2 = 9.791743069674814e-01 第3403次迭代 f(x_3403)
=1.092327846141245e-04, x1 = 9.895658152551822e-01, x2 = 9.791804549635656e-01 第3404次
迭代 f(x_3404) =1.090479575957911e-04, x1 = 9.895588539215594e-01, x2 =
9.792092822772175e-01 第3405次迭代 f(x_3405) =1.088643177392274e-04, x1 =
9.895834326672404e-01, x2 = 9.792154166656875e-01 第3406次迭代 f(x_3406)
=1.086801497260887e-04, x1 = 9.895764752586574e-01, x2 = 9.792441987495895e-01 第3407次
迭代 f(x_3407) =1.084971116905165e-04, x1 = 9.896010206758652e-01, x2 =
9.792503185568532e-01 第3408次迭代 f(x_3408) =1.083136067885360e-04, x1 =
9.895940652134479e-01, x2 = 9.792790564846247e-01 第3409次迭代 f(x_3409)
=1.081311620871795e-04, x1 = 9.896185793302512e-01, x2 = 9.792851607424606e-01 第3410次
迭代 f(x_3410) =1.079483243589424e-04, x1 = 9.896116238453433e-01, x2 =
9.793138555823763e-01 第3411次迭代 f(x_3411) =1.077664645690920e-04, x1 =
9.896361086797986e-01, x2 = 9.793199433275659e-01 第3412次迭代 f(x_3412)
=1.075842980384892e-04, x1 = 9.896291512132396e-01, x2 = 9.793485961429209e-01 第3413次
迭代 f(x_3413) =1.074030147966697e-04, x1 = 9.896536087741102e-01, x2 =
9.793546664168856e-01 第3414次迭代 f(x_3414) =1.072215234535308e-04, x1 =
9.896466473755202e-01, x2 = 9.793832782663572e-01 第3415次迭代 f(x_3415)
=1.070408084507427e-04, x1 = 9.896710796629887e-01, x2 = 9.793893301147988e-01 第3416次
迭代 f(x_3416) =1.068599962554114e-04, x1 = 9.896641123900596e-01, x2 =
9.794179020528038e-01 第3417次迭代 f(x_3417) =1.066798412324306e-04, x1 =
9.896885213964342e-01, x2 = 9.794239345253480e-01 第3418次迭代 f(x_3418)
=1.064997121202662e-04, x1 = 9.896815463142280e-01, x2 = 9.794524676023978e-01 第3419次
迭代 f(x_3419) =1.063201088630190e-04, x1 = 9.897059340246410e-01, x2 =
9.794584797522421e-01 第3420次迭代 f(x_3420) =1.061406667488487e-04, x1 =
9.896989492048958e-01, x2 = 9.794869750152934e-01 第3421次迭代 f(x_3421)
=1.059616070838403e-04, x1 = 9.897233175979958e-01, x2 = 9.794929658988574e-01 第3422次
迭代 f(x_3422) =1.057828558663806e-04, x1 = 9.897163211184359e-01, x2 =
9.795214243916602e-01 第3423次迭代 f(x_3423) =1.056043316561758e-04, x1 =
9.897406721670753e-01, x2 = 9.795273930682392e-01 第3424次迭代 f(x_3424)
=1.054262752223972e-04, x1 = 9.897336621107280e-01, x2 = 9.795558158316824e-01 第3425次

迭代 $f(x_{3425}) = 1.052482783611598e-04$, $x_1 = 9.897579977826444e-01$, $x_2 = 9.795617613631031e-01$ 第3426次迭代 $f(x_{3426}) = 1.050709205906166e-04$, $x_1 = 9.897509722371611e-01$, $x_2 = 9.795901494355569e-01$ 第3427次迭代 $f(x_{3427}) = 1.048934429996714e-04$, $x_1 = 9.897752944956542e-01$, $x_2 = 9.795960708858369e-01$ 第3428次迭代 $f(x_{3428}) = 1.047167877688116e-04$, $x_1 = 9.897682515526365e-01$, $x_2 = 9.796244253034935e-01$ 第3429次迭代 $f(x_{3429}) = 1.045398213922593e-04$, $x_1 = 9.897925623572407e-01$, $x_2 = 9.796303217385010e-01$ 第3430次迭代 $f(x_{3430}) = 1.043638725786953e-04$, $x_1 = 9.897855001115704e-01$, $x_2 = 9.796586435357130e-01$ 第3431次迭代 $f(x_{3431}) = 1.041874093790465e-04$, $x_1 = 9.898098014187224e-01$, $x_2 = 9.796645140228307e-01$ 第3432次迭代 $f(x_{3432}) = 1.040121708658166e-04$, $x_1 = 9.898027179678968e-01$, $x_2 = 9.796928042324464e-01$ 第3433次迭代 $f(x_{3433}) = 1.038362028196727e-04$, $x_1 = 9.898270117316005e-01$, $x_2 = 9.796986478402365e-01$ 第3434次迭代 $f(x_{3434}) = 1.036616784994721e-04$, $x_1 = 9.898199051750688e-01$, $x_2 = 9.797269074939353e-01$ 第3435次迭代 $f(x_{3435}) = 1.034861975932011e-04$, $x_1 = 9.898441933475560e-01$, $x_2 = 9.797327232918056e-01$ 第3436次迭代 $f(x_{3436}) = 1.033123913726234e-04$, $x_1 = 9.898370617860612e-01$, $x_2 = 9.797609534204299e-01$ 第3437次迭代 $f(x_{3437}) = 1.031373895980790e-04$, $x_1 = 9.898613463184504e-01$, $x_2 = 9.797667404783023e-01$ 第3438次迭代 $f(x_{3438}) = 1.029643054018297e-04$, $x_1 = 9.898541878533719e-01$, $x_2 = 9.797949421121895e-01$ 第3439次迭代 $f(x_{3439}) = 1.027897747520560e-04$, $x_1 = 9.898784706963232e-01$, $x_2 = 9.798006995001695e-01$ 第3440次迭代 $f(x_{3440}) = 1.026174165271785e-04$, $x_1 = 9.898712834290234e-01$, $x_2 = 9.798288736694822e-01$ 第3441次迭代 $f(x_{3441}) = 1.024433489921495e-04$, $x_1 = 9.898955665333928e-01$, $x_2 = 9.798346004575289e-01$ 第3442次迭代 $f(x_{3442}) = 1.022717207122488e-04$, $x_1 = 9.898883485645644e-01$, $x_2 = 9.798627481925839e-01$ 第3443次迭代 $f(x_{3443}) = 1.020981082745877e-04$, $x_1 = 9.899126338820551e-01$, $x_2 = 9.798684434501824e-01$ 第3444次迭代 $f(x_{3444}) = 1.019272139440597e-04$, $x_1 = 9.899053833110707e-01$, $x_2 = 9.798965657817790e-01$ 第3445次迭代 $f(x_{3445}) = 1.017540273123037e-04$, $x_1 = 9.899287484975340e-01$, $x_2 = 9.799020130889990e-01$ 第3446次迭代 $f(x_{3446}) = 1.015780056201592e-04$, $x_1 = 9.899224843388440e-01$, $x_2 = 9.799317996067878e-01$ 第3447次迭代 $f(x_{3447}) = 1.014015542212916e-04$, $x_1 = 9.899461219401453e-01$, $x_2 = 9.799366595246595e-01$ 第3448次迭代 $f(x_{3448}) = 1.012254235319006e-04$, $x_1 = 9.899400240339373e-01$, $x_2 = 9.799663156246838e-01$ 第3449次迭代 $f(x_{3449}) = 1.010503268854562e-04$, $x_1 = 9.899634662474552e-01$, $x_2 = 9.799712449052906e-01$ 第3450次迭代 $f(x_{3450}) = 1.008740995218280e-04$, $x_1 = 9.899573434576483e-01$, $x_2 = 9.800017038405080e-01$ 第3451次迭代 $f(x_{3451}) = 1.006961820934484e-04$, $x_1 = 9.899804685200141e-01$, $x_2 = 9.800060857652180e-01$ 第3452次迭代 $f(x_{3452}) = 1.005138548981999e-04$, $x_1 = 9.899750198665230e-01$, $x_2 = 9.800388659622959e-01$ 第3453次迭代 $f(x_{3453}) = 1.003284300958290e-04$, $x_1 = 9.899977766265510e-01$, $x_2 = 9.800423100455631e-01$ 第3454次迭代 $f(x_{3454}) = 1.001283508655644e-04$, $x_1 = 9.899939708061225e-01$, $x_2 = 9.800792698284591e-01$ 第3455次迭代 $f(x_{3455}) = 9.993000729598492e-05$, $x_1 = 9.900182835531282e-01$, $x_2 = 9.800818562020240e-01$ 第3456次迭代 $f(x_{3456}) = 9.974339157570700e-05$, $x_1 = 9.900134532884738e-01$, $x_2 = 9.801155578211356e-01$ 第3457次迭代 $f(x_{3457}) = 9.955689719420567e-05$, $x_1 = 9.900364434563483e-01$, $x_2 = 9.801188266241885e-01$ 第3458次迭代 $f(x_{3458}) = 9.936150212614157e-05$, $x_1 = 9.900324267785358e-01$, $x_2 = 9.801547265155754e-01$ 第3459次迭代 $f(x_{3459}) = 9.916825340420815e-05$, $x_1 = 9.900562259679896e-01$, $x_2 = 9.801575150221865e-01$ 第3460次迭代 $f(x_{3460}) = 9.898003264619843e-05$, $x_1 = 9.900516911100854e-01$, $x_2 = 9.801917761576261e-01$ 第3461次迭代 $f(x_{3461}) = 9.879285534936015e-05$, $x_1 = 9.900747955158349e-01$, $x_2 = 9.801948868738323e-01$ 第3462次迭代 $f(x_{3462}) = 9.860000014047022e-05$, $x_1 =$

9.900706764141517e-01, x2 = 9.802307067262388e-01 第3463次迭代 f(x_3463)
=9.840724984445641e-05, x1 = 9.900945038282191e-01, x2 = 9.802334240495173e-01 第3464次
迭代 f(x_3464) =9.822143801786581e-05, x1 = 9.900898652297763e-01, x2 =
9.802676131844984e-01 第3465次迭代 f(x_3465) =9.803474691981341e-05, x1 =
9.901130009019881e-01, x2 = 9.802706512825740e-01 第3466次迭代 f(x_3466)
=9.784449066815049e-05, x1 = 9.901088485592382e-01, x2 = 9.803057269741041e-01 第3467次
迭代 f(x_3467) =9.765614329046730e-05, x1 = 9.901322329372551e-01, x2 =
9.803086112191393e-01 第3468次迭代 f(x_3468) =9.746915810095347e-05, x1 =
9.901279503739766e-01, x2 = 9.803424979633913e-01 第3469次迭代 f(x_3469)
=9.728654690815486e-05, x1 = 9.901507303680541e-01, x2 = 9.803457019434805e-01 第3470次
迭代 f(x_3470) =9.709626095629640e-05, x1 = 9.901466904533324e-01, x2 =
9.803812209490383e-01 第3471次迭代 f(x_3471) =9.690687936562407e-05, x1 =
9.901702879692422e-01, x2 = 9.803839412426597e-01 第3472次迭代 f(x_3472)
=9.672365017269893e-05, x1 = 9.901657221601758e-01, x2 = 9.804178473740367e-01 第3473次
迭代 f(x_3473) =9.654012621516573e-05, x1 = 9.901886447625157e-01, x2 =
9.804208801539135e-01 第3474次迭代 f(x_3474) =9.635258390881196e-05, x1 =
9.901845515267355e-01, x2 = 9.804556710233785e-01 第3475次迭代 f(x_3475)
=9.616735821039597e-05, x1 = 9.902077302346527e-01, x2 = 9.804585464546820e-01 第3476次
迭代 f(x_3476) =9.598311400330920e-05, x1 = 9.902033197096238e-01, x2 =
9.804935759506782e-01 第3477次迭代 f(x_3477) =9.579517871649626e-05, x1 =
9.902268722387090e-01, x2 = 9.804962346903290e-01 第3478次迭代 f(x_3478)
=9.561481535022475e-05, x1 = 9.90222375427764e-01, x2 = 9.805299917708459e-01 第3479次
迭代 f(x_3479) =9.543266647304838e-05, x1 = 9.902451228945697e-01, x2 =
9.805329592432112e-01 第3480次迭代 f(x_3480) =9.524814455139980e-05, x1 =
9.902409507941148e-01, x2 = 9.805675995874928e-01 第3481次迭代 f(x_3481)
=9.506423040986467e-05, x1 = 9.902640996067047e-01, x2 = 9.805704061804487e-01 第3482次
迭代 f(x_3482) =9.488295619902373e-05, x1 = 9.902597839945937e-01, x2 =
9.806038812142307e-01 第3483次迭代 f(x_3483) =9.470455957903214e-05, x1 =
9.902822844930904e-01, x2 = 9.806069871269438e-01 第3484次迭代 f(x_3484)
=9.451894536081036e-05, x1 = 9.902783509870460e-01, x2 = 9.806420005772735e-01 第3485次
迭代 f(x_3485) =9.433507205174558e-05, x1 = 9.903015813571195e-01, x2 =
9.806447103369372e-01 第3486次迭代 f(x_3486) =9.415650225906790e-05, x1 =
9.902971117269440e-01, x2 = 9.806781413865640e-01 第3487次迭代 f(x_3487)
=9.397816629835443e-05, x1 = 9.903196947286589e-01, x2 = 9.806811500868614e-01 第3488次
迭代 f(x_3488) =9.379550785527225e-05, x1 = 9.903155976738358e-01, x2 =
9.807161176476683e-01 第3489次迭代 f(x_3489) =9.361157761642332e-05, x1 =
9.903389201605041e-01, x2 = 9.807187254785591e-01 第3490次迭代 f(x_3490)
=9.343576165836220e-05, x1 = 9.903344066022057e-01, x2 = 9.807512523988443e-01 第3491次
迭代 f(x_3491) =9.326236265541010e-05, x1 = 9.903565035180880e-01, x2 =
9.807544930657501e-01 第3492次迭代 f(x_3492) =9.307842514009536e-05, x1 =
9.903526239017890e-01, x2 = 9.807902205582425e-01 第3493次迭代 f(x_3493)
=9.289238449273429e-05, x1 = 9.903762837228681e-01, x2 = 9.807926029927095e-01 第3494次
迭代 f(x_3494) =9.272081087935496e-05, x1 = 9.903714584982400e-01, x2 =
9.808246716177552e-01 第3495次迭代 f(x_3495) =9.254880702375787e-05, x1 =
9.903934635754970e-01, x2 = 9.808279033422203e-01 第3496次迭代 f(x_3496)
=9.236626674395833e-05, x1 = 9.903896019963254e-01, x2 = 9.808634909765409e-01 第3497次
迭代 f(x_3497) =9.218169034169200e-05, x1 = 9.904131682167918e-01, x2 =
9.808658656613577e-01 第3498次迭代 f(x_3498) =9.201145755129822e-05, x1 =
9.904083600099050e-01, x2 = 9.808978109333647e-01 第3499次迭代 f(x_3499)
=9.184077024409888e-05, x1 = 9.904302825975351e-01, x2 = 9.809010292207595e-01 第3500次

迭代 $f(x_{3500}) = 9.165970152593815e-05$, $x_1 = 9.904264294048013e-01$, $x_2 = 9.809364823781920e-01$ 第3501次迭代 $f(x_{3501}) = 9.147649595394807e-05$, $x_1 = 9.904499122213598e-01$, $x_2 = 9.809388443904351e-01$ 第3502次迭代 $f(x_{3502}) = 9.130765644602933e-05$, $x_1 = 9.904451118098863e-01$, $x_2 = 9.809706714112815e-01$ 第3503次迭代 $f(x_{3503}) = 9.113820897844050e-05$, $x_1 = 9.904669611193585e-01$, $x_2 = 9.809738718358969e-01$ 第3504次迭代 $f(x_{3504}) = 9.095868413157757e-05$, $x_1 = 9.904631068023776e-01$, $x_2 = 9.810091958244977e-01$ 第3505次迭代 $f(x_{3505}) = 9.077675812010739e-05$, $x_1 = 9.904865162693119e-01$, $x_2 = 9.810115403126790e-01$ 第3506次迭代 $f(x_{3506}) = 9.060936299141508e-05$, $x_1 = 9.904817145573437e-01$, $x_2 = 9.810432541181501e-01$ 第3507次迭代 $f(x_{3507}) = 9.044108029323167e-05$, $x_1 = 9.905034996786792e-01$, $x_2 = 9.810464323150853e-01$ 第3508次迭代 $f(x_{3508}) = 9.026315951801926e-05$, $x_1 = 9.904997488532152e-01$, $x_2 = 9.810805940580944e-01$ 第3509次迭代 $f(x_{3509}) = 9.008839088281019e-05$, $x_1 = 9.905223578983535e-01$, $x_2 = 9.810832880989769e-01$ 第3510次迭代 $f(x_{3510}) = 8.991748125479907e-05$, $x_1 = 9.905180549432357e-01$, $x_2 = 9.811159180619848e-01$ 第3511次迭代 $f(x_{3511}) = 8.974773557220546e-05$, $x_1 = 9.905400618634884e-01$, $x_2 = 9.811188888151664e-01$ 第3512次迭代 $f(x_{3512}) = 8.957308864044900e-05$, $x_1 = 9.905360960593331e-01$, $x_2 = 9.811530335823201e-01$ 第3513次迭代 $f(x_{3513}) = 8.939782233093841e-05$, $x_1 = 9.905588511407643e-01$, $x_2 = 9.811555998383208e-01$ 第3514次迭代 $f(x_{3514}) = 8.922995351393588e-05$, $x_1 = 9.905544503517000e-01$, $x_2 = 9.811873741799927e-01$ 第3515次迭代 $f(x_{3515}) = 8.906449900232348e-05$, $x_1 = 9.905760366858406e-01$, $x_2 = 9.811905441686143e-01$ 第3516次迭代 $f(x_{3516}) = 8.888910252676626e-05$, $x_1 = 9.905722273999428e-01$, $x_2 = 9.812254596707117e-01$ 第3517次迭代 $f(x_{3517}) = 8.871136268188567e-05$, $x_1 = 9.905953690317755e-01$, $x_2 = 9.812277770706552e-01$ 第3518次迭代 $f(x_{3518}) = 8.854791017479573e-05$, $x_1 = 9.905906100668375e-01$, $x_2 = 9.812591307182889e-01$ 第3519次迭代 $f(x_{3519}) = 8.838340130012338e-05$, $x_1 = 9.906121589871477e-01$, $x_2 = 9.812622656296299e-01$ 第3520次迭代 $f(x_{3520}) = 8.820979093402649e-05$, $x_1 = 9.906084250253872e-01$, $x_2 = 9.812960459385577e-01$ 第3521次迭代 $f(x_{3521}) = 8.803882778435815e-05$, $x_1 = 9.906308027536280e-01$, $x_2 = 9.812986950825443e-01$ 第3522次迭代 $f(x_{3522}) = 8.787214329657556e-05$, $x_1 = 9.906265100816924e-01$, $x_2 = 9.813309678167996e-01$ 第3523次迭代 $f(x_{3523}) = 8.770600126166100e-05$, $x_1 = 9.906483048224607e-01$, $x_2 = 9.813338843131364e-01$ 第3524次迭代 $f(x_{3524}) = 8.753581642015034e-05$, $x_1 = 9.906444053924751e-01$, $x_2 = 9.813670288217032e-01$ 第3525次迭代 $f(x_{3525}) = 8.736770500763069e-05$, $x_1 = 9.906665003099347e-01$, $x_2 = 9.813697671905913e-01$ 第3526次迭代 $f(x_{3526}) = 8.720092990814358e-05$, $x_1 = 9.906624127913918e-01$, $x_2 = 9.814018205157770e-01$ 第3527次迭代 $f(x_{3527}) = 8.703746711823634e-05$, $x_1 = 9.906839379708535e-01$, $x_2 = 9.814048196540275e-01$ 第3528次迭代 $f(x_{3528}) = 8.686705956152071e-05$, $x_1 = 9.906801675962574e-01$, $x_2 = 9.814383720382311e-01$ 第3529次迭代 $f(x_{3529}) = 8.669820955882459e-05$, $x_1 = 9.907024407768238e-01$, $x_2 = 9.814409672443334e-01$ 第3530次迭代 $f(x_{3530}) = 8.653463099576380e-05$, $x_1 = 9.906981079250600e-01$, $x_2 = 9.814730277451393e-01$ 第3531次迭代 $f(x_{3531}) = 8.637049644963017e-05$, $x_1 = 9.907198089973875e-01$, $x_2 = 9.814758850098070e-01$ 第3532次迭代 $f(x_{3532}) = 8.620357624220271e-05$, $x_1 = 9.907158573641891e-01$, $x_2 = 9.815088151111339e-01$ 第3533次迭代 $f(x_{3533}) = 8.603741356235705e-05$, $x_1 = 9.907378665507046e-01$, $x_2 = 9.815114904733089e-01$ 第3534次迭代 $f(x_{3534}) = 8.587385362773384e-05$, $x_1 = 9.907337211397318e-01$, $x_2 = 9.815433414096136e-01$ 第3535次迭代 $f(x_{3535}) = 8.571224646199541e-05$, $x_1 = 9.907551706616022e-01$, $x_2 = 9.815462726533479e-01$ 第3536次迭代 $f(x_{3536}) = 8.554527312675446e-05$, $x_1 = 9.907513291806257e-01$, $x_2 = 9.815796165286531e-01$ 第3537次迭代 $f(x_{3537}) = 8.537822860596170e-05$, $x_1 =$

9.907735341193272e-01, x2 = 9.815821403463021e-01 第3538次迭代 f(x_3538)
=8.521795146549752e-05, x1 = 9.907692410453011e-01, x2 = 9.816131815823207e-01 第3539次
迭代 f(x_3539) =8.506005256618440e-05, x1 = 9.907903311874212e-01, x2 =
9.816162814996148e-01 第3540次迭代 f(x_3540) =8.489279697405667e-05, x1 =
9.907866997494954e-01, x2 = 9.816493987558332e-01 第3541次迭代 f(x_3541)
=8.472856671173055e-05, x1 = 9.908086221545149e-01, x2 = 9.816520125570675e-01 第3542次
迭代 f(x_3542) =8.456815523626809e-05, x1 = 9.908044211494574e-01, x2 =
9.816836619551301e-01 第3543次迭代 f(x_3543) =8.440838804103538e-05, x1 =
9.908257938948921e-01, x2 = 9.816865267835417e-01 第3544次迭代 f(x_3544)
=8.424476859820737e-05, x1 = 9.908219570566060e-01, x2 = 9.817190421677149e-01 第3545次
迭代 f(x_3545) =8.408294627656088e-05, x1 = 9.908436457054386e-01, x2 =
9.817217214998855e-01 第3546次迭代 f(x_3546) =8.392274846935569e-05, x1 =
9.908396036021860e-01, x2 = 9.817531770769100e-01 第3547次迭代 f(x_3547)
=8.376525035801214e-05, x1 = 9.908607537497737e-01, x2 = 9.817561019067387e-01 第3548次
迭代 f(x_3548) =8.360176251439783e-05, x1 = 9.908570003919581e-01, x2 =
9.817890391274887e-01 第3549次迭代 f(x_3549) =8.343889199282607e-05, x1 =
9.908789077392107e-01, x2 = 9.817915559893530e-01 第3550次迭代 f(x_3550)
=8.328208326198173e-05, x1 = 9.908745820518026e-01, x2 = 9.818230402649238e-01 第3551次
迭代 f(x_3551) =8.312361952378551e-05, x1 = 9.908959473342643e-01, x2 =
9.818258045133331e-01 第3552次迭代 f(x_3552) =8.296380942787439e-05, x1 =
9.908919565463348e-01, x2 = 9.818582940750468e-01 第3553次迭代 f(x_3553)
=8.280242880585755e-05, x1 = 9.909137495957727e-01, x2 = 9.818608166362365e-01 第3554次
迭代 f(x_3554) =8.264664346042670e-05, x1 = 9.909094665110494e-01, x2 =
9.818921663825296e-01 第3555次迭代 f(x_3555) =8.248958978440833e-05, x1 =
9.909307247012743e-01, x2 = 9.818949327922126e-01 第3556次迭代 f(x_3556)
=8.233084215868001e-05, x1 = 9.909267712113241e-01, x2 = 9.819272859807926e-01 第3557次
迭代 f(x_3557) =8.217087245862548e-05, x1 = 9.909484590804194e-01, x2 =
9.819298098507974e-01 第3558次迭代 f(x_3558) =8.201616395007304e-05, x1 =
9.909442099889109e-01, x2 = 9.819610298507137e-01 第3559次迭代 f(x_3559)
=8.186044677678894e-05, x1 = 9.909653698541077e-01, x2 = 9.819637942074981e-01 第3560次
迭代 f(x_3560) =8.170281974031824e-05, x1 = 9.909614450432594e-01, x2 =
9.819960158280989e-01 第3561次迭代 f(x_3561) =8.154418440939185e-05, x1 =
9.909830366806374e-01, x2 = 9.819985367010894e-01 第3562次迭代 f(x_3562)
=8.139060423565842e-05, x1 = 9.909788131319661e-01, x2 = 9.820296316551231e-01 第3563次
迭代 f(x_3563) =8.123615217137781e-05, x1 = 9.909998832829674e-01, x2 =
9.820323898232177e-01 第3564次迭代 f(x_3564) =8.107970182181209e-05, x1 =
9.909959786856481e-01, x2 = 9.820644846014318e-01 第3565次迭代 f(x_3565)
=8.092232647929718e-05, x1 = 9.910174828863767e-01, x2 = 9.820669982485489e-01 第3566次
迭代 f(x_3566) =8.076992441003022e-05, x1 = 9.910132765744606e-01, x2 =
9.820979727822623e-01 第3567次迭代 f(x_3567) =8.061666799506816e-05, x1 =
9.910342654803096e-01, x2 = 9.821007206969009e-01 第3568次迭代 f(x_3568)
=8.046144864909955e-05, x1 = 9.910303727695339e-01, x2 = 9.821326932861920e-01 第3569次
迭代 f(x_3569) =8.030526084675374e-05, x1 = 9.910517981899077e-01, x2 =
9.821351955480921e-01 第3570次迭代 f(x_3570) =8.015408513739978e-05, x1 =
9.910476009386402e-01, x2 = 9.821660542193459e-01 第3571次迭代 f(x_3571)
=8.000195662597744e-05, x1 = 9.910685169407107e-01, x2 = 9.821687878796681e-01 第3572次
迭代 f(x_3572) =7.984802104831696e-05, x1 = 9.910646279138244e-01, x2 =
9.822006428685697e-01 第3573次迭代 f(x_3573) =7.969295004225535e-05, x1 =
9.910859830856913e-01, x2 = 9.822031296482019e-01 第3574次迭代 f(x_3574)
=7.954304763827858e-05, x1 = 9.910817868350552e-01, x2 = 9.822338769541670e-01 第3575次

迭代 $f(x_{3575}) = 7.939198078858042e-05$, $x_1 = 9.911026381607491e-01$, $x_2 = 9.822365924163133e-01$ 第3576次迭代 $f(x_{3576}) = 7.923938041075378e-05$, $x_1 = 9.910987447255926e-01$, $x_2 = 9.822683343354158e-01$ 第3577次迭代 $f(x_{3577}) = 7.908535694351155e-05$, $x_1 = 9.911200380702611e-01$, $x_2 = 9.822708015910111e-01$ 第3578次迭代 $f(x_{3578}) = 7.893677367589665e-05$, $x_1 = 9.911158348628417e-01$, $x_2 = 9.823014419749787e-01$ 第3579次迭代 $f(x_{3579}) = 7.878670354915183e-05$, $x_1 = 9.911366296388963e-01$, $x_2 = 9.823041353453826e-01$ 第3580次迭代 $f(x_{3580}) = 7.863548867941458e-05$, $x_1 = 9.911327238003483e-01$, $x_2 = 9.823357686741264e-01$ 第3581次迭代 $f(x_{3581}) = 7.848244477094663e-05$, $x_1 = 9.911539636421194e-01$, $x_2 = 9.823382124123774e-01$ 第3582次迭代 $f(x_{3582}) = 7.833522059822426e-05$, $x_1 = 9.911498549594336e-01$, $x_2 = 9.823679585982799e-01$ 第3583次迭代 $f(x_{3583}) = 7.819022625547617e-05$, $x_1 = 9.911700719243551e-01$, $x_2 = 9.823709313519509e-01$ 第3584次迭代 $f(x_{3584}) = 7.803692023422555e-05$, $x_1 = 9.911665529481769e-01$, $x_2 = 9.824026897274151e-01$ 第3585次迭代 $f(x_{3585}) = 7.788578801300560e-05$, $x_1 = 9.911876123840673e-01$, $x_2 = 9.824051741897603e-01$ 第3586次迭代 $f(x_{3586}) = 7.773904532627929e-05$, $x_1 = 9.911835042890650e-01$, $x_2 = 9.824355474908226e-01$ 第3587次迭代 $f(x_{3587}) = 7.759171785211924e-05$, $x_1 = 9.912040789178956e-01$, $x_2 = 9.824382513165669e-01$ 第3588次迭代 $f(x_{3588}) = 7.744240247752881e-05$, $x_1 = 9.912002586105362e-01$, $x_2 = 9.824696136312283e-01$ 第3589次迭代 $f(x_{3589}) = 7.729211477134659e-05$, $x_1 = 9.912212810784904e-01$, $x_2 = 9.824720666427539e-01$ 第3590次迭代 $f(x_{3590}) = 7.714682529813250e-05$, $x_1 = 9.912171425400926e-01$, $x_2 = 9.825023461452653e-01$ 第3591次迭代 $f(x_{3591}) = 7.700030413475020e-05$, $x_1 = 9.912376846117154e-01$, $x_2 = 9.825050163885723e-01$ 第3592次迭代 $f(x_{3592}) = 7.685252149737523e-05$, $x_1 = 9.912338283005716e-01$, $x_2 = 9.825362833446453e-01$ 第3593次迭代 $f(x_{3593}) = 7.670301398531537e-05$, $x_1 = 9.912548218438537e-01$, $x_2 = 9.825387010523809e-01$ 第3594次迭代 $f(x_{3594}) = 7.655921010869932e-05$, $x_1 = 9.912507535283410e-01$, $x_2 = 9.825681083622297e-01$ 第3595次迭代 $f(x_{3595}) = 7.641748626216630e-05$, $x_1 = 9.912707473074073e-01$, $x_2 = 9.825710432411393e-01$ 第3596次迭代 $f(x_{3596}) = 7.626783585950496e-05$, $x_1 = 9.912672500822746e-01$, $x_2 = 9.826024455977327e-01$ 第3597次迭代 $f(x_{3597}) = 7.612002339932826e-05$, $x_1 = 9.912880888936449e-01$, $x_2 = 9.826048916816656e-01$ 第3598次迭代 $f(x_{3598}) = 7.597685251940959e-05$, $x_1 = 9.912839979891997e-01$, $x_2 = 9.826349305855826e-01$ 第3599次迭代 $f(x_{3599}) = 7.583268443872621e-05$, $x_1 = 9.913043683734527e-01$, $x_2 = 9.826375880516937e-01$ 第3600次迭代 $f(x_{3600}) = 7.568710584914387e-05$, $x_1 = 9.913005499254099e-01$, $x_2 = 9.826686106748048e-01$ 第3601次迭代 $f(x_{3601}) = 7.553994713843087e-05$, $x_1 = 9.913213756967428e-01$, $x_2 = 9.826710138465810e-01$ 第3602次迭代 $f(x_{3602}) = 7.539834482225315e-05$, $x_1 = 9.913173391558971e-01$, $x_2 = 9.827001949870318e-01$ 第3603次迭代 $f(x_{3603}) = 7.525879248458855e-05$, $x_1 = 9.913371806052171e-01$, $x_2 = 9.827031074194532e-01$ 第3604次迭代 $f(x_{3604}) = 7.511148918719773e-05$, $x_1 = 9.913337031321249e-01$, $x_2 = 9.827342721641277e-01$ 第3605次迭代 $f(x_{3605}) = 7.496588653281649e-05$, $x_1 = 9.913543908652678e-01$, $x_2 = 9.827366956899840e-01$ 第3606次迭代 $f(x_{3606}) = 7.482501068851434e-05$, $x_1 = 9.913503168074638e-01$, $x_2 = 9.827665111950870e-01$ 第3607次迭代 $f(x_{3607}) = 7.468294659660701e-05$, $x_1 = 9.913705469555432e-01$, $x_2 = 9.827691408205137e-01$ 第3608次迭代 $f(x_{3608}) = 7.453976591395445e-05$, $x_1 = 9.913667354254554e-01$, $x_2 = 9.827999364567519e-01$ 第3609次迭代 $f(x_{3609}) = 7.439469502287890e-05$, $x_1 = 9.913874256524594e-01$, $x_2 = 9.828023096370798e-01$ 第3610次迭代 $f(x_{3610}) = 7.425544775005178e-05$, $x_1 = 9.913833912119120e-01$, $x_2 = 9.828312811952933e-01$ 第3611次迭代 $f(x_{3611}) = 7.411783933929678e-05$, $x_1 = 9.914031103813848e-01$, $x_2 = 9.828341568241754e-01$ 第3612次迭代 $f(x_{3612}) = 7.397307139514753e-05$, $x_1 =$

9.913996224908296e-01, x2 = 9.828651009294148e-01 第3613次迭代 f(x_3613)
=7.382942530351815e-05, x1 = 9.914201908026841e-01, x2 = 9.828674867274922e-01 第3614次
迭代 f(x_3614)=7.369100783665308e-05, x1 = 9.914162096217224e-01, x2 =
9.828963279946080e-01 第3615次迭代 f(x_3615)=7.355470196824877e-05, x1 =
9.914358168461654e-01, x2 = 9.828992111555601e-01 第3616次迭代 f(x_3616)
=7.341078460811565e-05, x1 = 9.914323772974143e-01, x2 = 9.829300188308426e-01 第3617次
迭代 f(x_3617)=7.326849432313992e-05, x1 = 9.914528319663096e-01, x2 =
9.829324132705217e-01 第3618次迭代 f(x_3618)=7.313093197687808e-05, x1 =
9.914487916847414e-01, x2 = 9.829618927224195e-01 第3619次迭代 f(x_3619)
=7.299202315628503e-05, x1 = 9.914688049189343e-01, x2 = 9.829644853929792e-01 第3620次
迭代 f(x_3620)=7.285229939095621e-05, x1 = 9.914650127244781e-01, x2 =
9.829949394975748e-01 第3621次迭代 f(x_3621)=7.271036588536606e-05, x1 =
9.914854925416021e-01, x2 = 9.829972727626856e-01 第3622次迭代 f(x_3622)
=7.257452287711688e-05, x1 = 9.914814701286777e-01, x2 = 9.830259287047933e-01 第3623次
迭代 f(x_3623)=7.243983299855073e-05, x1 = 9.915009989918655e-01, x2 =
9.830287540997873e-01 第3624次迭代 f(x_3624)=7.229872101250630e-05, x1 =
9.914975049218813e-01, x2 = 9.830593659831349e-01 第3625次迭代 f(x_3625)
=7.215802175294932e-05, x1 = 9.915178864860618e-01, x2 = 9.830617005201955e-01 第3626次
迭代 f(x_3626)=7.202312102050336e-05, x1 = 9.915138955438961e-01, x2 =
9.830902383536487e-01 第3627次迭代 f(x_3627)=7.188956745529875e-05, x1 =
9.915333345296320e-01, x2 = 9.830930607392003e-01 第3628次迭代 f(x_3628)
=7.174944403516483e-05, x1 = 9.915298666449806e-01, x2 = 9.831235486603226e-01 第3629次
迭代 f(x_3629)=7.160991551711492e-05, x1 = 9.915501578179665e-01, x2 =
9.831258806986437e-01 第3630次迭代 f(x_3630)=7.147599481911020e-05, x1 =
9.915461911050744e-01, x2 = 9.831543044696940e-01 第3631次迭代 f(x_3631)
=7.134352216072206e-05, x1 = 9.915655475462521e-01, x2 = 9.831571203418445e-01 第3632次
迭代 f(x_3632)=7.120443362113194e-05, x1 = 9.915620984822173e-01, x2 =
9.831874884421307e-01 第3633次迭代 f(x_3633)=7.106601412710054e-05, x1 =
9.915823069913845e-01, x2 = 9.831898142782758e-01 第3634次迭代 f(x_3634)
=7.093310992730809e-05, x1 = 9.915783573898527e-01, x2 = 9.832181279689939e-01 第3635次
迭代 f(x_3635)=7.080166425509336e-05, x1 = 9.915976384987877e-01, x2 =
9.832209338840651e-01 第3636次迭代 f(x_3636)=7.066365542108797e-05, x1 =
9.915942010115881e-01, x2 = 9.832511862419105e-01 第3637次迭代 f(x_3637)
=7.052628483489597e-05, x1 = 9.916143344620924e-01, x2 = 9.832535022335710e-01 第3638次
迭代 f(x_3638)=7.039443245382473e-05, x1 = 9.916103949660788e-01, x2 =
9.832817097676519e-01 第3639次迭代 f(x_3639)=7.026396117452203e-05, x1 =
9.916296078457558e-01, x2 = 9.832845023365778e-01 第3640次迭代 f(x_3640)
=7.012707556106217e-05, x1 = 9.916261748009149e-01, x2 = 9.833146429732563e-01 第3641次
迭代 f(x_3641)=6.999069519099493e-05, x1 = 9.916462406874682e-01, x2 =
9.833169455333178e-01 第3642次迭代 f(x_3642)=6.985992895046775e-05, x1 =
9.916423043920549e-01, x2 = 9.833450507817074e-01 第3643次迭代 f(x_3643)
=6.973038064704641e-05, x1 = 9.916614560470336e-01, x2 = 9.833478266645408e-01 第3644次
迭代 f(x_3644)=6.959466063053649e-05, x1 = 9.916580204080934e-01, x2 =
9.833778595498990e-01 第3645次迭代 f(x_3645)=6.945921304043021e-05, x1 =
9.916780261263974e-01, x2 = 9.833801451406824e-01 第3646次迭代 f(x_3646)
=6.932956640201191e-05, x1 = 9.916740862167553e-01, x2 = 9.834081519270449e-01 第3647次
迭代 f(x_3647)=6.920089068899301e-05, x1 = 9.916931835637732e-01, x2 =
9.834109078276162e-01 第3648次迭代 f(x_3648)=6.906637767173982e-05, x1 =
9.916897383813185e-01, x2 = 9.834408368856145e-01 第3649次迭代 f(x_3649)
=6.893180651904157e-05, x1 = 9.917096912391851e-01, x2 = 9.834431020132733e-01 第3650次

迭代 $f(x_{3650}) = 6.880331221698259e-05$, $x_1 = 9.917057409800334e-01$, $x_2 = 9.834710141193106e-01$ 第3651次迭代 $f(x_{3651}) = 6.867545960152904e-05$, $x_1 = 9.917247908583241e-01$, $x_2 = 9.834737467800309e-01$ 第3652次迭代 $f(x_{3652}) = 6.854219417001532e-05$, $x_1 = 9.917213292592908e-01$, $x_2 = 9.835035758941379e-01$ 第3653次迭代 $f(x_{3653}) = 6.840844404998739e-05$, $x_1 = 9.917412364874791e-01$, $x_2 = 9.835058171032012e-01$ 第3654次迭代 $f(x_{3654}) = 6.828113421945077e-05$, $x_1 = 9.917372692128028e-01$, $x_2 = 9.835336382738409e-01$ 第3655次迭代 $f(x_{3655}) = 6.815405596742855e-05$, $x_1 = 9.917562783941652e-01$, $x_2 = 9.835363444706314e-01$ 第3656次迭代 $f(x_{3656}) = 6.802207804524992e-05$, $x_1 = 9.917527935714014e-01$, $x_2 = 9.835660774890916e-01$ 第3657次迭代 $f(x_{3657}) = 6.788909434048014e-05$, $x_1 = 9.917726623342025e-01$, $x_2 = 9.835682913571331e-01$ 第3658次迭代 $f(x_{3658}) = 6.776300064168676e-05$, $x_1 = 9.917686714372038e-01$, $x_2 = 9.835960253055978e-01$ 第3659次迭代 $f(x_{3659}) = 6.763666066467156e-05$, $x_1 = 9.917875912091977e-01$, $x_2 = 9.835986940247553e-01$ 第3660次迭代 $f(x_{3660}) = 6.750502031913876e-05$, $x_1 = 9.917842131450689e-01$, $x_2 = 9.836282660224734e-01$ 第3661次迭代 $f(x_{3661}) = 6.737371154932637e-05$, $x_1 = 9.918039115348389e-01$, $x_2 = 9.836305191178460e-01$ 第3662次迭代 $f(x_{3662}) = 6.724804896828608e-05$, $x_1 = 9.918000235141659e-01$, $x_2 = 9.836581026348313e-01$ 第3663次迭代 $f(x_{3663}) = 6.712321719052347e-05$, $x_1 = 9.918188407001635e-01$, $x_2 = 9.836608121169966e-01$ 第3664次迭代 $f(x_{3664}) = 6.699294359349427e-05$, $x_1 = 9.918154258907187e-01$, $x_2 = 9.836902956647342e-01$ 第3665次迭代 $f(x_{3665}) = 6.686229291168605e-05$, $x_1 = 9.918351000408967e-01$, $x_2 = 9.836925146224692e-01$ 第3666次迭代 $f(x_{3666}) = 6.673790909782291e-05$, $x_1 = 9.918311752909991e-01$, $x_2 = 9.837200182862760e-01$ 第3667次迭代 $f(x_{3667}) = 6.661372120917549e-05$, $x_1 = 9.918499169050075e-01$, $x_2 = 9.837226839620923e-01$ 第3668次迭代 $f(x_{3668}) = 6.648388200685718e-05$, $x_1 = 9.918465941213825e-01$, $x_2 = 9.837520147439444e-01$ 第3669次迭代 $f(x_{3669}) = 6.635478088752810e-05$, $x_1 = 9.918661133371273e-01$, $x_2 = 9.837542655169038e-01$ 第3670次迭代 $f(x_{3670}) = 6.623090469829221e-05$, $x_1 = 9.918622772295369e-01$, $x_2 = 9.837816266852965e-01$ 第3671次迭代 $f(x_{3671}) = 6.610811476136629e-05$, $x_1 = 9.918809301401185e-01$, $x_2 = 9.837843262245787e-01$ 第3672次迭代 $f(x_{3672}) = 6.597971697891760e-05$, $x_1 = 9.918775574864894e-01$, $x_2 = 9.838135759942971e-01$ 第3673次迭代 $f(x_{3673}) = 6.585117062210471e-05$, $x_1 = 9.918970662870145e-01$, $x_2 = 9.838157860333989e-01$ 第3674次迭代 $f(x_{3674}) = 6.572863234841852e-05$, $x_1 = 9.918931807101664e-01$, $x_2 = 9.838430745254952e-01$ 第3675次迭代 $f(x_{3675}) = 6.560638242243474e-05$, $x_1 = 9.919118259107985e-01$, $x_2 = 9.838457319085780e-01$ 第3676次迭代 $f(x_{3676}) = 6.547946137747984e-05$, $x_1 = 9.919084611326221e-01$, $x_2 = 9.838743577698659e-01$ 第3677次迭代 $f(x_{3677}) = 6.535406884753786e-05$, $x_1 = 9.919275728451551e-01$, $x_2 = 9.838767220798718e-01$ 第3678次迭代 $f(x_{3678}) = 6.523052795100054e-05$, $x_1 = 9.919239138250320e-01$, $x_2 = 9.839044717472208e-01$ 第3679次迭代 $f(x_{3679}) = 6.510774814624218e-05$, $x_1 = 9.919426639631578e-01$, $x_2 = 9.839069953666723e-01$ 第3680次迭代 $f(x_{3680}) = 6.498253172641181e-05$, $x_1 = 9.919391903233018e-01$, $x_2 = 9.839356897817481e-01$ 第3681次迭代 $f(x_{3681}) = 6.485678042753278e-05$, $x_1 = 9.919584274090923e-01$, $x_2 = 9.839379452586957e-01$ 第3682次迭代 $f(x_{3682}) = 6.473543806727922e-05$, $x_1 = 9.919546840685545e-01$, $x_2 = 9.839649685646003e-01$ 第3683次迭代 $f(x_{3683}) = 6.461574357805247e-05$, $x_1 = 9.919730776874062e-01$, $x_2 = 9.839676611340757e-01$ 第3684次迭代 $f(x_{3684}) = 6.448998903002037e-05$, $x_1 = 9.919697839938660e-01$, $x_2 = 9.839965557410340e-01$ 第3685次迭代 $f(x_{3685}) = 6.436464609126036e-05$, $x_1 = 9.919890306847973e-01$, $x_2 = 9.839987609455387e-01$ 第3686次迭代 $f(x_{3686}) = 6.424472424901316e-05$, $x_1 = 9.919852194289603e-01$, $x_2 = 9.840257219924379e-01$ 第3687次迭代 $f(x_{3687}) = 6.412544048747970e-05$, $x_1 =$

9.920036241199496e-01, x2 = 9.840283634913276e-01 第3688次迭代 f(x_3688)
=6.400126770102901e-05, x1 = 9.920002551868012e-01, x2 = 9.840571914942164e-01 第3689次
迭代 f(x_3689) =6.387628328930157e-05, x1 = 9.920195182215193e-01, x2 =
9.840593432147438e-01 第3690次迭代 f(x_3690) =6.375781101318690e-05, x1 =
9.920156328179525e-01, x2 = 9.840862455126580e-01 第3691次迭代 f(x_3691)
=6.363890404550893e-05, x1 = 9.920340011203732e-01, x2 = 9.840888253672049e-01 第3692次
迭代 f(x_3692) =6.351541398273025e-05, x1 = 9.920306834024627e-01, x2 =
9.841175236147296e-01 第3693次迭代 f(x_3693) =6.339164735500172e-05, x1 =
9.920498343866997e-01, x2 = 9.841196866312261e-01 第3694次迭代 f(x_3694)
=6.327387919924343e-05, x1 = 9.920459981023471e-01, x2 = 9.841464685966343e-01 第3695次
迭代 f(x_3695) =6.315609292838133e-05, x1 = 9.920642632031892e-01, x2 =
9.841490553673838e-01 第3696次迭代 f(x_3696) =6.303332815952321e-05, x1 =
9.920609898703747e-01, x2 = 9.841776277030554e-01 第3697次迭代 f(x_3697)
=6.291072328023244e-05, x1 = 9.920800359775438e-01, x2 = 9.841797985801850e-01 第3698次
迭代 f(x_3698) =6.279369303292829e-05, x1 = 9.920762421955998e-01, x2 =
9.842064639164295e-01 第3699次迭代 f(x_3699) =6.267697808702611e-05, x1 =
9.920944107858466e-01, x2 = 9.842090544107343e-01 第3700次迭代 f(x_3700)
=6.255497937601137e-05, x1 = 9.920911751532057e-01, x2 = 9.842375046030516e-01 第3701次
迭代 f(x_3701) =6.243348209772057e-05, x1 = 9.921101234095192e-01, x2 =
9.842396799791480e-01 第3702次迭代 f(x_3702) =6.231722212072334e-05, x1 =
9.921063656499928e-01, x2 = 9.842662323189311e-01 第3703次迭代 f(x_3703)
=6.220151821522009e-05, x1 = 9.921244972495987e-01, x2 = 9.842688310016732e-01 第3704次
迭代 f(x_3704) =6.208122868363306e-05, x1 = 9.921212246670756e-01, x2 =
9.842966963208623e-01 第3705次迭代 f(x_3705) =6.196241717181208e-05, x1 =
9.921398317217415e-01, x2 = 9.842989990388870e-01 第3706次迭代 f(x_3706)
=6.184546719459440e-05, x1 = 9.921362510409617e-01, x2 = 9.843260222741166e-01 第3707次
迭代 f(x_3707) =6.172899360353070e-05, x1 = 9.921545276740397e-01, x2 =
9.843284692015698e-01 第3708次迭代 f(x_3708) =6.161061648766249e-05, x1 =
9.921511049917362e-01, x2 = 9.843564234944797e-01 第3709次迭代 f(x_3709)
=6.149117298692012e-05, x1 = 9.921698787826663e-01, x2 = 9.843585978198444e-01 第3710次
迭代 f(x_3710) =6.137654603406360e-05, x1 = 9.921661736113677e-01, x2 =
9.8438493531444446e-01 第3711次迭代 f(x_3711) =6.126274607594763e-05, x1 =
9.921841446698724e-01, x2 = 9.843875258250461e-01 第3712次迭代 f(x_3712)
=6.114416372738080e-05, x1 = 9.921808534254115e-01, x2 = 9.844156970771637e-01 第3713次
迭代 f(x_3713) =6.102481225777230e-05, x1 = 9.921996813149333e-01, x2 =
9.844177999760594e-01 第3714次迭代 f(x_3714) =6.091178285026508e-05, x1 =
9.921958671848193e-01, x2 = 9.844440984527405e-01 第3715次迭代 f(x_3715)
=6.079812166104389e-05, x1 = 9.922138385421120e-01, x2 = 9.844466106985387e-01 第3716次
迭代 f(x_3716) =6.068044666218115e-05, x1 = 9.922105600228036e-01, x2 =
9.844746739715901e-01 第3717次迭代 f(x_3717) =6.056200877226717e-05, x1 =
9.922293163838078e-01, x2 = 9.844767688170796e-01 第3718次迭代 f(x_3718)
=6.044986202166235e-05, x1 = 9.922255140045393e-01, x2 = 9.845029679784320e-01 第3719次
迭代 f(x_3719) =6.033705237201288e-05, x1 = 9.922434200359733e-01, x2 =
9.845054691218212e-01 第3720次迭代 f(x_3720) =6.022031959894794e-05, x1 =
9.922401480708071e-01, x2 = 9.845334279162434e-01 第3721次迭代 f(x_3721)
=6.010274749674532e-05, x1 = 9.922588394086990e-01, x2 = 9.845355116066439e-01 第3722次
迭代 f(x_3722) =5.999151021282693e-05, x1 = 9.922551054610542e-01, x2 =
9.845611838787799e-01 第3723次迭代 f(x_3723) =5.988145935984226e-05, x1 =
9.922726792127062e-01, x2 = 9.845638421530976e-01 第3724次迭代 f(x_3724)
=5.976426162053744e-05, x1 = 9.922696197345183e-01, x2 = 9.845915938091542e-01 第3725次

迭代 $f(x_{3725}) = 5.964890059807439e-05$, $x_1 = 9.922880369165192e-01$, $x_2 = 9.845937718989102e-01$ 第3726次迭代 $f(x_{3726}) = 5.953740324336454e-05$, $x_1 = 9.922844471799989e-01$, $x_2 = 9.846196788736743e-01$ 第3727次迭代 $f(x_{3727}) = 5.942738812150279e-05$, $x_1 = 9.923020894793777e-01$, $x_2 = 9.846222589102550e-01$ 第3728次迭代 $f(x_{3728}) = 5.931206205979146e-05$, $x_1 = 9.922988970392653e-01$, $x_2 = 9.846499769878899e-01$ 第3729次迭代 $f(x_{3729}) = 5.919663675415984e-05$, $x_1 = 9.923173916436373e-01$, $x_2 = 9.846520726065133e-01$ 第3730次迭代 $f(x_{3730}) = 5.908682006481825e-05$, $x_1 = 9.923136714619559e-01$, $x_2 = 9.846779528182042e-01$ 第3731次迭代 $f(x_{3731}) = 5.897680481357790e-05$, $x_1 = 9.923313369418219e-01$, $x_2 = 9.846804442804826e-01$ 第3732次迭代 $f(x_{3732}) = 5.886252260846512e-05$, $x_1 = 9.923281328757797e-01$, $x_2 = 9.847080682015702e-01$ 第3733次迭代 $f(x_{3733}) = 5.874782335824833e-05$, $x_1 = 9.923465816297899e-01$, $x_2 = 9.847101435283627e-01$ 第3734次迭代 $f(x_{3734}) = 5.863899812363769e-05$, $x_1 = 9.923428495154679e-01$, $x_2 = 9.847359377843333e-01$ 第3735次迭代 $f(x_{3735}) = 5.852966791889350e-05$, $x_1 = 9.923604737119716e-01$, $x_2 = 9.847384067280881e-01$ 第3736次迭代 $f(x_{3736}) = 5.841646085869537e-05$, $x_1 = 9.923572521823281e-01$, $x_2 = 9.847659398179746e-01$ 第3737次迭代 $f(x_{3737}) = 5.830244384104277e-05$, $x_1 = 9.923756612534924e-01$, $x_2 = 9.847679919195776e-01$ 第3738次迭代 $f(x_{3738}) = 5.819463001076647e-05$, $x_1 = 9.923719734224247e-01$, $x_2 = 9.847932789504887e-01$ 第3739次迭代 $f(x_{3739}) = 5.808783983926411e-05$, $x_1 = 9.923892929656323e-01$, $x_2 = 9.847958912748962e-01$ 第3740次迭代 $f(x_{3740}) = 5.797433581946201e-05$, $x_1 = 9.923862573432919e-01$, $x_2 = 9.848232321592554e-01$ 第3741次迭代 $f(x_{3741}) = 5.786231237569659e-05$, $x_1 = 9.924044201469259e-01$, $x_2 = 9.848253652912560e-01$ 第3742次迭代 $f(x_{3742}) = 5.775437593735217e-05$, $x_1 = 9.924008515854443e-01$, $x_2 = 9.848508949303793e-01$ 第3743次迭代 $f(x_{3743}) = 5.764748736616723e-05$, $x_1 = 9.924182610896886e-01$, $x_2 = 9.848534189291976e-01$ 第3744次迭代 $f(x_{3744}) = 5.753595697296592e-05$, $x_1 = 9.924150709795797e-01$, $x_2 = 9.848807386080337e-01$ 第3745次迭代 $f(x_{3745}) = 5.742371707075281e-05$, $x_1 = 9.924333340463868e-01$, $x_2 = 9.848827784603685e-01$ 第3746次迭代 $f(x_{3746}) = 5.731753856914167e-05$, $x_1 = 9.924296753786802e-01$, $x_2 = 9.849078721156098e-01$ 第3747次迭代 $f(x_{3747}) = 5.721237617813248e-05$, $x_1 = 9.924468631681971e-01$, $x_2 = 9.849104649015503e-01$ 第3748次迭代 $f(x_{3748}) = 5.710062975731437e-05$, $x_1 = 9.924438459962144e-01$, $x_2 = 9.849375996686233e-01$ 第3749次迭代 $f(x_{3749}) = 5.699027837614159e-05$, $x_1 = 9.924618764127565e-01$, $x_2 = 9.849397140280867e-01$ 第3750次迭代 $f(x_{3750}) = 5.688404129985857e-05$, $x_1 = 9.924583249421343e-01$, $x_2 = 9.849650540723843e-01$ 第3751次迭代 $f(x_{3751}) = 5.677871767426143e-05$, $x_1 = 9.924756129805949e-01$, $x_2 = 9.849675536957457e-01$ 第3752次迭代 $f(x_{3752}) = 5.666899173800568e-05$, $x_1 = 9.924724309818534e-01$, $x_2 = 9.849946732195247e-01$ 第3753次迭代 $f(x_{3753}) = 5.655835249649124e-05$, $x_1 = 9.924905726481793e-01$, $x_2 = 9.849966891096256e-01$ 第3754次迭代 $f(x_{3754}) = 5.645390342531281e-05$, $x_1 = 9.924869208192392e-01$, $x_2 = 9.850216020033962e-01$ 第3755次迭代 $f(x_{3755}) = 5.635021919503993e-05$, $x_1 = 9.925039994286676e-01$, $x_2 = 9.850241645605916e-01$ 第3756次迭代 $f(x_{3756}) = 5.624035068508857e-05$, $x_1 = 9.925009780209731e-01$, $x_2 = 9.850511061462963e-01$ 第3757次迭代 $f(x_{3757}) = 5.613150263937215e-05$, $x_1 = 9.925189000224703e-01$, $x_2 = 9.850531903364623e-01$ 第3758次迭代 $f(x_{3758}) = 5.602706107192327e-05$, $x_1 = 9.925153435349385e-01$, $x_2 = 9.850783533076910e-01$ 第3759次迭代 $f(x_{3759}) = 5.592315260493283e-05$, $x_1 = 9.925325326611653e-01$, $x_2 = 9.850808178736236e-01$ 第3760次迭代 $f(x_{3760}) = 5.581533589429024e-05$, $x_1 = 9.925293959868490e-01$, $x_2 = 9.851072455585885e-01$ 第3761次迭代 $f(x_{3761}) = 5.570839305430388e-05$, $x_1 = 9.925470759658899e-01$, $x_2 = 9.851094094993954e-01$ 第3762次迭代 $f(x_{3762}) = 5.560379528011526e-05$, $x_1 =$

9.925436080328840e-01, x2 = 9.851350587757923e-01 第3763次迭代 f(x_3763)
=5.549872412238563e-05, x1 = 9.925610133115554e-01, x2 = 9.851373400075197e-01 第3764次
迭代 f(x_3764) =5.539313777156284e-05, x1 = 9.925577887826349e-01, x2 =
9.851628216117211e-01 第3765次迭代 f(x_3765) =5.528986480885902e-05, x1 =
9.925749260692556e-01, x2 = 9.851652167981525e-01 第3766次迭代 f(x_3766)
=5.518316116355683e-05, x1 = 9.925718263615700e-01, x2 = 9.851914836773052e-01 第3767次
迭代 f(x_3767) =5.507755611458105e-05, x1 = 9.925893869088251e-01, x2 =
9.851936448147693e-01 第3768次迭代 f(x_3768) =5.497406668620482e-05, x1 =
9.925859536913870e-01, x2 = 9.852191398207050e-01 第3769次迭代 f(x_3769)
=5.487028281366407e-05, x1 = 9.926032455570785e-01, x2 = 9.852214153379604e-01 第3770次
迭代 f(x_3770) =5.476584243837445e-05, x1 = 9.926000500316823e-01, x2 =
9.852467458127028e-01 第3771次迭代 f(x_3771) =5.466380927232679e-05, x1 =
9.926170797066706e-01, x2 = 9.852491324828618e-01 第3772次迭代 f(x_3772)
=5.455828361047919e-05, x1 = 9.926140043836955e-01, x2 = 9.852752457117502e-01 第3773次
迭代 f(x_3773) =5.445392443486997e-05, x1 = 9.926314586773659e-01, x2 =
9.852773977824523e-01 第3774次迭代 f(x_3774) =5.435160275130209e-05, x1 =
9.926280477020739e-01, x2 = 9.853027455871831e-01 第3775次迭代 f(x_3775)
=5.424901833482133e-05, x1 = 9.926452389976661e-01, x2 = 9.853050092947712e-01 第3776次
迭代 f(x_3776) =5.414577964909728e-05, x1 = 9.926420603283701e-01, x2 =
9.853301955434817e-01 第3777次迭代 f(x_3777) =5.404490230206244e-05, x1 =
9.926589949114103e-01, x2 = 9.853325677642881e-01 第3778次迭代 f(x_3778)
=5.394061639168687e-05, x1 = 9.926559316960885e-01, x2 = 9.853585343393910e-01 第3779次
迭代 f(x_3779) =5.383741463419880e-05, x1 = 9.926732926072717e-01, x2 =
9.853606712329530e-01 第3780次迭代 f(x_3780) =5.373631730833078e-05, x1 =
9.926698916921424e-01, x2 = 9.853858787536182e-01 第3781次迭代 f(x_3781)
=5.363484769621190e-05, x1 = 9.926869949719032e-01, x2 = 9.853881247000678e-01 第3782次
迭代 f(x_3782) =5.353286388720667e-05, x1 = 9.926838212847530e-01, x2 =
9.854131734831248e-01 第3783次迭代 f(x_3783) =5.343306129351163e-05, x1 =
9.927006730246591e-01, x2 = 9.854155254562821e-01 第3784次迭代 f(x_3784)
=5.333007426215056e-05, x1 = 9.926976099057737e-01, x2 = 9.854413522346924e-01 第3785次
迭代 f(x_3785) =5.322794442262249e-05, x1 = 9.927148900377589e-01, x2 =
9.854434679740042e-01 第3786次迭代 f(x_3786) =5.312812574879088e-05, x1 =
9.927114872538388e-01, x2 = 9.854685419949962e-01 第3787次迭代 f(x_3787)
=5.302768898811474e-05, x1 = 9.927285148214599e-01, x2 = 9.854707643534205e-01 第3788次
迭代 f(x_3788) =5.292701115743097e-05, x1 = 9.927253344787853e-01, x2 =
9.854956823069075e-01 第3789次迭代 f(x_3789) =5.282820471145833e-05, x1 =
9.927421153903321e-01, x2 = 9.854980083503709e-01 第3790次迭代 f(x_3790)
=5.272657352353585e-05, x1 = 9.927390405851385e-01, x2 = 9.855237020686407e-01 第3791次
迭代 f(x_3791) =5.262543258178552e-05, x1 = 9.927562523110488e-01, x2 =
9.855257907909206e-01 第3792次迭代 f(x_3792) =5.252694497471366e-05, x1 =
9.927528359455903e-01, x2 = 9.855507379824544e-01 第3793次迭代 f(x_3793)
=5.242746136207783e-05, x1 = 9.927697998906727e-01, x2 = 9.855529310321957e-01 第3794次
迭代 f(x_3794) =5.232813894106133e-05, x1 = 9.927666014553852e-01, x2 =
9.855777246859051e-01 第3795次迭代 f(x_3795) =5.223025207208581e-05, x1 =
9.927833233546873e-01, x2 = 9.855800192160847e-01 第3796次迭代 f(x_3796)
=5.213003563748919e-05, x1 = 9.927802117328831e-01, x2 = 9.856056982496588e-01 第3797次
迭代 f(x_3797) =5.202931882303953e-05, x1 = 9.927974482394002e-01, x2 =
9.856077134100146e-01 第3798次迭代 f(x_3798) =5.193261906245787e-05, x1 =
9.927940179825157e-01, x2 = 9.856319357939123e-01 第3799次迭代 f(x_3799)
=5.183632924207164e-05, x1 = 9.928105270652761e-01, x2 = 9.856342968244268e-01 第3800次

迭代 $f(x_{3800}) = 5.173593571821765e-05$, $x_1 = 9.928075355968319e-01$, $x_2 = 9.856601758778311e-01$ 第3801次迭代 $f(x_{3801}) = 5.163529481365249e-05$, $x_1 = 9.928248222771950e-01$, $x_2 = 9.856621252349755e-01$ 第3802次迭代 $f(x_{3802}) = 5.153994050112680e-05$, $x_1 = 9.928213498191439e-01$, $x_2 = 9.856859127516462e-01$ 第3803次迭代 $f(x_{3803}) = 5.144542964504722e-05$, $x_1 = 9.928376545339388e-01$, $x_2 = 9.856883673046802e-01$ 第3804次迭代 $f(x_{3804}) = 5.134530630114232e-05$, $x_1 = 9.928347528931126e-01$, $x_2 = 9.857141084529043e-01$ 第3805次迭代 $f(x_{3805}) = 5.124590867348660e-05$, $x_1 = 9.928518944295256e-01$, $x_2 = 9.857160905322307e-01$ 第3806次迭代 $f(x_{3806}) = 5.115088599540316e-05$, $x_1 = 9.928484515479233e-01$, $x_2 = 9.857401479100962e-01$ 第3807次迭代 $f(x_{3807}) = 5.105584251242644e-05$, $x_1 = 9.928648741520094e-01$, $x_2 = 9.857424717243870e-01$ 第3808次迭代 $f(x_{3808}) = 5.095725712366496e-05$, $x_1 = 9.928618605405897e-01$, $x_2 = 9.857681762844259e-01$ 第3809次迭代 $f(x_{3809}) = 5.085786896544955e-05$, $x_1 = 9.928790625749910e-01$, $x_2 = 9.857700876865975e-01$ 第3810次迭代 $f(x_{3810}) = 5.076421123771966e-05$, $x_1 = 9.928755683222487e-01$, $x_2 = 9.857937182879286e-01$ 第3811次迭代 $f(x_{3811}) = 5.067087557130287e-05$, $x_1 = 9.928917971881760e-01$, $x_2 = 9.857961303514092e-01$ 第3812次迭代 $f(x_{3812}) = 5.057261402950449e-05$, $x_1 = 9.928888629949005e-01$, $x_2 = 9.858217029588205e-01$ 第3813次迭代 $f(x_{3813}) = 5.047439395857468e-05$, $x_1 = 9.929059308971366e-01$, $x_2 = 9.858236418557714e-01$ 第3814次迭代 $f(x_{3814}) = 5.038112631626122e-05$, $x_1 = 9.929025130775270e-01$, $x_2 = 9.858471508080477e-01$ 第3815次迭代 $f(x_{3815}) = 5.028883578600294e-05$, $x_1 = 9.929186190936136e-01$, $x_2 = 9.858495846395087e-01$ 第3816次迭代 $f(x_{3816}) = 5.019093426254134e-05$, $x_1 = 9.929157583891547e-01$, $x_2 = 9.858750286326450e-01$ 第3817次迭代 $f(x_{3817}) = 5.009383574687938e-05$, $x_1 = 9.929326983974848e-01$, $x_2 = 9.858769920402953e-01$ 第3818次迭代 $f(x_{3818}) = 5.000096670983690e-05$, $x_1 = 9.929292951469192e-01$, $x_2 = 9.859007751734697e-01$ 第3819次迭代 $f(x_{3819}) = 4.990807760439806e-05$, $x_1 = 9.929455320487516e-01$, $x_2 = 9.859030725593892e-01$ 第3820次迭代 $f(x_{3820}) = 4.981177075910467e-05$, $x_1 = 9.929426015126663e-01$, $x_2 = 9.859280117917940e-01$ 第3821次迭代 $f(x_{3821}) = 4.971659827615512e-05$, $x_1 = 9.929592734859780e-01$, $x_2 = 9.859300703549337e-01$ 第3822次迭代 $f(x_{3822}) = 4.962338638356437e-05$, $x_1 = 9.929559923381643e-01$, $x_2 = 9.859542935181475e-01$ 第3823次迭代 $f(x_{3823}) = 4.952966057026417e-05$, $x_1 = 9.929724431315985e-01$, $x_2 = 9.859564435930435e-01$ 第3824次迭代 $f(x_{3824}) = 4.943576818750831e-05$, $x_1 = 9.929693546708688e-01$, $x_2 = 9.859805271912881e-01$ 第3825次迭代 $f(x_{3825}) = 4.934344000245354e-05$, $x_1 = 9.929855891380588e-01$, $x_2 = 9.859827663737408e-01$ 第3826次迭代 $f(x_{3826}) = 4.924880317343338e-05$, $x_1 = 9.929825667052975e-01$, $x_2 = 9.860077196068413e-01$ 第3827次迭代 $f(x_{3827}) = 4.915370226944189e-05$, $x_1 = 9.929993195385139e-01$, $x_2 = 9.860096781752461e-01$ 第3828次迭代 $f(x_{3828}) = 4.906248333027322e-05$, $x_1 = 9.929959693087682e-01$, $x_2 = 9.860332249884564e-01$ 第3829次迭代 $f(x_{3829}) = 4.897146201771344e-05$, $x_1 = 9.930120330923824e-01$, $x_2 = 9.860355106337194e-01$ 第3830次迭代 $f(x_{3830}) = 4.887688780289443e-05$, $x_1 = 9.930090899816653e-01$, $x_2 = 9.860606771149237e-01$ 第3831次迭代 $f(x_{3831}) = 4.878163489507339e-05$, $x_1 = 9.930259297300896e-01$, $x_2 = 9.860625525823908e-01$ 第3832次迭代 $f(x_{3832}) = 4.869186273544543e-05$, $x_1 = 9.930225026503502e-01$, $x_2 = 9.860856948515839e-01$ 第3833次迭代 $f(x_{3833}) = 4.860233573844745e-05$, $x_1 = 9.930384027654207e-01$, $x_2 = 9.860880538214974e-01$ 第3834次迭代 $f(x_{3834}) = 4.850823780929192e-05$, $x_1 = 9.930355103517527e-01$, $x_2 = 9.861131047348712e-01$ 第3835次迭代 $f(x_{3835}) = 4.841394344720117e-05$, $x_1 = 9.930522463355992e-01$, $x_2 = 9.861149932669850e-01$ 第3836次迭代 $f(x_{3836}) = 4.832467442512608e-05$, $x_1 = 9.930488681199378e-01$, $x_2 = 9.861380295063092e-01$ 第3837次迭代 $f(x_{3837}) = 4.823601416727785e-05$, $x_1 =$

9.930646733053634e-01, x2 = 9.861403970464867e-01 第3838次迭代 f(x_3838)
=4.814242150265179e-05, x1 = 9.930618263073541e-01, x2 = 9.861653353957718e-01 第3839次
迭代 f(x_3839) =4.804904666269702e-05, x1 = 9.930784641055175e-01, x2 =
9.861672343377464e-01 第3840次迭代 f(x_3840) =4.796030236040648e-05, x1 =
9.930751296839689e-01, x2 = 9.861901674112528e-01 第3841次迭代 f(x_3841)
=4.787247562696725e-05, x1 = 9.930908450694864e-01, x2 = 9.861925410930749e-01 第3842次
迭代 f(x_3842) =4.777941590015002e-05, x1 = 9.930880383236406e-01, x2 =
9.862173698211631e-01 第3843次迭代 f(x_3843) =4.768692291870407e-05, x1 =
9.931045833950012e-01, x2 = 9.862192765781477e-01 第3844次迭代 f(x_3844)
=4.759871671670237e-05, x1 = 9.931012324857865e-01, x2 = 9.862424925820913e-01 第3845次
迭代 f(x_3845) =4.751015611221374e-05, x1 = 9.931171057398475e-01, x2 =
9.862447180150654e-01 第3846次迭代 f(x_3846) =4.741878861818354e-05, x1 =
9.931142001584556e-01, x2 = 9.862690698099905e-01 第3847次迭代 f(x_3847)
=4.732795484243018e-05, x1 = 9.931305146814103e-01, x2 = 9.862710538445852e-01 第3848次
迭代 f(x_3848) =4.723959719081821e-05, x1 = 9.931273363460235e-01, x2 =
9.862941013978603e-01 第3849次迭代 f(x_3849) =4.715254365384336e-05, x1 =
9.931430386774913e-01, x2 = 9.862964039836596e-01 第3850次迭代 f(x_3850)
=4.706159228622990e-05, x1 = 9.931401919849198e-01, x2 = 9.863206392577629e-01 第3851次
迭代 f(x_3851) =4.697171929818707e-05, x1 = 9.931563966828844e-01, x2 =
9.863226400393870e-01 第3852次迭代 f(x_3852) =4.688378764519222e-05, x1 =
9.931531917309764e-01, x2 = 9.863461882278810e-01 第3853次迭代 f(x_3853)
=4.679518331458130e-05, x1 = 9.931691990111295e-01, x2 = 9.863482691208819e-01 第3854次
迭代 f(x_3854) =4.670669819054030e-05, x1 = 9.931661642221040e-01, x2 =
9.863716903065609e-01 第3855次迭代 f(x_3855) =4.661932267809689e-05, x1 =
9.931819781968667e-01, x2 = 9.863738492789041e-01 第3856次迭代 f(x_3856)
=4.653026080458771e-05, x1 = 9.931789889745855e-01, x2 = 9.863981249590015e-01 第3857次
迭代 f(x_3857) =4.644014929113139e-05, x1 = 9.931953262597668e-01, x2 =
9.864000014590546e-01 第3858次迭代 f(x_3858) =4.635435789342535e-05, x1 =
9.931920025660865e-01, x2 = 9.864229183487817e-01 第3859次迭代 f(x_3859)
=4.626803791099072e-05, x1 = 9.932076842335383e-01, x2 = 9.864251056085405e-01 第3860次
迭代 f(x_3860) =4.617922629084069e-05, x1 = 9.932047916862770e-01, x2 =
9.864491474313899e-01 第3861次迭代 f(x_3861) =4.609064057711227e-05, x1 =
9.932209176352098e-01, x2 = 9.864510920634916e-01 第3862次迭代 f(x_3862)
=4.600477765146098e-05, x1 = 9.932177487844588e-01, x2 = 9.864738505206417e-01 第3863次
迭代 f(x_3863) =4.591984705655826e-05, x1 = 9.932332770383726e-01, x2 =
9.864761062510671e-01 第3864次迭代 f(x_3864) =4.583152945107748e-05, x1 =
9.932304268364255e-01, x2 = 9.865000410390873e-01 第3865次迭代 f(x_3865)
=4.574379164819930e-05, x1 = 9.932464603564150e-01, x2 = 9.865019941892947e-01 第3866次
迭代 f(x_3866) =4.565843775347360e-05, x1 = 9.932433319335278e-01, x2 =
9.865246519715389e-01 第3867次迭代 f(x_3867) =4.557429702273058e-05, x1 =
9.932587737663945e-01, x2 = 9.865269131536863e-01 第3868次迭代 f(x_3868)
=4.548649745828490e-05, x1 = 9.932559610599618e-01, x2 = 9.865507436755117e-01 第3869次
迭代 f(x_3869) =4.539957377039893e-05, x1 = 9.932719072428067e-01, x2 =
9.865527029298498e-01 第3870次迭代 f(x_3870) =4.531474232610798e-05, x1 =
9.932687322372962e-01, x2 = 9.865758631213867e-01 第3871次迭代 f(x_3871)
=4.522899170011285e-05, x1 = 9.932844942371990e-01, x2 = 9.865778961549539e-01 第3872次
迭代 f(x_3872) =4.514367393879005e-05, x1 = 9.932814768540814e-01, x2 =
9.866009363711616e-01 第3873次迭代 f(x_3873) =4.505906121257359e-05, x1 =
9.932970583930767e-01, x2 = 9.866030413478415e-01 第3874次迭代 f(x_3874)
=4.497326848829297e-05, x1 = 9.932940746378560e-01, x2 = 9.866269271634956e-01 第3875次

迭代 $f(x_{3875}) = 4.488593736066747e-05$, $x_1 = 9.933101826039427e-01$, $x_2 = 9.866287484690138e-01$ 第3876次迭代 $f(x_{3876}) = 4.480330045550194e-05$, $x_1 = 9.933069159971443e-01$, $x_2 = 9.866509306755191e-01$ 第3877次迭代 $f(x_{3877}) = 4.472107044475964e-05$, $x_1 = 9.933221498916587e-01$, $x_2 = 9.866532019572531e-01$ 第3878次迭代 $f(x_{3878}) = 4.463457739559676e-05$, $x_1 = 9.933193713239075e-01$, $x_2 = 9.866772269948769e-01$ 第3879次迭代 $f(x_{3879}) = 4.454783883151053e-05$, $x_1 = 9.933354311380119e-01$, $x_2 = 9.866790350353284e-01$ 第3880次迭代 $f(x_{3880}) = 4.446589741230636e-05$, $x_1 = 9.933321629108830e-01$, $x_2 = 9.867011399819621e-01$ 第3881次迭代 $f(x_{3881}) = 4.438422068028335e-05$, $x_1 = 9.933473531539676e-01$, $x_2 = 9.867033956862558e-01$ 第3882次迭代 $f(x_{3882}) = 4.429848264222434e-05$, $x_1 = 9.933445684487394e-01$, $x_2 = 9.867273378101080e-01$ 第3883次迭代 $f(x_{3883}) = 4.421230724967837e-05$, $x_1 = 9.933605847891703e-01$, $x_2 = 9.867291303789373e-01$ 第3884次迭代 $f(x_{3884}) = 4.413107625671909e-05$, $x_1 = 9.933573106955511e-01$, $x_2 = 9.867511605002789e-01$ 第3885次迭代 $f(x_{3885}) = 4.404992747401167e-05$, $x_1 = 9.933724616131796e-01$, $x_2 = 9.867533985979003e-01$ 第3886次迭代 $f(x_{3886}) = 4.396496407869326e-05$, $x_1 = 9.933696664222855e-01$, $x_2 = 9.867772603242678e-01$ 第3887次迭代 $f(x_{3887}) = 4.387932295832789e-05$, $x_1 = 9.933856439172016e-01$, $x_2 = 9.867790352397174e-01$ 第3888次迭代 $f(x_{3888}) = 4.379881702962319e-05$, $x_1 = 9.933823597560408e-01$, $x_2 = 9.868009929463233e-01$ 第3889次迭代 $f(x_{3889}) = 4.371817126408799e-05$, $x_1 = 9.933974756301385e-01$, $x_2 = 9.868032114297588e-01$ 第3890次迭代 $f(x_{3890}) = 4.363399311715385e-05$, $x_1 = 9.933947182975896e-01$, $x_2 = 9.868265496330557e-01$ 第3891次迭代 $f(x_{3891}) = 4.355061852457432e-05$, $x_1 = 9.934103398083608e-01$, $x_2 = 9.868284665880257e-01$ 第3892次迭代 $f(x_{3892}) = 4.346934744849603e-05$, $x_1 = 9.934072967835976e-01$, $x_2 = 9.868505661421477e-01$ 第3893次迭代 $f(x_{3893}) = 4.338931282891436e-05$, $x_1 = 9.934223557222812e-01$, $x_2 = 9.868527761975757e-01$ 第3894次迭代 $f(x_{3894}) = 4.330578460959341e-05$, $x_1 = 9.934196067865106e-01$, $x_2 = 9.868760268773280e-01$ 第3895次迭代 $f(x_{3895}) = 4.322303033886559e-05$, $x_1 = 9.934351716104057e-01$, $x_2 = 9.868779354669893e-01$ 第3896次迭代 $f(x_{3896}) = 4.314239569982727e-05$, $x_1 = 9.934321360452978e-01$, $x_2 = 9.868999532100186e-01$ 第3897次迭代 $f(x_{3897}) = 4.306294675393004e-05$, $x_1 = 9.934471423686635e-01$, $x_2 = 9.869021528089188e-01$ 第3898次迭代 $f(x_{3898}) = 4.298008689406974e-05$, $x_1 = 9.934443975678353e-01$, $x_2 = 9.869253184273118e-01$ 第3899次迭代 $f(x_{3899}) = 4.289792526821999e-05$, $x_1 = 9.934599102021806e-01$, $x_2 = 9.869272165334254e-01$ 第3900次迭代 $f(x_{3900}) = 4.281794215426774e-05$, $x_1 = 9.934568779500310e-01$, $x_2 = 9.869491548494248e-01$ 第3901次迭代 $f(x_{3901}) = 4.273905395607410e-05$, $x_1 = 9.934718359196011e-01$, $x_2 = 9.869513419922979e-01$ 第3902次迭代 $f(x_{3902}) = 4.265688038358401e-05$, $x_1 = 9.934690910499645e-01$, $x_2 = 9.869744249809024e-01$ 第3903次迭代 $f(x_{3903}) = 4.257528430040877e-05$, $x_1 = 9.934845559333063e-01$, $x_2 = 9.869763105143625e-01$ 第3904次迭代 $f(x_{3904}) = 4.249596739681237e-05$, $x_1 = 9.934815229017361e-01$, $x_2 = 9.869981717587588e-01$ 第3905次迭代 $f(x_{3905}) = 4.241761551270181e-05$, $x_1 = 9.934964367255080e-01$, $x_2 = 9.870003444725884e-01$ 第3906次迭代 $f(x_{3906}) = 4.233614571066058e-05$, $x_1 = 9.934936876362210e-01$, $x_2 = 9.870233472349702e-01$ 第3907次迭代 $f(x_{3907}) = 4.225508858396911e-05$, $x_1 = 9.935091091535508e-01$, $x_2 = 9.870252181331781e-01$ 第3908次迭代 $f(x_{3908}) = 4.217645222299458e-05$, $x_1 = 9.935060712994997e-01$, $x_2 = 9.870470046352814e-01$ 第3909次迭代 $f(x_{3909}) = 4.209861265989092e-05$, $x_1 = 9.935209451368616e-01$, $x_2 = 9.870491609710640e-01$ 第3910次迭代 $f(x_{3910}) = 4.201786372343494e-05$, $x_1 = 9.935181877249477e-01$, $x_2 = 9.870720858853258e-01$ 第3911次迭代 $f(x_{3911}) = 4.193731942650763e-05$, $x_1 = 9.935335702127941e-01$, $x_2 = 9.870739401096306e-01$ 第3912次迭代 $f(x_{3912}) = 4.185937763539882e-05$, $x_1 =$

9.935305235376449e-01, x2 = 9.870956541750917e-01 第3913次迭代 f(x_3913)
=4.178203428943441e-05, x1 = 9.935453181623995e-01, x2 = 9.870977859602290e-01 第3914次
迭代 f(x_3914) =4.170144463720138e-05, x1 = 9.935426026189011e-01, x2 =
9.871210178982055e-01 第3915次迭代 f(x_3915) =4.162027778038121e-05, x1 =
9.935581576056877e-01, x2 = 9.871227491240938e-01 第3916次迭代 f(x_3916)
=4.154398927725122e-05, x1 = 9.935549515759214e-01, x2 = 9.871441342100923e-01 第3917次
迭代 f(x_3917) =4.146748294449509e-05, x1 = 9.935696818642729e-01, x2 =
9.871462901084326e-01 第3918次迭代 f(x_3918) =4.138779697449779e-05, x1 =
9.935669741713561e-01, x2 = 9.871690268785445e-01 第3919次迭代 f(x_3919)
=4.130862251525897e-05, x1 = 9.935822118980538e-01, x2 = 9.871708816413212e-01 第3920次
迭代 f(x_3920) =4.123174281284205e-05, x1 = 9.935792125161579e-01, x2 =
9.871924190479937e-01 第3921次迭代 f(x_3921) =4.115567798780856e-05, x1 =
9.935939151494925e-01, x2 = 9.871945527917620e-01 第3922次迭代 f(x_3922)
=4.107676329852423e-05, x1 = 9.935911869724382e-01, x2 = 9.872172187667762e-01 第3923次
迭代 f(x_3923) =4.099802456423514e-05, x1 = 9.936063985255885e-01, x2 =
9.872190508136477e-01 第3924次迭代 f(x_3924) =4.092188079088355e-05, x1 =
9.936033784709732e-01, x2 = 9.872405226214099e-01 第3925次迭代 f(x_3925)
=4.084624208905653e-05, x1 = 9.936180145564564e-01, x2 = 9.872426261853154e-01 第3926次
迭代 f(x_3926) =4.076755071277058e-05, x1 = 9.936153660037380e-01, x2 =
9.872651714409807e-01 第3927次迭代 f(x_3927) =4.068977477626758e-05, x1 =
9.936304501928407e-01, x2 = 9.872670317434614e-01 第3928次迭代 f(x_3928)
=4.061389543231383e-05, x1 = 9.936275074116272e-01, x2 = 9.872883890925688e-01 第3929次
迭代 f(x_3929) =4.053914216728197e-05, x1 = 9.936420662466793e-01, x2 =
9.872905233957692e-01 第3930次迭代 f(x_3930) =4.046125385037896e-05, x1 =
9.936393893310835e-01, x2 = 9.873130024367064e-01 第3931次迭代 f(x_3931)
=4.038386439827419e-05, x1 = 9.936544556822458e-01, x2 = 9.873148361105828e-01 第3932次
迭代 f(x_3932) =4.030874702765998e-05, x1 = 9.936514845489020e-01, x2 =
9.873361323016923e-01 第3933次迭代 f(x_3933) =4.023437585501947e-05, x1 =
9.936659851448832e-01, x2 = 9.873382327348594e-01 第3934次迭代 f(x_3934)
=4.015674689481239e-05, x1 = 9.936633292791972e-01, x2 = 9.873610231106956e-01 第3935次
迭代 f(x_3935) =4.007865352118331e-05, x1 = 9.936785851181197e-01, x2 =
9.873627259569062e-01 第3936次迭代 f(x_3936) =4.000522049786615e-05, x1 =
9.936754380412868e-01, x2 = 9.873837092088458e-01 第3937次迭代 f(x_3937)
=3.993155951935685e-05, x1 = 9.936898948037569e-01, x2 = 9.873858236173195e-01 第3938次
迭代 f(x_3938) =3.985490922952795e-05, x1 = 9.936872266858535e-01, x2 =
9.874081381882243e-01 第3939次迭代 f(x_3939) =3.977862739152949e-05, x1 =
9.937021914890429e-01, x2 = 9.874099520642079e-01 第3940次迭代 f(x_3940)
=3.970471580954893e-05, x1 = 9.936992277988581e-01, x2 = 9.874310945356930e-01 第3941次
迭代 f(x_3941) =3.963139361247808e-05, x1 = 9.937136343184488e-01, x2 =
9.874331715383718e-01 第3942次迭代 f(x_3942) =3.955504470501549e-05, x1 =
9.937110287787979e-01, x2 = 9.874553751912040e-01 第3943次迭代 f(x_3943)
=3.947961339377234e-05, x1 = 9.937258841724637e-01, x2 = 9.874572088450394e-01 第3944次
迭代 f(x_3944) =3.940603035975628e-05, x1 = 9.937229811853316e-01, x2 =
9.874782463420765e-01 第3945次迭代 f(x_3945) =3.933349273494959e-05, x1 =
9.937373267799601e-01, x2 = 9.874803460101093e-01 第3946次迭代 f(x_3946)
=3.925800544970650e-05, x1 = 9.937346777300817e-01, x2 = 9.875024922861232e-01 第3947次
迭代 f(x_3947) =3.918286793392291e-05, x1 = 9.937495313403870e-01, x2 =
9.875042917914459e-01 第3948次迭代 f(x_3948) =3.911009501510005e-05, x1 =
9.937465852086147e-01, x2 = 9.875252767124519e-01 第3949次迭代 f(x_3949)
=3.903785460060246e-05, x1 = 9.937608884089552e-01, x2 = 9.875273355092674e-01 第3950次

迭代 $f(x_{3950}) = 3.896270443193062e-05$, $x_1 = 9.937582937886748e-01$, $x_2 = 9.875493755715470e-01$ 第3951次迭代 $f(x_{3951}) = 3.888836498666680e-05$, $x_1 = 9.937730465867626e-01$, $x_2 = 9.875511908041472e-01$ 第3952次迭代 $f(x_{3952}) = 3.881594997934052e-05$, $x_1 = 9.937701532276660e-01$, $x_2 = 9.875720753068469e-01$ 第3953次迭代 $f(x_{3953}) = 3.874444715077204e-05$, $x_1 = 9.937844033486670e-01$, $x_2 = 9.875741528911750e-01$ 第3954次迭代 $f(x_{3954}) = 3.867018607242831e-05$, $x_1 = 9.937817578886546e-01$, $x_2 = 9.875961398648139e-01$ 第3955次迭代 $f(x_{3955}) = 3.859609629147175e-05$, $x_1 = 9.937965166821485e-01$, $x_2 = 9.875979173111560e-01$ 第3956次迭代 $f(x_{3956}) = 3.852451403035488e-05$, $x_1 = 9.937935730110116e-01$, $x_2 = 9.876187534062144e-01$ 第3957次迭代 $f(x_{3957}) = 3.845326765341025e-05$, $x_1 = 9.938077884013643e-01$, $x_2 = 9.876207867436135e-01$ 第3958次迭代 $f(x_{3958}) = 3.837937690615667e-05$, $x_1 = 9.938051895047242e-01$, $x_2 = 9.876426720606263e-01$ 第3959次迭代 $f(x_{3959}) = 3.830603549699000e-05$, $x_1 = 9.938198557971289e-01$, $x_2 = 9.876444613258594e-01$ 第3960次迭代 $f(x_{3960}) = 3.823483844351129e-05$, $x_1 = 9.938169572360960e-01$, $x_2 = 9.876652014191891e-01$ 第3961次迭代 $f(x_{3961}) = 3.816429226472351e-05$, $x_1 = 9.938310857834316e-01$, $x_2 = 9.876672437929024e-01$ 第3962次迭代 $f(x_{3962}) = 3.809079122022607e-05$, $x_1 = 9.938285292672481e-01$, $x_2 = 9.876890298557718e-01$ 第3963次迭代 $f(x_{3963}) = 3.801817071445193e-05$, $x_1 = 9.938431074644305e-01$, $x_2 = 9.876908288588290e-01$ 第3964次迭代 $f(x_{3964}) = 3.794737485582769e-05$, $x_1 = 9.938402499427722e-01$, $x_2 = 9.877114752775562e-01$ 第3965次迭代 $f(x_{3965}) = 3.787749655789050e-05$, $x_1 = 9.938543369588004e-01$, $x_2 = 9.877135307321439e-01$ 第3966次迭代 $f(x_{3966}) = 3.780492303982368e-05$, $x_1 = 9.938517189593017e-01$, $x_2 = 9.877352699530926e-01$ 第3967次迭代 $f(x_{3967}) = 3.773248922120335e-05$, $x_1 = 9.938663144613553e-01$, $x_2 = 9.877370258898128e-01$ 第3968次迭代 $f(x_{3968}) = 3.766255775766475e-05$, $x_1 = 9.938633962137952e-01$, $x_2 = 9.877576299752699e-01$ 第3969次迭代 $f(x_{3969}) = 3.759287816712952e-05$, $x_1 = 9.938774597177179e-01$, $x_2 = 9.877596362518819e-01$ 第3970次迭代 $f(x_{3970}) = 3.752072416833206e-05$, $x_1 = 9.938748766228226e-01$, $x_2 = 9.877812805717777e-01$ 第3971次迭代 $f(x_{3971}) = 3.744896530664972e-05$, $x_1 = 9.938893919450571e-01$, $x_2 = 9.877830425343618e-01$ 第3972次迭代 $f(x_{3972}) = 3.737945955165802e-05$, $x_1 = 9.938865074440812e-01$, $x_2 = 9.878035571685931e-01$ 第3973次迭代 $f(x_{3973}) = 3.731041356600643e-05$, $x_1 = 9.939004957654524e-01$, $x_2 = 9.878055670199702e-01$ 第3974次迭代 $f(x_{3974}) = 3.723869637620750e-05$, $x_1 = 9.938979436222496e-01$, $x_2 = 9.878271187218227e-01$ 第3975次迭代 $f(x_{3975}) = 3.716758725210482e-05$, $x_1 = 9.939123829374296e-01$, $x_2 = 9.878288847451269e-01$ 第3976次迭代 $f(x_{3976}) = 3.709852147308684e-05$, $x_1 = 9.939095283312284e-01$, $x_2 = 9.878493121415889e-01$ 第3977次迭代 $f(x_{3977}) = 3.703008623070378e-05$, $x_1 = 9.939234454180607e-01$, $x_2 = 9.878513237153361e-01$ 第3978次迭代 $f(x_{3978}) = 3.695882241177411e-05$, $x_1 = 9.939209203534207e-01$, $x_2 = 9.878727850407807e-01$ 第3979次迭代 $f(x_{3979}) = 3.688833858754918e-05$, $x_1 = 9.939352877534479e-01$, $x_2 = 9.878745531998914e-01$ 第3980次迭代 $f(x_{3980}) = 3.681972644883054e-05$, $x_1 = 9.939324592662793e-01$, $x_2 = 9.878948955326093e-01$ 第3981次迭代 $f(x_{3981}) = 3.675187977668438e-05$, $x_1 = 9.939463089917138e-01$, $x_2 = 9.878969070135457e-01$ 第3982次迭代 $f(x_{3982}) = 3.668108427610217e-05$, $x_1 = 9.939437594385216e-01$, $x_2 = 9.879186882630541e-01$ 第3983次迭代 $f(x_{3983}) = 3.660973186747000e-05$, $x_1 = 9.939583532461229e-01$, $x_2 = 9.879203086915762e-01$ 第3984次迭代 $f(x_{3984}) = 3.654285035541563e-05$, $x_1 = 9.939553131562902e-01$, $x_2 = 9.879403738838337e-01$ 第3985次迭代 $f(x_{3985}) = 3.647545837312141e-05$, $x_1 = 9.939691232704800e-01$, $x_2 = 9.879423714266694e-01$ 第3986次迭代 $f(x_{3986}) = 3.640527511889922e-05$, $x_1 = 9.939666162996742e-01$, $x_2 = 9.879636708934173e-01$ 第3987次迭代 $f(x_{3987}) = 3.633584877030296e-05$, $x_1 =$

9.939808768666210e-01, x2 = 9.879654250944584e-01 第3988次迭代 f(x_3988)
=3.626829233358516e-05, x1 = 9.939780653048097e-01, x2 = 9.879856157670960e-01 第3989次
迭代 f(x_3989) =3.620144745609654e-05, x1 = 9.939918154924366e-01, x2 =
9.879876097424214e-01 第3990次迭代 f(x_3990) =3.613176235531575e-05, x1 =
9.939893245175421e-01, x2 = 9.880088252804655e-01 第3991次迭代 f(x_3991)
=3.606289320008640e-05, x1 = 9.940035249023529e-01, x2 = 9.880105761132474e-01 第3992次
迭代 f(x_3992) =3.599582734100583e-05, x1 = 9.940007286423180e-01, x2 =
9.880306879809035e-01 第3993次迭代 f(x_3993) =3.592950908798791e-05, x1 =
9.940144225872976e-01, x2 = 9.880326766673966e-01 第3994次迭代 f(x_3994)
=3.586033642109372e-05, x1 = 9.940119439988069e-01, x2 = 9.880538103808327e-01 第3995次
迭代 f(x_3995) =3.579200252402753e-05, x1 = 9.940260880259943e-01, x2 =
9.880555560531894e-01 第3996次迭代 f(x_3996) =3.572543902780330e-05, x1 =
9.940233035425174e-01, x2 = 9.880755911592359e-01 第3997次迭代 f(x_3997)
=3.565962742471098e-05, x1 = 9.940369448712387e-01, x2 = 9.880775728640733e-01 第3998次
迭代 f(x_3998) =3.559098099770132e-05, x1 = 9.940344751168909e-01, x2 =
9.880986268269807e-01 第3999次迭代 f(x_3999) =3.552316095365580e-05, x1 =
9.940485665528646e-01, x2 = 9.881003655755397e-01 第4000次迭代 f(x_4000)
=3.545711121670425e-05, x1 = 9.940457903749900e-01, x2 = 9.881203259349060e-01 第4001次
迭代 f(x_4001) =3.539178675368283e-05, x1 = 9.940593826603624e-01, x2 =
9.881222989917301e-01 第4002次迭代 f(x_4002) =3.532367994245907e-05, x1 =
9.940569182410102e-01, x2 = 9.881432752502545e-01 第4003次迭代 f(x_4003)
=3.525635283229678e-05, x1 = 9.940709607982523e-01, x2 = 9.881450053383395e-01 第4004次
迭代 f(x_4004) =3.519082789982763e-05, x1 = 9.940681895052844e-01, x2 =
9.881648929395291e-01 第4005次迭代 f(x_4005) =3.512597149240851e-05, x1 =
9.940817362706663e-01, x2 = 9.881668557064753e-01 第4006次迭代 f(x_4006)
=3.505841728522404e-05, x1 = 9.940792737362625e-01, x2 = 9.881877562808509e-01 第4007次
迭代 f(x_4007) =3.499156263365500e-05, x1 = 9.940932710773848e-01, x2 =
9.881894759964437e-01 第4008次迭代 f(x_4008) =3.492657323570788e-05, x1 =
9.940905012949949e-01, x2 = 9.882092928034969e-01 第4009次迭代 f(x_4009)
=3.486216618713910e-05, x1 = 9.941040060180157e-01, x2 = 9.882112436612733e-01 第4010次
迭代 f(x_4010) =3.479517722531080e-05, x1 = 9.941015419637080e-01, x2 =
9.882320705477916e-01 第4011次迭代 f(x_4011) =3.472877496043337e-05, x1 =
9.941154977053995e-01, x2 = 9.882337782015497e-01 第4012次迭代 f(x_4012)
=3.466433154647474e-05, x1 = 9.941127261018381e-01, x2 = 9.882535261559519e-01 第4013次
迭代 f(x_4013) =3.460035551155254e-05, x1 = 9.941261922181184e-01, x2 =
9.882554635059714e-01 第4014次迭代 f(x_4014) =3.453394412861381e-05, x1 =
9.941237232804451e-01, x2 = 9.882762186788980e-01 第4015次迭代 f(x_4015)
=3.446797454302343e-05, x1 = 9.941376409973193e-01, x2 = 9.882779126022223e-01 第4016次
迭代 f(x_4016) =3.440408731526172e-05, x1 = 9.941348642797211e-01, x2 =
9.882975936247655e-01 第4017次迭代 f(x_4017) =3.434052426549631e-05, x1 =
9.941482951865008e-01, x2 = 9.882995158873238e-01 第4018次迭代 f(x_4018)
=3.427470252492484e-05, x1 = 9.941458180396805e-01, x2 = 9.883202013007685e-01 第4019次
迭代 f(x_4019) =3.420914623822265e-05, x1 = 9.941597012680270e-01, x2 =
9.883218798439195e-01 第4020次迭代 f(x_4020) =3.414582518374531e-05, x1 =
9.941569161788086e-01, x2 = 9.883414958365178e-01 第4021次迭代 f(x_4021)
=3.408265737375994e-05, x1 = 9.941703152384874e-01, x2 = 9.883434014490161e-01 第4022次
迭代 f(x_4022) =3.401743899764196e-05, x1 = 9.941678157142138e-01, x2 =
9.883641091475027e-01 第4023次迭代 f(x_4023) =3.395196349680915e-05, x1 =
9.941817333402693e-01, x2 = 9.883657378097811e-01 第4024次迭代 f(x_4024)
=3.388949194670418e-05, x1 = 9.941789204729714e-01, x2 = 9.883849990363265e-01 第4025次

迭代 $f(x_{4025}) = 3.382751486348225e-05$, $x_1 = 9.941921478791054e-01$, $x_2 = 9.883869836112638e-01$ 第4026次迭代 $f(x_{4026}) = 3.376244104742062e-05$, $x_1 = 9.941897386542322e-01$, $x_2 = 9.884074882793176e-01$ 第4027次迭代 $f(x_{4027}) = 3.369810701604894e-05$, $x_1 = 9.942034680068702e-01$, $x_2 = 9.884091791598437e-01$ 第4028次迭代 $f(x_{4028}) = 3.363554281793122e-05$, $x_1 = 9.942007490630125e-01$, $x_2 = 9.884286245256336e-01$ 第4029次迭代 $f(x_{4029}) = 3.357352550023876e-05$, $x_1 = 9.942140033634037e-01$, $x_2 = 9.884305380104950e-01$ 第4030次迭代 $f(x_{4030}) = 3.350907722835674e-05$, $x_1 = 9.942115760452487e-01$, $x_2 = 9.884509787272749e-01$ 第4031次迭代 $f(x_{4031}) = 3.344509899722587e-05$, $x_1 = 9.942252814175830e-01$, $x_2 = 9.884526493251895e-01$ 第4032次迭代 $f(x_{4032}) = 3.338313066027999e-05$, $x_1 = 9.942225444257583e-01$, $x_2 = 9.884720353115347e-01$ 第4033次迭代 $f(x_{4033}) = 3.332145598246310e-05$, $x_1 = 9.942357768654554e-01$, $x_2 = 9.884739275054109e-01$ 第4034次迭代 $f(x_{4034}) = 3.325764429025502e-05$, $x_1 = 9.942333282739878e-01$, $x_2 = 9.884943061469660e-01$ 第4035次迭代 $f(x_{4035}) = 3.319400373023261e-05$, $x_1 = 9.942470130539978e-01$, $x_2 = 9.884959548854694e-01$ 第4036次迭代 $f(x_{4036}) = 3.313264042267101e-05$, $x_1 = 9.942442548931348e-01$, $x_2 = 9.885152833211533e-01$ 第4037次迭代 $f(x_{4037}) = 3.307129172347958e-05$, $x_1 = 9.942574686996652e-01$, $x_2 = 9.885171527276184e-01$ 第4038次迭代 $f(x_{4038}) = 3.300813107463122e-05$, $x_1 = 9.942549848666711e-01$, $x_2 = 9.885375599599687e-01$ 第4039次迭代 $f(x_{4039}) = 3.294450487085137e-05$, $x_1 = 9.942687169688141e-01$, $x_2 = 9.885391528282074e-01$ 第4040次迭代 $f(x_{4040}) = 3.288401490420595e-05$, $x_1 = 9.942659188917213e-01$, $x_2 = 9.885581381475308e-01$ 第4041次迭代 $f(x_{4041}) = 3.282376940234986e-05$, $x_1 = 9.942789758525725e-01$, $x_2 = 9.885600791907070e-01$ 第4042次迭代 $f(x_{4042}) = 3.276080760075162e-05$, $x_1 = 9.942765683518417e-01$, $x_2 = 9.885802927937266e-01$ 第4043次迭代 $f(x_{4043}) = 3.269823081794477e-05$, $x_1 = 9.942901277386487e-01$, $x_2 = 9.885819405544370e-01$ 第4044次迭代 $f(x_{4044}) = 3.263770878888792e-05$, $x_1 = 9.942874094767862e-01$, $x_2 = 9.886011136354800e-01$ 第4045次迭代 $f(x_{4045}) = 3.257736584502551e-05$, $x_1 = 9.943005055718807e-01$, $x_2 = 9.886029783182434e-01$ 第4046次迭代 $f(x_{4046}) = 3.251507531522970e-05$, $x_1 = 9.942980567331348e-01$, $x_2 = 9.886232234971513e-01$ 第4047次迭代 $f(x_{4047}) = 3.245248305255789e-05$, $x_1 = 9.943116695123954e-01$, $x_2 = 9.886248125865756e-01$ 第4048次迭代 $f(x_{4048}) = 3.239285106356199e-05$, $x_1 = 9.943089051970886e-01$, $x_2 = 9.886436483757571e-01$ 第4049次迭代 $f(x_{4049}) = 3.233356457070942e-05$, $x_1 = 9.943218520355582e-01$, $x_2 = 9.886455809389481e-01$ 第4050次迭代 $f(x_{4050}) = 3.227150297070475e-05$, $x_1 = 9.943194723955654e-01$, $x_2 = 9.886656372492344e-01$ 第4051次迭代 $f(x_{4051}) = 3.220991209287246e-05$, $x_1 = 9.943329204356385e-01$, $x_2 = 9.886672774664980e-01$ 第4052次迭代 $f(x_{4052}) = 3.215027306346233e-05$, $x_1 = 9.943302291262927e-01$, $x_2 = 9.886863027267360e-01$ 第4053次迭代 $f(x_{4053}) = 3.209086470970537e-05$, $x_1 = 9.943432208537011e-01$, $x_2 = 9.886881564723456e-01$ 第4054次迭代 $f(x_{4054}) = 3.202949444907342e-05$, $x_1 = 9.943407938817631e-01$, $x_2 = 9.887082472921878e-01$ 第4055次迭代 $f(x_{4055}) = 3.196785876475610e-05$, $x_1 = 9.943543013082029e-01$, $x_2 = 9.887098260739782e-01$ 第4056次迭代 $f(x_{4056}) = 3.190912280777494e-05$, $x_1 = 9.943515580883574e-01$, $x_2 = 9.887285197047539e-01$ 第4057次迭代 $f(x_{4057}) = 3.185072783944827e-05$, $x_1 = 9.943644077989758e-01$, $x_2 = 9.887304377497808e-01$ 第4058次迭代 $f(x_{4058}) = 3.178961332586188e-05$, $x_1 = 9.943620432187800e-01$, $x_2 = 9.887503442882689e-01$ 第4059次迭代 $f(x_{4059}) = 3.172893429781731e-05$, $x_1 = 9.943753935224490e-01$, $x_2 = 9.887519706124135e-01$ 第4060次迭代 $f(x_{4060}) = 3.167021715677958e-05$, $x_1 = 9.943727166278349e-01$, $x_2 = 9.887708553716027e-01$ 第4061次迭代 $f(x_{4061}) = 3.161167559872332e-05$, $x_1 = 9.943856169278803e-01$, $x_2 = 9.887726921661271e-01$ 第4062次迭代 $f(x_{4062}) = 3.155127254487728e-05$, $x_1 =$

9.943831990991613e-01, x2 = 9.887926361090764e-01 第4063次迭代 f(x_4063)
=3.149051967137869e-05, x1 = 9.943966147314125e-01, x2 = 9.887941982579952e-01 第4064次
迭代 f(x_4064) =3.143271533988176e-05, x1 = 9.943938803192623e-01, x2 =
9.888127569033414e-01 第4065次迭代 f(x_4065) =3.137514742156165e-05, x1 =
9.944066455247299e-01, x2 = 9.888146545756606e-01 第4066次迭代 f(x_4066)
=3.131502403679581e-05, x1 = 9.944042835756474e-01, x2 = 9.888344186670414e-01 第4067次
迭代 f(x_4067) =3.125518604078095e-05, x1 = 9.944175493745444e-01, x2 =
9.888360249355328e-01 第4068次迭代 f(x_4068) =3.119742734172676e-05, x1 =
9.944148747104095e-01, x2 = 9.888547763271460e-01 第4069次迭代 f(x_4069)
=3.113968763617949e-05, x1 = 9.944276961741805e-01, x2 = 9.888565903289639e-01 第4070次
迭代 f(x_4070) =3.108029608701392e-05, x1 = 9.944252751132600e-01, x2 =
9.888763946930506e-01 第4071次迭代 f(x_4071) =3.102035528501653e-05, x1 =
9.944386121549552e-01, x2 = 9.888779340591086e-01 第4072次迭代 f(x_4072)
=3.096351616767614e-05, x1 = 9.944358745879731e-01, x2 = 9.888963647201066e-01 第4073次
迭代 f(x_4073) =3.090671335289524e-05, x1 = 9.944485675912764e-01, x2 =
9.888982363226458e-01 第4074次迭代 f(x_4074) =3.084762477159394e-05, x1 =
9.944461857989241e-01, x2 = 9.889179509096748e-01 第4075次迭代 f(x_4075)
=3.078827564324371e-05, x1 = 9.944594422808090e-01, x2 = 9.889194998210252e-01 第4076次
迭代 f(x_4076) =3.073175323500197e-05, x1 = 9.944567428046909e-01, x2 =
9.889378470693366e-01 第4077次迭代 f(x_4077) =3.067549336682419e-05, x1 =
9.944693610832112e-01, x2 = 9.889397252487777e-01 第4078次迭代 f(x_4078)
=3.061672174347620e-05, x1 = 9.944670254020074e-01, x2 = 9.889592666109492e-01 第4079次
迭代 f(x_4079) =3.055822431676181e-05, x1 = 9.944801430195104e-01, x2 =
9.889608544869138e-01 第4080次迭代 f(x_4080) =3.050178265434531e-05, x1 =
9.944774937476633e-01, x2 = 9.889793967716988e-01 第4081次迭代 f(x_4081)
=3.044531744600855e-05, x1 = 9.944901763723789e-01, x2 = 9.889811878527934e-01 第4082次
迭代 f(x_4082) =3.038730449771337e-05, x1 = 9.944877731690708e-01, x2 =
9.890007735976865e-01 第4083次迭代 f(x_4083) =3.032866441948380e-05, x1 =
9.945009704678790e-01, x2 = 9.890022906940847e-01 第4084次迭代 f(x_4084)
=3.027315586099141e-05, x1 = 9.944982502573286e-01, x2 = 9.890205202609024e-01 第4085次
迭代 f(x_4085) =3.021757080336157e-05, x1 = 9.945108144245086e-01, x2 =
9.890223640005674e-01 第4086次迭代 f(x_4086) =3.015989583046701e-05, x1 =
9.945084411337791e-01, x2 = 9.890418654653713e-01 第4087次迭代 f(x_4087)
=3.010179328353131e-05, x1 = 9.945215678395195e-01, x2 = 9.890433874553792e-01 第4088次
迭代 f(x_4088) =3.004662805378997e-05, x1 = 9.945188766850178e-01, x2 =
9.890615388791821e-01 第4089次迭代 f(x_4089) =2.999153863986853e-05, x1 =
9.945313754054543e-01, x2 = 9.890633848904149e-01 第4090次迭代 f(x_4090)
=2.993421413066482e-05, x1 = 9.945290288401273e-01, x2 = 9.890828039395356e-01 第4091次
迭代 f(x_4091) =2.987663037637743e-05, x1 = 9.945420883428308e-01, x2 =
9.890843292374266e-01 第4092次迭代 f(x_4092) =2.982181801294167e-05, x1 =
9.945394231677179e-01, x2 = 9.891024043053159e-01 第4093次迭代 f(x_4093)
=2.976720789075957e-05, x1 = 9.945518595961353e-01, x2 = 9.891042511207231e-01 第4094次
迭代 f(x_4094) =2.971024495596871e-05, x1 = 9.945495467399967e-01, x2 =
9.891235054354025e-01 第4095次迭代 f(x_4095) =2.965343447688467e-05, x1 =
9.945624813339365e-01, x2 = 9.891250631553673e-01 第4096次迭代 f(x_4096)
=2.959874854810001e-05, x1 = 9.945598540603738e-01, x2 = 9.891433361453892e-01 第4097次
迭代 f(x_4097) =2.954388995688824e-05, x1 = 9.945723652903986e-01, x2 =
9.891450914461170e-01 第4098次迭代 f(x_4098) =2.948771976475617e-05, x1 =
9.945699740535984e-01, x2 = 9.891643954460230e-01 第4099次迭代 f(x_4099)
=2.943071585949803e-05, x1 = 9.945829992480137e-01, x2 = 9.891658773779058e-01 第4100次

迭代 $f(x_{4100}) = 2.937697701756096e-05$, $x_1 = 9.945802908166476e-01$, $x_2 = 9.891838480114786e-01$ 第4101次迭代 $f(x_{4101}) = 2.932293319894309e-05$, $x_1 = 9.945926601116429e-01$, $x_2 = 9.891856444081956e-01$ 第4102次迭代 $f(x_{4102}) = 2.926673193331732e-05$, $x_1 = 9.945903851720425e-01$, $x_2 = 9.892047433916237e-01$ 第4103次迭代 $f(x_{4103}) = 2.921086618252435e-05$, $x_1 = 9.946032022002181e-01$, $x_2 = 9.892062997583694e-01$ 第4104次迭代 $f(x_{4104}) = 2.915693137176183e-05$, $x_1 = 9.946006121038347e-01$, $x_2 = 9.892244263634127e-01$ 第4105次迭代 $f(x_{4105}) = 2.910296856490759e-05$, $x_1 = 9.946130126178346e-01$, $x_2 = 9.892261769783796e-01$ 第4106次迭代 $f(x_{4106}) = 2.904757279907017e-05$, $x_1 = 9.946106542885449e-01$, $x_2 = 9.892453280880069e-01$ 第4107次迭代 $f(x_{4107}) = 2.899149223878809e-05$, $x_1 = 9.946235668986514e-01$, $x_2 = 9.892468063997591e-01$ 第4108次迭代 $f(x_{4108}) = 2.893851522593154e-05$, $x_1 = 9.946208905553878e-01$, $x_2 = 9.892646357903657e-01$ 第4109次迭代 $f(x_{4109}) = 2.888533003665919e-05$, $x_1 = 9.946331559178918e-01$, $x_2 = 9.892664243240030e-01$ 第4110次迭代 $f(x_{4110}) = 2.882993226661256e-05$, $x_1 = 9.946309070782061e-01$, $x_2 = 9.892853749466793e-01$ 第4111次迭代 $f(x_{4111}) = 2.877494487598136e-05$, $x_1 = 9.946436191271218e-01$, $x_2 = 9.892869241016478e-01$ 第4112次迭代 $f(x_{4112}) = 2.872179602969241e-05$, $x_1 = 9.946410546152527e-01$, $x_2 = 9.893049111142331e-01$ 第4113次迭代 $f(x_{4113}) = 2.866866806966819e-05$, $x_1 = 9.946533563986563e-01$, $x_2 = 9.893066514859603e-01$ 第4114次迭代 $f(x_{4114}) = 2.861408899073473e-05$, $x_1 = 9.946510191941640e-01$, $x_2 = 9.893256566589120e-01$ 第4115次迭代 $f(x_{4115}) = 2.855886528687003e-05$, $x_1 = 9.946638317966495e-01$, $x_2 = 9.893271254954167e-01$ 第4116次迭代 $f(x_{4116}) = 2.850668229955099e-05$, $x_1 = 9.946611761441631e-01$, $x_2 = 9.893448203173901e-01$ 第4117次迭代 $f(x_{4117}) = 2.845429723261093e-05$, $x_1 = 9.946733492662759e-01$, $x_2 = 9.893465955762552e-01$ 第4118次迭代 $f(x_{4118}) = 2.839974191122621e-05$, $x_1 = 9.946711150915529e-01$, $x_2 = 9.893654046083155e-01$ 第4119次迭代 $f(x_{4119}) = 2.834556973087062e-05$, $x_1 = 9.946837343590311e-01$, $x_2 = 9.893669408851421e-01$ 第4120次迭代 $f(x_{4120}) = 2.829323930416005e-05$, $x_1 = 9.946811842039993e-01$, $x_2 = 9.893847949063282e-01$ 第4121次迭代 $f(x_{4121}) = 2.824088811384138e-05$, $x_1 = 9.946933988812874e-01$, $x_2 = 9.893865196555806e-01$ 第4122次迭代 $f(x_{4122}) = 2.818716525029424e-05$, $x_1 = 9.946910713809858e-01$, $x_2 = 9.894053856549206e-01$ 第4123次迭代 $f(x_{4123}) = 2.813273498382452e-05$, $x_1 = 9.947037961829674e-01$, $x_2 = 9.894068393436725e-01$ 第4124次迭代 $f(x_{4124}) = 2.808137611091521e-05$, $x_1 = 9.947011501647525e-01$, $x_2 = 9.894244060921857e-01$ 第4125次迭代 $f(x_{4125}) = 2.802973525817361e-05$, $x_1 = 9.947132424041726e-01$, $x_2 = 9.894261628295006e-01$ 第4126次迭代 $f(x_{4126}) = 2.797605893613987e-05$, $x_1 = 9.947110117928354e-01$, $x_2 = 9.894448368650540e-01$ 第4127次迭代 $f(x_{4127}) = 2.792264156682441e-05$, $x_1 = 9.947235501368975e-01$, $x_2 = 9.894463547650332e-01$ 第4128次迭代 $f(x_{4128}) = 2.787116002664361e-05$, $x_1 = 9.947210034289939e-01$, $x_2 = 9.894640822281066e-01$ 第4129次迭代 $f(x_{4129}) = 2.781952996807905e-05$, $x_1 = 9.947331423099293e-01$, $x_2 = 9.894657861306915e-01$ 第4130次迭代 $f(x_{4130}) = 2.776670058288107e-05$, $x_1 = 9.947308134077392e-01$, $x_2 = 9.894845195529179e-01$ 第4131次迭代 $f(x_{4131}) = 2.771300294249021e-05$, $x_1 = 9.947434622950185e-01$, $x_2 = 9.894859525798042e-01$ 第4132次迭代 $f(x_{4132}) = 2.766249653865267e-05$, $x_1 = 9.947408151497207e-01$, $x_2 = 9.895033975938772e-01$ 第4133次迭代 $f(x_{4133}) = 2.761154619448668e-05$, $x_1 = 9.947528375742885e-01$, $x_2 = 9.895051307054251e-01$ 第4134次迭代 $f(x_{4134}) = 2.755878503872799e-05$, $x_1 = 9.947505899319468e-01$, $x_2 = 9.895237572381939e-01$ 第4135次迭代 $f(x_{4135}) = 2.750581108379252e-05$, $x_1 = 9.947631177680676e-01$, $x_2 = 9.895252218407610e-01$ 第4136次迭代 $f(x_{4136}) = 2.745542079635075e-05$, $x_1 = 9.947605497466918e-01$, $x_2 = 9.895425664852585e-01$ 第4137次迭代 $f(x_{4137}) = 2.740512228605136e-05$, $x_1 =$

9.947724944469811e-01, x2 = 9.895443321453780e-01 第4138次迭代 f(x_4138)
=2.735283069787108e-05, x1 = 9.947702391996907e-01, x2 = 9.895628965875412e-01 第4139次
迭代 f(x_4139) =2.730018457165409e-05, x1 = 9.947827365216405e-01, x2 =
9.895643474463961e-01 第4140次迭代 f(x_4140) =2.725023775383541e-05, x1 =
9.947801612520895e-01, x2 = 9.895816352510272e-01 第4141次迭代 f(x_4141)
=2.720025608347245e-05, x1 = 9.947920430795313e-01, x2 = 9.895833807875558e-01 第4142次
迭代 f(x_4142) =2.714806310852395e-05, x1 = 9.947898719894643e-01, x2 =
9.896017618184904e-01 第4143次迭代 f(x_4143) =2.709634776233143e-05, x1 =
9.948021971529446e-01, x2 = 9.896032701516368e-01 第4144次迭代 f(x_4144)
=2.704631945561517e-05, x1 = 9.947997091424223e-01, x2 = 9.896207215779648e-01 第4145次
迭代 f(x_4145) =2.699630775120728e-05, x1 = 9.948116470792847e-01, x2 =
9.896224099774956e-01 第4146次迭代 f(x_4146) =2.694498146735166e-05, x1 =
9.948093687204720e-01, x2 = 9.896408547574170e-01 第4147次迭代 f(x_4147)
=2.689295013943213e-05, x1 = 9.948218133747935e-01, x2 = 9.896422741784333e-01 第4148次
迭代 f(x_4148) =2.684391043260876e-05, x1 = 9.948192159380573e-01, x2 =
9.896594526606740e-01 第4149次迭代 f(x_4149) =2.679451516163784e-05, x1 =
9.948310496019674e-01, x2 = 9.896611645950797e-01 第4150次迭代 f(x_4150)
=2.674330247907746e-05, x1 = 9.948288501153170e-01, x2 = 9.896794296853950e-01 第4151次
迭代 f(x_4151) =2.669217125542332e-05, x1 = 9.948411285463482e-01, x2 =
9.896809038201012e-01 第4152次迭代 f(x_4152) =2.664307573876867e-05, x1 =
9.948386540823575e-01, x2 = 9.896979609568018e-01 第4153次迭代 f(x_4153)
=2.659448565768799e-05, x1 = 9.948503669946283e-01, x2 = 9.896997271634529e-01 第4154次
迭代 f(x_4154) =2.654352413808724e-05, x1 = 9.948482062612065e-01, x2 =
9.897179082944888e-01 第4155次迭代 f(x_4155) =2.649290689213528e-05, x1 =
9.948604078732249e-01, x2 = 9.897193923924773e-01 第4156次迭代 f(x_4156)
=2.644406886295392e-05, x1 = 9.948579301579318e-01, x2 = 9.897366561983488e-01 第4157次
迭代 f(x_4157) =2.639510652370091e-05, x1 = 9.948697520814660e-01, x2 =
9.897383167314827e-01 第4158次迭代 f(x_4158) =2.634502937649372e-05, x1 =
9.948674772403988e-01, x2 = 9.897565649365055e-01 第4159次迭代 f(x_4159)
=2.629406736383192e-05, x1 = 9.948798052321040e-01, x2 = 9.897579569999250e-01 第4160次
迭代 f(x_4160) =2.624622203716992e-05, x1 = 9.948772117221013e-01, x2 =
9.897749547518231e-01 第4161次迭代 f(x_4161) =2.619783386467693e-05, x1 =
9.948889378509234e-01, x2 = 9.897766348914107e-01 第4162次迭代 f(x_4162)
=2.614790119107742e-05, x1 = 9.948867239375281e-01, x2 = 9.897947881575535e-01 第4163次
迭代 f(x_4163) =2.609754764311180e-05, x1 = 9.948989525461902e-01, x2 =
9.897962016874235e-01 第4164次迭代 f(x_4164) =2.604987683368174e-05, x1 =
9.948964185071341e-01, x2 = 9.898131105354072e-01 第4165次迭代 f(x_4165)
=2.600204483086905e-05, x1 = 9.949080521513388e-01, x2 = 9.898148087278280e-01 第4166次
迭代 f(x_4166) =2.595227118340328e-05, x1 = 9.949059052710880e-01, x2 =
9.898327903570916e-01 第4167次迭代 f(x_4167) =2.590274349920830e-05, x1 =
9.949179810127053e-01, x2 = 9.898342523282297e-01 第4168次迭代 f(x_4168)
=2.585505469292747e-05, x1 = 9.949155171178213e-01, x2 = 9.898513287619800e-01 第4169次
迭代 f(x_4169) =2.580713341629752e-05, x1 = 9.949272207036461e-01, x2 =
9.898529635384840e-01 第4170次迭代 f(x_4170) =2.575825997217072e-05, x1 =
9.949249531488177e-01, x2 = 9.898710154309132e-01 第4171次迭代 f(x_4171)
=2.570836075915732e-05, x1 = 9.949371618775442e-01, x2 = 9.898723823828035e-01 第4172次
迭代 f(x_4172) =2.566166185154351e-05, x1 = 9.949346460121161e-01, x2 =
9.898887443304628e-01 第4173次迭代 f(x_4173) =2.561560196395467e-05, x1 =
9.949467757315391e-01, x2 = 9.898907093546886e-01 第4174次迭代 f(x_4174)
=2.557187310432151e-05, x1 = 9.949436694158901e-01, x2 = 9.899055608376529e-01 第4175次

迭代 $f(x_{4175}) = 2.552803220732087e-05$, $x_1 = 9.949555337783909e-01$, $x_2 = 9.899079847822344e-01$ 第4176次迭代 $f(x_{4176}) = 2.548492268613776e-05$, $x_1 = 9.949523921538223e-01$, $x_2 = 9.899221523398311e-01$ 第4177次迭代 $f(x_{4177}) = 2.544233365682059e-05$, $x_1 = 9.949640083820637e-01$, $x_2 = 9.899248960374097e-01$ 第4178次迭代 $f(x_{4178}) = 2.539937127595803e-05$, $x_1 = 9.949608713478518e-01$, $x_2 = 9.899390400188152e-01$ 第4179次迭代 $f(x_{4179}) = 2.535692472479340e-05$, $x_1 = 9.949724688201491e-01$, $x_2 = 9.899417787033946e-01$ 第4180次迭代 $f(x_{4180}) = 2.531410986141515e-05$, $x_1 = 9.949693359101718e-01$, $x_2 = 9.899558993788006e-01$ 第4181次迭代 $f(x_{4181}) = 2.527180442334231e-05$, $x_1 = 9.949809151161454e-01$, $x_2 = 9.899586328293331e-01$ 第4182次迭代 $f(x_{4182}) = 2.522913744683571e-05$, $x_1 = 9.949777858672135e-01$, $x_2 = 9.899727304673906e-01$ 第4183次迭代 $f(x_{4183}) = 2.518697176823856e-05$, $x_1 = 9.949893472935435e-01$, $x_2 = 9.899754584642663e-01$ 第4184次迭代 $f(x_{4184}) = 2.514445304057777e-05$, $x_1 = 9.949862212453109e-01$, $x_2 = 9.899895333321311e-01$ 第4185次迭代 $f(x_{4185}) = 2.510242577890670e-05$, $x_1 = 9.949977653758265e-01$, $x_2 = 9.899922556571331e-01$ 第4186次迭代 $f(x_{4186}) = 2.506005565499895e-05$, $x_1 = 9.949946420707019e-01$, $x_2 = 9.900063080205100e-01$ 第4187次迭代 $f(x_{4187}) = 2.501816547840701e-05$, $x_1 = 9.950061693864702e-01$, $x_2 = 9.900090244567703e-01$ 第4188次迭代 $f(x_{4188}) = 2.497594430644533e-05$, $x_1 = 9.950030483695276e-01$, $x_2 = 9.900230545799580e-01$ 第4189次迭代 $f(x_{4189}) = 2.493418989341939e-05$, $x_1 = 9.950145593489418e-01$, $x_2 = 9.900257649119127e-01$ 第4190次迭代 $f(x_{4190}) = 2.489211801521632e-05$, $x_1 = 9.950114401678349e-01$, $x_2 = 9.900397730578469e-01$ 第4191次迭代 $f(x_{4191}) = 2.485049805422516e-05$, $x_1 = 9.950229352866998e-01$, $x_2 = 9.900424770711940e-01$ 第4192次迭代 $f(x_{4192}) = 2.480857580555013e-05$, $x_1 = 9.950198174915759e-01$, $x_2 = 9.900564635014910e-01$ 第4193次迭代 $f(x_{4193}) = 2.476708899469338e-05$, $x_1 = 9.950312972231944e-01$, $x_2 = 9.900591609831465e-01$ 第4194次迭代 $f(x_{4194}) = 2.472531670560010e-05$, $x_1 = 9.950281803666085e-01$, $x_2 = 9.900731259581464e-01$ 第4195次迭代 $f(x_{4195}) = 2.468396175226110e-05$, $x_1 = 9.950396451818661e-01$, $x_2 = 9.900758166962020e-01$ 第4196次迭代 $f(x_{4196}) = 2.464233974741022e-05$, $x_1 = 9.950365288186980e-01$, $x_2 = 9.900897604750106e-01$ 第4197次迭代 $f(x_{4197}) = 2.460111536792078e-05$, $x_1 = 9.950479791861463e-01$, $x_2 = 9.900924442586923e-01$ 第4198次迭代 $f(x_{4198}) = 2.455964396690040e-05$, $x_1 = 9.950448628735165e-01$, $x_2 = 9.901063670992230e-01$ 第4199次迭代 $f(x_{4199}) = 2.451854888620326e-05$, $x_1 = 9.950562992594566e-01$, $x_2 = 9.901090437188483e-01$ 第4200次迭代 $f(x_{4200}) = 2.447722840383795e-05$, $x_1 = 9.950531825566448e-01$, $x_2 = 9.901229458778636e-01$ 第4201次迭代 $f(x_{4201}) = 2.443626135516069e-05$, $x_1 = 9.950646054252085e-01$, $x_2 = 9.901256151248021e-01$ 第4202次迭代 $f(x_{4202}) = 2.439509210182630e-05$, $x_1 = 9.950614878935716e-01$, $x_2 = 9.901394968579544e-01$ 第4203次迭代 $f(x_{4203}) = 2.435425182635538e-05$, $x_1 = 9.950728977068034e-01$, $x_2 = 9.901421585245859e-01$ 第4204次迭代 $f(x_{4204}) = 2.431323410827794e-05$, $x_1 = 9.950697789096953e-01$, $x_2 = 9.901560200864586e-01$ 第4205次迭代 $f(x_{4205}) = 2.427251935484085e-05$, $x_1 = 9.950811761276321e-01$, $x_2 = 9.901586739661328e-01$ 第4206次迭代 $f(x_{4206}) = 2.423165347440048e-05$, $x_1 = 9.950780556303235e-01$, $x_2 = 9.901725156102801e-01$ 第4207次迭代 $f(x_{4207}) = 2.419106299914858e-05$, $x_1 = 9.950894407110752e-01$, $x_2 = 9.901751614972774e-01$ 第4208次迭代 $f(x_{4208}) = 2.415034925517557e-05$, $x_1 = 9.950863180806740e-01$, $x_2 = 9.901889834762642e-01$ 第4209次迭代 $f(x_{4209}) = 2.410988182127456e-05$, $x_1 = 9.950976914805018e-01$, $x_2 = 9.901916211657554e-01$ 第4210次迭代 $f(x_{4210}) = 2.406932050933706e-05$, $x_1 = 9.950945662858761e-01$, $x_2 = 9.902054237311970e-01$ 第4211次迭代 $f(x_{4211}) = 2.402897488666295e-05$, $x_1 = 9.951059284592700e-01$, $x_2 = 9.902080530192049e-01$ 第4212次迭代 $f(x_{4212}) = 2.398856629936289e-05$, $x_1 =$

9.951028002709691e-01, x2 = 9.902218364218056e-01 第4213次迭代 f(x_4213)
=2.394834126419331e-05, x1 = 9.951141516707269e-01, x2 = 9.902244571051654e-01 第4214次
迭代 f(x_4214) =2.390808569144436e-05, x1 = 9.951110200609050e-01, x2 =
9.902382215947581e-01 第4215次迭代 f(x_4215) =2.386798002616333e-05, x1 =
9.951223611382077e-01, x2 = 9.902408334710795e-01 第4216次迭代 f(x_4216)
=2.382787775547745e-05, x1 = 9.951192256805479e-01, x2 = 9.902545792966629e-01 第4217次
迭代 f(x_4217) =2.378789024828124e-05, x1 = 9.951305568850359e-01, x2 =
9.902571821642920e-01 第4218次迭代 f(x_4218) =2.374794156504699e-05, x1 =
9.951274171546738e-01, x2 = 9.902709095740697e-01 第4219次迭代 f(x_4219)
=2.370807100964778e-05, x1 = 9.951387389345235e-01, x2 = 9.902735032320505e-01 第4220次
迭代 f(x_4220) =2.366827619740390e-05, x1 = 9.951355945079724e-01, x2 =
9.902872124734685e-01 第4221次迭代 f(x_4221) =2.362852139274324e-05, x1 =
9.951469073099701e-01, x2 = 9.902897967215063e-01 第4222次迭代 f(x_4222)
=2.358888073345120e-05, x1 = 9.951437577650469e-01, x2 = 9.903034880412904e-01 第4223次
迭代 f(x_4223) =2.354924048341182e-05, x1 = 9.951550620346631e-01, x2 =
9.903060626797140e-01 第4224次迭代 f(x_4224) =2.350975425772974e-05, x1 =
9.951519069504144e-01, x2 = 9.903197363239069e-01 第4225次迭代 f(x_4225)
=2.347022737085562e-05, x1 = 9.951632031318779e-01, x2 = 9.903223011536317e-01 第4226次
迭代 f(x_4226) =2.343089585840228e-05, x1 = 9.951600420885063e-01, x2 =
9.903359573676301e-01 第4227次迭代 f(x_4227) =2.339148114761374e-05, x1 =
9.951713306248769e-01, x2 = 9.903385121901219e-01 第4228次迭代 f(x_4228)
=2.335230462723786e-05, x1 = 9.951681632036684e-01, x2 = 9.903521512187130e-01 第4229次
迭代 f(x_4229) =2.331300090955567e-05, x1 = 9.951794445369107e-01, x2 =
9.903546958359510e-01 第4230次迭代 f(x_4230) =2.327397965959621e-05, x1 =
9.951762703201620e-01, x2 = 9.903683179233492e-01 第4231次迭代 f(x_4231)
=2.323478575586515e-05, x1 = 9.951875448912159e-01, x2 = 9.903708521377901e-01 第4232次
迭代 f(x_4232) =2.319592005441135e-05, x1 = 9.951843634621641e-01, x2 =
9.903844575276725e-01 第4233次迭代 f(x_4233) =2.315683478902773e-05, x1 =
9.951956317110174e-01, x2 = 9.903869811422149e-01 第4234次迭代 f(x_4234)
=2.311812491418430e-05, x1 = 9.951924426537668e-01, x2 = 9.904005700777577e-01 第4235次
迭代 f(x_4235) =2.307914711482308e-05, x1 = 9.952037050195269e-01, x2 =
9.904030828957060e-01 第4236次迭代 f(x_4236) =2.304059334495971e-05, x1 =
9.952005079189792e-01, x2 = 9.904166556196204e-01 第4237次迭代 f(x_4237)
=2.300172184230450e-05, x1 = 9.952117648399424e-01, x2 = 9.904191574446496e-01 第4238次
迭代 f(x_4238) =2.296332315337743e-05, x1 = 9.952086659303307e-01, x2 =
9.904322631673327e-01 第4239次迭代 f(x_4239) =2.292532962477166e-05, x1 =
9.952198982716581e-01, x2 = 9.904350856017231e-01 第4240次迭代 f(x_4240)
=2.288752479065126e-05, x1 = 9.952165108140179e-01, x2 = 9.904483165672906e-01 第4241次
迭代 f(x_4241) =2.284918378271222e-05, x1 = 9.952275845782009e-01, x2 =
9.904508831718581e-01 第4242次迭代 f(x_4242) =2.281077227080896e-05, x1 =
9.952245347855555e-01, x2 = 9.904643219863202e-01 第4243次迭代 f(x_4243)
=2.277253417937535e-05, x1 = 9.952356043770355e-01, x2 = 9.904668770289887e-01 第4244次
迭代 f(x_4244) =2.273427973757594e-05, x1 = 9.952325449308576e-01, x2 =
9.904803005767533e-01 第4245次迭代 f(x_4245) =2.269614343724502e-05, x1 =
9.952436107761414e-01, x2 = 9.904828438669684e-01 第4246次迭代 f(x_4246)
=2.265804631449030e-05, x1 = 9.952405412735139e-01, x2 = 9.904962523843137e-01 第4247次
迭代 f(x_4247) =2.262001068152765e-05, x1 = 9.952516037986552e-01, x2 =
9.904987837317127e-01 第4248次迭代 f(x_4248) =2.258207112854271e-05, x1 =
9.952485238370331e-01, x2 = 9.905121774546655e-01 第4249次迭代 f(x_4249)
=2.254413504062847e-05, x1 = 9.952595834676992e-01, x2 = 9.905146966690441e-01 第4250次

迭代 $f(x_{4250}) = 2.250635331015994e-05$, $x_1 = 9.952564926448432e-01$, $x_2 = 9.905280758334132e-01$ 第4251次迭代 $f(x_{4251}) = 2.246851564614548e-05$, $x_1 = 9.952675498063813e-01$, $x_2 = 9.905305827246917e-01$ 第4252次迭代 $f(x_{4252}) = 2.243089199319794e-05$, $x_1 = 9.952644477202913e-01$, $x_2 = 9.905439475661020e-01$ 第4253次迭代 $f(x_{4253}) = 2.239315163284937e-05$, $x_1 = 9.952755028377959e-01$, $x_2 = 9.905464419442926e-01$ 第4254次迭代 $f(x_{4254}) = 2.235568631492839e-05$, $x_1 = 9.952723890866444e-01$, $x_2 = 9.905597926982175e-01$ 第4255次迭代 $f(x_{4255}) = 2.231804213868556e-05$, $x_1 = 9.952834425850224e-01$, $x_2 = 9.905622743733904e-01$ 第4256次迭代 $f(x_{4256}) = 2.228073541603273e-05$, $x_1 = 9.952803167670884e-01$, $x_2 = 9.905756112751860e-01$ 第4257次迭代 $f(x_{4257}) = 2.224318630475385e-05$, $x_1 = 9.952913690711269e-01$, $x_2 = 9.905780800574365e-01$ 第4258次迭代 $f(x_{4258}) = 2.220603844058147e-05$, $x_1 = 9.952882307847303e-01$, $x_2 = 9.905914033423745e-01$ 第4259次迭代 $f(x_{4259}) = 2.216858327530201e-05$, $x_1 = 9.952992823191609e-01$, $x_2 = 9.905938590417905e-01$ 第4260次迭代 $f(x_{4260}) = 2.213159144866170e-05$, $x_1 = 9.952962360012638e-01$, $x_2 = 9.906067261259244e-01$ 第4261次迭代 $f(x_{4261}) = 2.209497645877162e-05$, $x_1 = 9.953072679019961e-01$, $x_2 = 9.906094942949876e-01$ 第4262次迭代 $f(x_{4262}) = 2.205856474774885e-05$, $x_1 = 9.953039337150659e-01$, $x_2 = 9.906224866303394e-01$ 第4263次迭代 $f(x_{4263}) = 2.202160452225228e-05$, $x_1 = 9.953148143080394e-01$, $x_2 = 9.906250014783871e-01$ 第4264次迭代 $f(x_{4264}) = 2.198461765892263e-05$, $x_1 = 9.953118072769213e-01$, $x_2 = 9.906382000249866e-01$ 第4265次迭代 $f(x_{4265}) = 2.194774849282536e-05$, $x_1 = 9.953226882378741e-01$, $x_2 = 9.906407012875256e-01$ 第4266次迭代 $f(x_{4266}) = 2.191092106091648e-05$, $x_1 = 9.953196672724374e-01$, $x_2 = 9.906538870869759e-01$ 第4267次迭代 $f(x_{4267}) = 2.187414186694014e-05$, $x_1 = 9.953305490175016e-01$, $x_2 = 9.906563745782657e-01$ 第4268次迭代 $f(x_{4268}) = 2.183747411436368e-05$, $x_1 = 9.953275137243285e-01$, $x_2 = 9.906695478613792e-01$ 第4269次迭代 $f(x_{4269}) = 2.180078380426534e-05$, $x_1 = 9.953383966699004e-01$, $x_2 = 9.906720213955118e-01$ 第4270次迭代 $f(x_{4270}) = 2.176427598321293e-05$, $x_1 = 9.953353466552312e-01$, $x_2 = 9.906851823932088e-01$ 第4271次迭代 $f(x_{4271}) = 2.172767346755008e-05$, $x_1 = 9.953462312180346e-01$, $x_2 = 9.906876417840773e-01$ 第4272次迭代 $f(x_{4272}) = 2.169132583472542e-05$, $x_1 = 9.953431660877031e-01$, $x_2 = 9.907007907274190e-01$ 第4273次迭代 $f(x_{4273}) = 2.165481002261406e-05$, $x_1 = 9.953540526848532e-01$, $x_2 = 9.907032357886848e-01$ 第4274次迭代 $f(x_{4274}) = 2.161862283946387e-05$, $x_1 = 9.953509720442243e-01$, $x_2 = 9.907163729089041e-01$ 第4275次迭代 $f(x_{4275}) = 2.158219263833917e-05$, $x_1 = 9.953618610932912e-01$, $x_2 = 9.907188034539660e-01$ 第4276次迭代 $f(x_{4276}) = 2.154616617127836e-05$, $x_1 = 9.953587645471974e-01$, $x_2 = 9.907319289825003e-01$ 第4277次迭代 $f(x_{4277}) = 2.150982048665741e-05$, $x_1 = 9.953696564662685e-01$, $x_2 = 9.907343448244627e-01$ 第4278次迭代 $f(x_{4278}) = 2.147394852667919e-05$, $x_1 = 9.953666471830692e-01$, $x_2 = 9.907470226858950e-01$ 第4279次迭代 $f(x_{4279}) = 2.143841605454267e-05$, $x_1 = 9.953775232288959e-01$, $x_2 = 9.907497445619872e-01$ 第4280次迭代 $f(x_{4280}) = 2.140310687437029e-05$, $x_1 = 9.953744102812822e-01$, $x_2 = 9.907618341441004e-01$ 第4281次迭代 $f(x_{4281}) = 2.136822010791712e-05$, $x_1 = 9.953854483368166e-01$, $x_2 = 9.907649633745221e-01$ 第4282次迭代 $f(x_{4282}) = 2.133351353393024e-05$, $x_1 = 9.953820110868347e-01$, $x_2 = 9.907765776293656e-01$ 第4283次迭代 $f(x_{4283}) = 2.129893160694677e-05$, $x_1 = 9.953931170232282e-01$, $x_2 = 9.907799690841881e-01$ 第4284次迭代 $f(x_{4284}) = 2.126446014024109e-05$, $x_1 = 9.953894673704121e-01$, $x_2 = 9.907915609862008e-01$ 第4285次迭代 $f(x_{4285}) = 2.122994759897503e-05$, $x_1 = 9.954002646186578e-01$, $x_2 = 9.907947828960023e-01$ 第4286次迭代 $f(x_{4286}) = 2.119532118797502e-05$, $x_1 = 9.953969611576536e-01$, $x_2 = 9.908065343832063e-01$ 第4287次迭代 $f(x_{4287}) = 2.116090022215176e-05$, $x_1 =$

9.954077711586757e-01, x2 = 9.908097358108460e-01 第4288次迭代 f(x_4288)
=2.112640947508760e-05, x1 = 9.954044424154884e-01, x2 = 9.908214834391182e-01 第4289次
迭代 f(x_4289)=2.109207942604920e-05, x1 = 9.954152655810953e-01, x2 =
9.908246642015843e-01 第4290次迭代 f(x_4290)=2.105772427320606e-05, x1 =
9.954119111632039e-01, x2 = 9.908364081948771e-01 第4291次迭代 f(x_4291)
=2.102348447975939e-05, x1 = 9.954227479074456e-01, x2 = 9.908395681079987e-01 第4292次
迭代 f(x_4292)=2.098926485681739e-05, x1 = 9.954193674200202e-01, x2 =
9.908513086913709e-01 第4293次迭代 f(x_4293)=2.095511465512778e-05, x1 =
9.954302181592487e-01, x2 = 9.908544475697884e-01 第4294次迭代 f(x_4294)
=2.092103050326967e-05, x1 = 9.954268112050889e-01, x2 = 9.908661849694375e-01 第4295次
迭代 f(x_4295)=2.088696922674716e-05, x1 = 9.954376763580202e-01, x2 =
9.908693026265707e-01 第4296次迭代 f(x_4296)=2.085302049277118e-05, x1 =
9.954342425374932e-01, x2 = 9.908810370698625e-01 第4297次迭代 f(x_4297)
=2.081904747195658e-05, x1 = 9.954451225252691e-01, x2 = 9.908841333178809e-01 第4298次
迭代 f(x_4298)=2.078523257732167e-05, x1 = 9.954417424942238e-01, x2 =
9.908955902790770e-01 第4299次迭代 f(x_4299)=2.075155022748274e-05, x1 =
9.954526924516152e-01, x2 = 9.908989438590603e-01 第4300次迭代 f(x_4300)
=2.071796673586254e-05, x1 = 9.954491002253391e-01, x2 = 9.909103800334985e-01 第4301次
迭代 f(x_4301)=2.068435352624777e-05, x1 = 9.954597485452040e-01, x2 =
9.909135647397727e-01 第4302次迭代 f(x_4302)=2.065061815152964e-05, x1 =
9.954564949042096e-01, x2 = 9.909251599972696e-01 第4303次迭代 f(x_4303)
=2.061709223352233e-05, x1 = 9.954671585720585e-01, x2 = 9.909283231055105e-01 第4304次
迭代 f(x_4304)=2.058349097940339e-05, x1 = 9.954638772137407e-01, x2 =
9.909399159414647e-01 第4305次迭代 f(x_4305)=2.055005169492068e-05, x1 =
9.954745566462361e-01, x2 = 9.909430572659444e-01 第4306次迭代 f(x_4306)
=2.051658451271518e-05, x1 = 9.954712471727252e-01, x2 = 9.909546479065934e-01 第4307次
迭代 f(x_4307)=2.048323120052828e-05, x1 = 9.954819427891731e-01, x2 =
9.909577672602246e-01 第4308次迭代 f(x_4308)=2.044989804752150e-05, x1 =
9.954786047998870e-01, x2 = 9.909693559331155e-01 第4309次迭代 f(x_4309)
=2.041663004314023e-05, x1 = 9.954893170223004e-01, x2 = 9.909724531274192e-01 第4310次
迭代 f(x_4310)=2.038343088270016e-05, x1 = 9.954859501138825e-01, x2 =
9.909840400614409e-01 第4311次迭代 f(x_4311)=2.035024751825499e-05, x1 =
9.954966793670429e-01, x2 = 9.909871149065159e-01 第4312次迭代 f(x_4312)
=2.031718231995318e-05, x1 = 9.954932831332991e-01, x2 = 9.909987003319296e-01 第4313次
迭代 f(x_4313)=2.028408292407184e-05, x1 = 9.955040298448201e-01, x2 =
9.910017526364207e-01 第4314次迭代 f(x_4314)=2.025114786388719e-05, x1 =
9.955006841121077e-01, x2 = 9.910130654865761e-01 第4315次迭代 f(x_4315)
=2.021833332898297e-05, x1 = 9.955115026352742e-01, x2 = 9.910163704049789e-01 第4316次
迭代 f(x_4316)=2.018562403339193e-05, x1 = 9.955080574117854e-01, x2 =
9.910273058165090e-01 第4317次迭代 f(x_4317)=2.015299842963094e-05, x1 =
9.955190930966403e-01, x2 = 9.910309752067600e-01 第4318次迭代 f(x_4318)
=2.012039198062960e-05, x1 = 9.955154096764535e-01, x2 = 9.910415279193983e-01 第4319次
迭代 f(x_4319)=2.008778798691791e-05, x1 = 9.955265533814367e-01, x2 =
9.910455389048966e-01 第4320次迭代 f(x_4320)=2.005517858321688e-05, x1 =
9.955227539006369e-01, x2 = 9.910558345067165e-01 第4321次迭代 f(x_4321)
=2.002250457747273e-05, x1 = 9.955338578520421e-01, x2 = 9.910600797274622e-01 第4322次
迭代 f(x_4322)=1.998997739334649e-05, x1 = 9.955300288570639e-01, x2 =
9.910703763818840e-01 第4323次迭代 f(x_4323)=1.995743589117389e-05, x1 =
9.955411505881293e-01, x2 = 9.910745966822057e-01 第4324次迭代 f(x_4324)
=1.992499026149685e-05, x1 = 9.955372916694822e-01, x2 = 9.910848946169982e-01 第4325次

迭代 $f(x_{4325}) = 1.989258124650981e-05$, $x_1 = 9.955484316112850e-01$, $x_2 = 9.910890898074477e-01$ 第4326次迭代 $f(x_{4326}) = 1.986021650221570e-05$, $x_1 = 9.955445423563059e-01$, $x_2 = 9.910993892519280e-01$ 第4327次迭代 $f(x_{4327}) = 1.982793996476428e-05$, $x_1 = 9.955557009430971e-01$, $x_2 = 9.911035591414257e-01$ 第4328次迭代 $f(x_{4328}) = 1.979565543272033e-05$, $x_1 = 9.955517809358838e-01$, $x_2 = 9.911138603264915e-01$ 第4329次迭代 $f(x_{4329}) = 1.976351105446961e-05$, $x_1 = 9.955626968264957e-01$, $x_2 = 9.911179076614172e-01$ 第4330次迭代 $f(x_{4330}) = 1.973149762616344e-05$, $x_1 = 9.955589315417489e-01$, $x_2 = 9.911284163441475e-01$ 第4331次迭代 $f(x_{4331}) = 1.969957611814640e-05$, $x_1 = 9.955699601091231e-01$, $x_2 = 9.911322832847941e-01$ 第4332次迭代 $f(x_{4332}) = 1.966762579247220e-05$, $x_1 = 9.955662336161256e-01$, $x_2 = 9.911424604011317e-01$ 第4333次迭代 $f(x_{4333}) = 1.963556294320918e-05$, $x_1 = 9.955771941691322e-01$, $x_2 = 9.911466820735151e-01$ 第4334次迭代 $f(x_{4334}) = 1.960369205604436e-05$, $x_1 = 9.955734365922024e-01$, $x_2 = 9.911568611643684e-01$ 第4335次迭代 $f(x_{4335}) = 1.957176035651592e-05$, $x_1 = 9.955844166155924e-01$, $x_2 = 9.911610572266734e-01$ 第4336次迭代 $f(x_{4336}) = 1.953996824290707e-05$, $x_1 = 9.955806275406135e-01$, $x_2 = 9.911712385218825e-01$ 第4337次迭代 $f(x_{4337}) = 1.950816769177916e-05$, $x_1 = 9.955916274700365e-01$, $x_2 = 9.911754087821233e-01$ 第4338次迭代 $f(x_{4338}) = 1.947645368242944e-05$, $x_1 = 9.955878064794426e-01$, $x_2 = 9.911855925132148e-01$ 第4339次迭代 $f(x_{4339}) = 1.944478428549159e-05$, $x_1 = 9.955988267540000e-01$, $x_2 = 9.911897367776352e-01$ 第4340次迭代 $f(x_{4340}) = 1.941314770662446e-05$, $x_1 = 9.955949734267080e-01$, $x_2 = 9.911999231778565e-01$ 第4341次迭代 $f(x_{4341}) = 1.938160947691518e-05$, $x_1 = 9.956060144890204e-01$, $x_2 = 9.912040412508966e-01$ 第4342次迭代 $f(x_{4342}) = 1.935004965014083e-05$, $x_1 = 9.956021284003640e-01$, $x_2 = 9.912142305552490e-01$ 第4343次迭代 $f(x_{4343}) = 1.931863959265211e-05$, $x_1 = 9.956129316199922e-01$, $x_2 = 9.912182264131282e-01$ 第4344次迭代 $f(x_{4344}) = 1.928734738050386e-05$, $x_1 = 9.956091962136431e-01$, $x_2 = 9.912286220049554e-01$ 第4345次迭代 $f(x_{4345}) = 1.925615452159688e-05$, $x_1 = 9.956197669436059e-01$, $x_2 = 9.912323171295512e-01$ 第4346次迭代 $f(x_{4346}) = 1.922504235464141e-05$, $x_1 = 9.956161848487394e-01$, $x_2 = 9.912430980838848e-01$ 第4347次迭代 $f(x_{4347}) = 1.919394553260788e-05$, $x_1 = 9.956265999648972e-01$, $x_2 = 9.912463809095542e-01$ 第4348次迭代 $f(x_{4348}) = 1.916285749913427e-05$, $x_1 = 9.956232171518272e-01$, $x_2 = 9.912574484195747e-01$ 第4349次迭代 $f(x_{4349}) = 1.913175289237372e-05$, $x_1 = 9.956335035307724e-01$, $x_2 = 9.912604879124530e-01$ 第4350次迭代 $f(x_{4350}) = 1.910060250361744e-05$, $x_1 = 9.956303225817236e-01$, $x_2 = 9.912716635003682e-01$ 第4351次迭代 $f(x_{4351}) = 1.906957311161886e-05$, $x_1 = 9.956406317273214e-01$, $x_2 = 9.912746782175916e-01$ 第4352次迭代 $f(x_{4352}) = 1.903855241961923e-05$, $x_1 = 9.956374161014018e-01$, $x_2 = 9.912858555038876e-01$ 第4353次迭代 $f(x_{4353}) = 1.900759756687125e-05$, $x_1 = 9.956477484590137e-01$, $x_2 = 9.912888452445173e-01$ 第4354次迭代 $f(x_{4354}) = 1.897670660248711e-05$, $x_1 = 9.956444977281976e-01$, $x_2 = 9.913000244693952e-01$ 第4355次迭代 $f(x_{4355}) = 1.894582560842063e-05$, $x_1 = 9.956548537470282e-01$, $x_2 = 9.913029890305334e-01$ 第4356次迭代 $f(x_{4356}) = 1.891506441032633e-05$, $x_1 = 9.956515674793763e-01$, $x_2 = 9.913141704361080e-01$ 第4357次迭代 $f(x_{4357}) = 1.888425658917026e-05$, $x_1 = 9.956619476125437e-01$, $x_2 = 9.913171096128621e-01$ 第4358次迭代 $f(x_{4358}) = 1.885361772005047e-05$, $x_1 = 9.956587031783015e-01$, $x_2 = 9.913280315202482e-01$ 第4359次迭代 $f(x_{4359}) = 1.882307647104550e-05$, $x_1 = 9.956691597786274e-01$, $x_2 = 9.913312108066756e-01$ 第4360次迭代 $f(x_{4360}) = 1.879264258110758e-05$, $x_1 = 9.956658126083979e-01$, $x_2 = 9.913417719739142e-01$ 第4361次迭代 $f(x_{4361}) = 1.876228767882471e-05$, $x_1 = 9.956764860558578e-01$, $x_2 = 9.913452992148863e-01$ 第4362次迭代 $f(x_{4362}) = 1.873193635086721e-05$, $x_1 =$

9.956729020853110e-01, x2 = 9.913554946820378e-01 第4363次迭代 f(x_4363)
=1.870161489328448e-05, x1 = 9.956836867727168e-01, x2 = 9.913593479583142e-01 第4364次
迭代 f(x_4364) =1.867124660078209e-05, x1 = 9.956799839400108e-01, x2 =
9.913692988368042e-01 第4365次迭代 f(x_4365) =1.86408703336327e-05, x1 =
9.956907367897336e-01, x2 = 9.913733748234862e-01 第4366次迭代 f(x_4366)
=1.861057368710892e-05, x1 = 9.956869983114894e-01, x2 = 9.913833303154318e-01 第4367次
迭代 f(x_4367) =1.858032581390769e-05, x1 = 9.956977755173960e-01, x2 =
9.913873786569921e-01 第4368次迭代 f(x_4368) =1.855010012799092e-05, x1 =
9.956940009530142e-01, x2 = 9.913973390048553e-01 第4369次迭代 f(x_4369)
=1.851998070899093e-05, x1 = 9.957048029771451e-01, x2 = 9.914013594954403e-01 第4370次
迭代 f(x_4370) =1.848982529179891e-05, x1 = 9.957009918817628e-01, x2 =
9.914113249437787e-01 第4371次迭代 f(x_4371) =1.845982809579868e-05, x1 =
9.957115656171429e-01, x2 = 9.914152238734492e-01 第4372次迭代 f(x_4372)
=1.842993076660397e-05, x1 = 9.957078973676975e-01, x2 = 9.914253931848116e-01 第4373次
迭代 f(x_4373) =1.840013629785042e-05, x1 = 9.957182480263587e-01, x2 =
9.914289960761947e-01 第4374次迭代 f(x_4374) =1.837041962875176e-05, x1 =
9.957147250377176e-01, x2 = 9.914395443604817e-01 第4375次迭代 f(x_4375)
=1.834070674701200e-05, x1 = 9.957249279910770e-01, x2 = 9.914427420543573e-01 第4376次
迭代 f(x_4376) =1.831102299240813e-05, x1 = 9.957215954389862e-01, x2 =
9.914535726161107e-01 第4377次迭代 f(x_4377) =1.828129252787363e-05, x1 =
9.957316768546093e-01, x2 = 9.914565303160521e-01 第4378次迭代 f(x_4378)
=1.825155634978852e-05, x1 = 9.957285376341046e-01, x2 = 9.914674685213276e-01 第4379次
迭代 f(x_4379) =1.822189471958422e-05, x1 = 9.957386457792228e-01, x2 =
9.914703997651944e-01 第4380次迭代 f(x_4380) =1.819228561573351e-05, x1 =
9.957354681746097e-01, x2 = 9.914813418830185e-01 第4381次迭代 f(x_4381)
=1.816269212736130e-05, x1 = 9.957456035172185e-01, x2 = 9.914842464580604e-01 第4382次
迭代 f(x_4382) =1.813321017995990e-05, x1 = 9.957423870770075e-01, x2 =
9.914951927397462e-01 第4383次迭代 f(x_4383) =1.810368413472431e-05, x1 =
9.957525500896393e-01, x2 = 9.914980704309075e-01 第4384次迭代 f(x_4384)
=1.807432147316427e-05, x1 = 9.957493706062858e-01, x2 = 9.915087646669657e-01 第4385次
迭代 f(x_4385) =1.804504963833281e-05, x1 = 9.957596125619146e-01, x2 =
9.915118753929477e-01 第4386次迭代 f(x_4386) =1.801588289904624e-05, x1 =
9.957563286338699e-01, x2 = 9.915222183902798e-01 第4387次迭代 f(x_4387)
=1.798679243379281e-05, x1 = 9.957667870007065e-01, x2 = 9.915256677241620e-01 第4388次
迭代 f(x_4388) =1.795770049384847e-05, x1 = 9.957632673232460e-01, x2 =
9.915356546467710e-01 第4389次迭代 f(x_4389) =1.792864032526245e-05, x1 =
9.957737181007686e-01, x2 = 9.915393782401947e-01 第4390次迭代 f(x_4390)
=1.789960808708025e-05, x1 = 9.957700998225291e-01, x2 = 9.915494011449419e-01 第4391次
迭代 f(x_4391) =1.787067722290395e-05, x1 = 9.957803043154216e-01, x2 =
9.915529496726158e-01 第4392次迭代 f(x_4392) =1.784182229318069e-05, x1 =
9.957768263617789e-01, x2 = 9.915633474556268e-01 第4393次迭代 f(x_4393)
=1.781296772045893e-05, x1 = 9.957868879926601e-01, x2 = 9.915664953304730e-01 第4394次
迭代 f(x_4394) =1.778414820437572e-05, x1 = 9.957835949527118e-01, x2 =
9.915771726696538e-01 第4395次迭代 f(x_4395) =1.775527255965590e-05, x1 =
9.957935394944349e-01, x2 = 9.915800826984617e-01 第4396次迭代 f(x_4396)
=1.772640532454791e-05, x1 = 9.957904343743613e-01, x2 = 9.915908674248490e-01 第4397次
迭代 f(x_4397) =1.769759470291123e-05, x1 = 9.958004080194546e-01, x2 =
9.915937500005446e-01 第4398次迭代 f(x_4398) =1.766885279324712e-05, x1 =
9.957972623014449e-01, x2 = 9.916045399731760e-01 第4399次迭代 f(x_4399)
=1.764010649023397e-05, x1 = 9.958072655338382e-01, x2 = 9.916073948747286e-01 第4400次

迭代 $f(x_{4400}) = 1.761148788699355e-05$, $x_1 = 9.958041533837515e-01$, $x_2 = 9.916179375249382e-01$ 第4401次迭代 $f(x_{4401}) = 1.758297929257243e-05$, $x_1 = 9.958142370853590e-01$, $x_2 = 9.916210211728275e-01$ 第4402次迭代 $f(x_{4402}) = 1.755456119575212e-05$, $x_1 = 9.958110193107073e-01$, $x_2 = 9.916312183968822e-01$ 第4403次迭代 $f(x_{4403}) = 1.752621752306113e-05$, $x_1 = 9.958213189149991e-01$, $x_2 = 9.916346351303420e-01$ 第4404次迭代 $f(x_{4404}) = 1.749788259444437e-05$, $x_1 = 9.958178663000342e-01$, $x_2 = 9.916444819556387e-01$ 第4405次迭代 $f(x_{4405}) = 1.746956789310481e-05$, $x_1 = 9.958282798969731e-01$, $x_2 = 9.916482105135416e-01$ 第4406次迭代 $f(x_{4406}) = 1.744121666951340e-05$, $x_1 = 9.958247062490836e-01$, $x_2 = 9.916578240667366e-01$ 第4407次迭代 $f(x_{4407}) = 1.741285333719879e-05$, $x_1 = 9.958350955247406e-01$, $x_2 = 9.916617646152956e-01$ 第4408次迭代 $f(x_{4408}) = 1.738456502242695e-05$, $x_1 = 9.958314811840313e-01$, $x_2 = 9.916713857594471e-01$ 第4409次迭代 $f(x_{4409}) = 1.735632580614557e-05$, $x_1 = 9.958419002760738e-01$, $x_2 = 9.916752964523802e-01$ 第4410次迭代 $f(x_{4410}) = 1.732809969009373e-05$, $x_1 = 9.958382447662960e-01$, $x_2 = 9.916849254469938e-01$ 第4411次迭代 $f(x_{4411}) = 1.729998472369190e-05$, $x_1 = 9.958486941722862e-01$, $x_2 = 9.916888060598282e-01$ 第4412次迭代 $f(x_{4412}) = 1.727182008890676e-05$, $x_1 = 9.958449970119171e-01$, $x_2 = 9.916984431670128e-01$ 第4413次迭代 $f(x_{4413}) = 1.724381974201138e-05$, $x_1 = 9.958552317900961e-01$, $x_2 = 9.917022032992439e-01$ 第4414次迭代 $f(x_{4414}) = 1.721589825491438e-05$, $x_1 = 9.958516663844049e-01$, $x_2 = 9.917120405767351e-01$ 第4415次迭代 $f(x_{4415}) = 1.718808200298747e-05$, $x_1 = 9.958616915130962e-01$, $x_2 = 9.917155116494668e-01$ 第4416次迭代 $f(x_{4416}) = 1.716033936336340e-05$, $x_1 = 9.958582600030573e-01$, $x_2 = 9.917257184138327e-01$ 第4417次迭代 $f(x_{4417}) = 1.713258704796550e-05$, $x_1 = 9.958681485990515e-01$, $x_2 = 9.917287948038831e-01$ 第4418次迭代 $f(x_{4418}) = 1.710487875017715e-05$, $x_1 = 9.958649320246639e-01$, $x_2 = 9.917391579729234e-01$ 第4419次迭代 $f(x_{4419}) = 1.707718190071709e-05$, $x_1 = 9.958749108770908e-01$, $x_2 = 9.917421760730187e-01$ 第4420次迭代 $f(x_{4420}) = 1.704959204238065e-05$, $x_1 = 9.958716975108143e-01$, $x_2 = 9.917522460777775e-01$ 第4421次迭代 $f(x_{4421}) = 1.702207512622000e-05$, $x_1 = 9.958818920407339e-01$, $x_2 = 9.917555909638812e-01$ 第4422次迭代 $f(x_{4422}) = 1.699454603045329e-05$, $x_1 = 9.958784444149079e-01$, $x_2 = 9.917653170845193e-01$ 第4423次迭代 $f(x_{4423}) = 1.696706495507696e-05$, $x_1 = 9.958886361983798e-01$, $x_2 = 9.917689264227811e-01$ 第4424次迭代 $f(x_{4424}) = 1.693959059678919e-05$, $x_1 = 9.958850873778602e-01$, $x_2 = 9.917786901902983e-01$ 第4425次迭代 $f(x_{4425}) = 1.691222531289527e-05$, $x_1 = 9.958950439567097e-01$, $x_2 = 9.917821270488556e-01$ 第4426次迭代 $f(x_{4426}) = 1.688493273790023e-05$, $x_1 = 9.958916264014191e-01$, $x_2 = 9.917922580922467e-01$ 第4427次迭代 $f(x_{4427}) = 1.685762420470660e-05$, $x_1 = 9.959014490452930e-01$, $x_2 = 9.917953027121230e-01$ 第4428次迭代 $f(x_{4428}) = 1.683036935390340e-05$, $x_1 = 9.958982434596642e-01$, $x_2 = 9.918055895142652e-01$ 第4429次迭代 $f(x_{4429}) = 1.680311482085840e-05$, $x_1 = 9.959081572653568e-01$, $x_2 = 9.918085754986676e-01$ 第4430次迭代 $f(x_{4430}) = 1.677597268888409e-05$, $x_1 = 9.959049537352744e-01$, $x_2 = 9.918185720742511e-01$ 第4431次迭代 $f(x_{4431}) = 1.674890263326480e-05$, $x_1 = 9.959150830280399e-01$, $x_2 = 9.918218814262720e-01$ 第4432次迭代 $f(x_{4432}) = 1.672181257698535e-05$, $x_1 = 9.959116456311845e-01$, $x_2 = 9.918315376501732e-01$ 第4433次迭代 $f(x_{4433}) = 1.669478260206805e-05$, $x_1 = 9.959217733588586e-01$, $x_2 = 9.918351087349063e-01$ 第4434次迭代 $f(x_{4434}) = 1.666774434440877e-05$, $x_1 = 9.959183564654240e-01$, $x_2 = 9.918444674648615e-01$ 第4435次迭代 $f(x_{4435}) = 1.664059817747398e-05$, $x_1 = 9.959284370660886e-01$, $x_2 = 9.918483572450174e-01$ 第4436次迭代 $f(x_{4436}) = 1.661361810741714e-05$, $x_1 = 9.959249768826998e-01$, $x_2 = 9.918577251569881e-01$ 第4437次迭代 $f(x_{4437}) = 1.658659257515482e-05$, $x_1 =$

9.959350901628855e-01, x2 = 9.918615839866877e-01 第4438次迭代 f(x_4438)
=1.655966997400881e-05, x1 = 9.959315861917645e-01, x2 = 9.918709613504412e-01 第4439次
迭代 f(x_4439) =1.653276524959063e-05, x1 = 9.959417326704574e-01, x2 =
9.918747889939448e-01 第4440次迭代 f(x_4440) =1.650589939040098e-05, x1 =
9.959381844079418e-01, x2 = 9.918841760821573e-01 第4441次迭代 f(x_4441)
=1.647911565801420e-05, x1 = 9.959483646100310e-01, x2 = 9.918879723007316e-01 第4442次
迭代 f(x_4442) =1.645230580534029e-05, x1 = 9.959447715464823e-01, x2 =
9.918973693890349e-01 第4443次迭代 f(x_4443) =1.642563644664255e-05, x1 =
9.959547467824381e-01, x2 = 9.919010457758947e-01 第4444次迭代 f(x_4444)
=1.639905192860385e-05, x1 = 9.959512779551941e-01, x2 = 9.919106403939404e-01 第4445次
迭代 f(x_4445) =1.637256272770675e-05, x1 = 9.959610527921995e-01, x2 =
9.919140325803845e-01 第4446次迭代 f(x_4446) =1.634614408257823e-05, x1 =
9.959577103921835e-01, x2 = 9.919239899121493e-01 第4447次迭代 f(x_4447)
=1.631971838132370e-05, x1 = 9.959673560166658e-01, x2 = 9.919269949086763e-01 第4448次
迭代 f(x_4448) =1.629333220143796e-05, x1 = 9.959642190366018e-01, x2 =
9.919371070600478e-01 第4449次迭代 f(x_4449) =1.626695810485113e-05, x1 =
9.959739568702751e-01, x2 = 9.919400531102318e-01 第4450次迭代 f(x_4450)
=1.624068571341959e-05, x1 = 9.959708189045435e-01, x2 = 9.919498812311901e-01 第4451次
迭代 f(x_4451) =1.621448332380574e-05, x1 = 9.959807714791310e-01, x2 =
9.919531440665755e-01 第4452次迭代 f(x_4452) =1.618826682536633e-05, x1 =
9.959774008443010e-01, x2 = 9.919626386184551e-01 第4453次迭代 f(x_4453)
=1.616210093133330e-05, x1 = 9.959873548712425e-01, x2 = 9.919661574628675e-01 第4454次
迭代 f(x_4454) =1.613593525997719e-05, x1 = 9.959838812315571e-01, x2 =
9.919756908818109e-01 第4455次迭代 f(x_4455) =1.610987794078001e-05, x1 =
9.959936096498589e-01, x2 = 9.919790394289004e-01 第4456次迭代 f(x_4456)
=1.608388964156598e-05, x1 = 9.959904372029043e-01, x2 = 9.919884094437368e-01 第4457次
迭代 f(x_4457) =1.605781339993758e-05, x1 = 9.960002827589073e-01, x2 =
9.919920529740535e-01 第4458次迭代 f(x_4458) =1.603183320669428e-05, x1 =
9.959968692791752e-01, x2 = 9.920015309723721e-01 第4459次迭代 f(x_4459)
=1.600593899624864e-05, x1 = 9.960065186716078e-01, x2 = 9.920048925245682e-01 第4460次
迭代 f(x_4460) =1.598011386772423e-05, x1 = 9.960032283544633e-01, x2 =
9.920147300606372e-01 第4461次迭代 f(x_4461) =1.595428778698096e-05, x1 =
9.960127517228570e-01, x2 = 9.920177079322202e-01 第4462次迭代 f(x_4462)
=1.592849150034713e-05, x1 = 9.960096623729801e-01, x2 = 9.920276996116576e-01 第4463次
迭代 f(x_4463) =1.590271543009921e-05, x1 = 9.960192786049066e-01, x2 =
9.920306183563710e-01 第4464次迭代 f(x_4464) =1.587703369950365e-05, x1 =
9.960161862278092e-01, x2 = 9.920403302460469e-01 第4465次迭代 f(x_4465)
=1.585142054912821e-05, x1 = 9.960260166224264e-01, x2 = 9.920435612747522e-01 第4466次
迭代 f(x_4466) =1.582579745437977e-05, x1 = 9.960226924622658e-01, x2 =
9.920529442359488e-01 第4467次迭代 f(x_4467) =1.580021825600325e-05, x1 =
9.960325263354561e-01, x2 = 9.920564273578136e-01 第4468次迭代 f(x_4468)
=1.577464437203435e-05, x1 = 9.960290985800450e-01, x2 = 9.920658496251404e-01 第4469次
迭代 f(x_4469) =1.574917342392329e-05, x1 = 9.960387113640459e-01, x2 =
9.920691633840891e-01 第4470次迭代 f(x_4470) =1.572377094522632e-05, x1 =
9.960354041100129e-01, x2 = 9.920789431183349e-01 第4471次迭代 f(x_4471)
=1.569834843758604e-05, x1 = 9.960448935392761e-01, x2 = 9.920818754722230e-01 第4472次
迭代 f(x_4472) =1.567298534050434e-05, x1 = 9.960417849325399e-01, x2 =
9.920918084553484e-01 第4473次迭代 f(x_4473) =1.564760747889501e-05, x1 =
9.960510366332804e-01, x2 = 9.920945816935404e-01 第4474次迭代 f(x_4474)
=1.562213948546993e-05, x1 = 9.960481975520769e-01, x2 = 9.921046654884198e-01 第4475次

迭代 $f(x_{4475}) = 1.559681312102911e-05$, $x_1 = 9.960574866438878e-01$, $x_2 = 9.921074079222386e-01$ 第4476次迭代 $f(x_{4476}) = 1.557146170484304e-05$, $x_1 = 9.960545993395650e-01$, $x_2 = 9.921175017164033e-01$ 第4477次迭代 $f(x_{4477}) = 1.554618609040420e-05$, $x_1 = 9.960639263778223e-01$, $x_2 = 9.921202130877858e-01$ 第4478次迭代 $f(x_{4478}) = 1.552095149506260e-05$, $x_1 = 9.960609903088142e-01$, $x_2 = 9.921303171755960e-01$ 第4479次迭代 $f(x_{4479}) = 1.549572587361335e-05$, $x_1 = 9.960703558556929e-01$, $x_2 = 9.921329972230436e-01$ 第4480次迭代 $f(x_{4480}) = 1.547060634848178e-05$, $x_1 = 9.960674403905685e-01$, $x_2 = 9.921428750186099e-01$ 第4481次迭代 $f(x_{4481}) = 1.544558356104072e-05$, $x_1 = 9.960768922861155e-01$, $x_2 = 9.921457639332728e-01$ 第4482次迭代 $f(x_{4482}) = 1.542064174445603e-05$, $x_1 = 9.960738674278499e-01$, $x_2 = 9.921553232814669e-01$ 第4483次迭代 $f(x_{4483}) = 1.539576663728914e-05$, $x_1 = 9.960835326055477e-01$, $x_2 = 9.921585188310286e-01$ 第4484次迭代 $f(x_{4484}) = 1.537089099305436e-05$, $x_1 = 9.960802772427058e-01$, $x_2 = 9.921677550736211e-01$ 第4485次迭代 $f(x_{4485}) = 1.534604428011311e-05$, $x_1 = 9.960899485492174e-01$, $x_2 = 9.921711977012609e-01$ 第4486次迭代 $f(x_{4486}) = 1.532121594521398e-05$, $x_1 = 9.960865890621491e-01$, $x_2 = 9.921804736970846e-01$ 第4487次迭代 $f(x_{4487}) = 1.529647950299852e-05$, $x_1 = 9.960960451202742e-01$, $x_2 = 9.921837481018845e-01$ 第4488次迭代 $f(x_{4488}) = 1.527180970299027e-05$, $x_1 = 9.960928021113625e-01$, $x_2 = 9.921933775134109e-01$ 第4489次迭代 $f(x_{4489}) = 1.524712703099493e-05$, $x_1 = 9.961021387496599e-01$, $x_2 = 9.921962749806204e-01$ 第4490次迭代 $f(x_{4490}) = 1.522249232483399e-05$, $x_1 = 9.960990888946054e-01$, $x_2 = 9.922060567275159e-01$ 第4491次迭代 $f(x_{4491}) = 1.519785559904326e-05$, $x_1 = 9.961081938175244e-01$, $x_2 = 9.922087961042734e-01$ 第4492次迭代 $f(x_{4492}) = 1.517311713331178e-05$, $x_1 = 9.961054069228086e-01$, $x_2 = 9.922187278078273e-01$ 第4493次迭代 $f(x_{4493}) = 1.514852917591292e-05$, $x_1 = 9.961145509019602e-01$, $x_2 = 9.922214357238701e-01$ 第4494次迭代 $f(x_{4494}) = 1.512390527559938e-05$, $x_1 = 9.961117142641628e-01$, $x_2 = 9.922313783947332e-01$ 第4495次迭代 $f(x_{4495}) = 1.509936532825287e-05$, $x_1 = 9.961208978737927e-01$, $x_2 = 9.922340545822708e-01$ 第4496次迭代 $f(x_{4496}) = 1.507485626661783e-05$, $x_1 = 9.961180109319828e-01$, $x_2 = 9.922440085241334e-01$ 第4497次迭代 $f(x_{4497}) = 1.505036356044731e-05$, $x_1 = 9.961272347535672e-01$, $x_2 = 9.922466527117247e-01$ 第4498次迭代 $f(x_{4498}) = 1.502596843857432e-05$, $x_1 = 9.961243657424793e-01$, $x_2 = 9.922563848415191e-01$ 第4499次迭代 $f(x_{4499}) = 1.500167030554413e-05$, $x_1 = 9.961336769969031e-01$, $x_2 = 9.922592336933366e-01$ 第4500次迭代 $f(x_{4500}) = 1.497744941379615e-05$, $x_1 = 9.961306979368411e-01$, $x_2 = 9.922686531269838e-01$ 第4501次迭代 $f(x_{4501}) = 1.495329356821280e-05$, $x_1 = 9.961402216855414e-01$, $x_2 = 9.922718030075652e-01$ 第4502次迭代 $f(x_{4502}) = 1.492913718594445e-05$, $x_1 = 9.961370132725489e-01$, $x_2 = 9.922809051270935e-01$ 第4503次迭代 $f(x_{4503}) = 1.490500943903962e-05$, $x_1 = 9.961465453739022e-01$, $x_2 = 9.922842973385728e-01$ 第4504次迭代 $f(x_{4504}) = 1.488089835394816e-05$, $x_1 = 9.961432320621169e-01$, $x_2 = 9.922934397786252e-01$ 第4505次迭代 $f(x_{4505}) = 1.485687756426143e-05$, $x_1 = 9.961525542525305e-01$, $x_2 = 9.922966651001570e-01$ 第4506次迭代 $f(x_{4506}) = 1.483292179760438e-05$, $x_1 = 9.961493533697533e-01$, $x_2 = 9.923061570063779e-01$ 第4507次迭代 $f(x_{4507}) = 1.480895108625220e-05$, $x_1 = 9.961585601300630e-01$, $x_2 = 9.923090097360721e-01$ 第4508次迭代 $f(x_{4508}) = 1.478503128951899e-05$, $x_1 = 9.961555473667391e-01$, $x_2 = 9.923186528875775e-01$ 第4509次迭代 $f(x_{4509}) = 1.476110230108596e-05$, $x_1 = 9.961645278689945e-01$, $x_2 = 9.923213487715915e-01$ 第4510次迭代 $f(x_{4510}) = 1.473708458200413e-05$, $x_1 = 9.961617721572740e-01$, $x_2 = 9.923311407561566e-01$ 第4511次迭代 $f(x_{4511}) = 1.471320160717565e-05$, $x_1 = 9.961707934327962e-01$, $x_2 = 9.923338044946405e-01$ 第4512次迭代 $f(x_{4512}) = 1.468929662015450e-05$, $x_1 =$

9.961679864025302e-01, x2 = 9.923436084390937e-01 第4513次迭代 f(x_4513)
=1.466545888606250e-05, x1 = 9.961770490468246e-01, x2 = 9.923462397533377e-01 第4514次
迭代 f(x_4514)=1.464166693722211e-05, x1 = 9.961741901153157e-01, x2 =
9.923560559719070e-01 第4515次迭代 f(x_4515)=1.461787365968340e-05, x1 =
9.961832947315782e-01, x2 = 9.923586545793215e-01 第4516次迭代 f(x_4516)
=1.459419072506879e-05, x1 = 9.961804514932633e-01, x2 = 9.923682532014142e-01 第4517次
迭代 f(x_4517)=1.457058999085242e-05, x1 = 9.961896445086910e-01, x2 =
9.923710523828927e-01 第4518次迭代 f(x_4518)=1.454707145027409e-05, x1 =
9.961866907547429e-01, x2 = 9.923803438855661e-01 第4519次迭代 f(x_4519)
=1.452361648801985e-05, x1 = 9.961960955858663e-01, x2 = 9.923834385229690e-01 第4520次
迭代 f(x_4520)=1.450015249967946e-05, x1 = 9.961929134899403e-01, x2 =
9.923924184799672e-01 第4521次迭代 f(x_4521)=1.447673009962695e-05, x1 =
9.962023285154490e-01, x2 = 9.923957509459469e-01 第4522次迭代 f(x_4522)
=1.445330928906796e-05, x1 = 9.961990404939780e-01, x2 = 9.924047719142868e-01 第4523次
迭代 f(x_4523)=1.442998572340755e-05, x1 = 9.962082504883039e-01, x2 =
9.924079389939932e-01 第4524次迭代 f(x_4524)=1.440672053316395e-05, x1 =
9.962052392038006e-01, x2 = 9.924168095200072e-01 第4525次迭代 f(x_4525)
=1.438338508977509e-05, x1 = 9.962145684633852e-01, x2 = 9.924202515158509e-01 第4526次
迭代 f(x_4526)=1.436012495850418e-05, x1 = 9.962113203301997e-01, x2 =
9.924292285978825e-01 第4527次迭代 f(x_4527)=1.433694916223016e-05, x1 =
9.962204721416522e-01, x2 = 9.924323996747646e-01 第4528次迭代 f(x_4528)
=1.431383638433056e-05, x1 = 9.962173317398105e-01, x2 = 9.924417213914489e-01 第4529次
迭代 f(x_4529)=1.429071035762142e-05, x1 = 9.962263727420370e-01, x2 =
9.924445251867496e-01 第4530次迭代 f(x_4530)=1.426763223439018e-05, x1 =
9.962234143582187e-01, x2 = 9.924539968637138e-01 第4531次迭代 f(x_4531)
=1.424454557402949e-05, x1 = 9.962322357612491e-01, x2 = 9.924566452595288e-01 第4532次
迭代 f(x_4532)=1.422137413939632e-05, x1 = 9.962295271841037e-01, x2 =
9.924662644906340e-01 第4533次迭代 f(x_4533)=1.419833039047194e-05, x1 =
9.962383912703255e-01, x2 = 9.924688799948989e-01 第4534次迭代 f(x_4534)
=1.417526936121908e-05, x1 = 9.962356296347025e-01, x2 = 9.924785123017449e-01 第4535次
迭代 f(x_4535)=1.415226773490730e-05, x1 = 9.962445370252948e-01, x2 =
9.924810946225657e-01 第4536次迭代 f(x_4536)=1.412931745478297e-05, x1 =
9.962417217222121e-01, x2 = 9.924907403321074e-01 第4537次迭代 f(x_4537)
=1.410635715003036e-05, x1 = 9.962506730466020e-01, x2 = 9.924932891734326e-01 第4538次
迭代 f(x_4538)=1.408351187457572e-05, x1 = 9.962478706638742e-01, x2 =
9.925027223946359e-01 第4539次迭代 f(x_4539)=1.406073881338228e-05, x1 =
9.962569114871175e-01, x2 = 9.925054669252199e-01 第4540次迭代 f(x_4540)
=1.403804950443644e-05, x1 = 9.962539980444576e-01, x2 = 9.925145997209204e-01 第4541次
迭代 f(x_4541)=1.401542194804878e-05, x1 = 9.962632497098566e-01, x2 =
9.925176330888154e-01 第4542次迭代 f(x_4542)=1.399277968067489e-05, x1 =
9.962601093045748e-01, x2 = 9.925264611892501e-01 第4543次迭代 f(x_4543)
=1.397018750232515e-05, x1 = 9.962693734478747e-01, x2 = 9.925297269396426e-01 第4544次
迭代 f(x_4544)=1.394758166796759e-05, x1 = 9.962662385603096e-01, x2 =
9.925382896392588e-01 第4545次迭代 f(x_4545)=1.392490022383689e-05, x1 =
9.962754730152753e-01, x2 = 9.925418401066790e-01 第4546次迭代 f(x_4546)
=1.390233548699311e-05, x1 = 9.962722851322007e-01, x2 = 9.925504179231228e-01 第4547次
迭代 f(x_4547)=1.387976314951580e-05, x1 = 9.962815629829528e-01, x2 =
9.925539333349479e-01 第4548次迭代 f(x_4548)=1.385723871035485e-05, x1 =
9.962783214816168e-01, x2 = 9.925625265986402e-01 第4549次迭代 f(x_4549)
=1.383477584700931e-05, x1 = 9.962876433719892e-01, x2 = 9.925660066546210e-01 第4550次

迭代 $f(x_{4550}) = 1.381229089287951e-05$, $x_1 = 9.962843476210064e-01$, $x_2 = 9.925746157002701e-01$ 第4551次迭代 $f(x_{4551}) = 1.378992961597133e-05$, $x_1 = 9.962934948401236e-01$, $x_2 = 9.925779794287617e-01$ 第4552次迭代 $f(x_{4552}) = 1.376763058749895e-05$, $x_1 = 9.962902995122185e-01$, $x_2 = 9.925867761289441e-01$ 第4553次迭代 $f(x_{4553}) = 1.374541853573801e-05$, $x_1 = 9.962992759100556e-01$, $x_2 = 9.925898731435380e-01$ 第4554次迭代 $f(x_{4554}) = 1.372326608175472e-05$, $x_1 = 9.962963466082327e-01$, $x_2 = 9.925985250664960e-01$ 第4555次迭代 $f(x_{4555}) = 1.370104055707734e-05$, $x_1 = 9.963054429166531e-01$, $x_2 = 9.926018886175670e-01$ 第4556次迭代 $f(x_{4556}) = 1.367889234242327e-05$, $x_1 = 9.963022793573929e-01$, $x_2 = 9.926106460820699e-01$ 第4557次迭代 $f(x_{4557}) = 1.365682177318244e-05$, $x_1 = 9.963112059533652e-01$, $x_2 = 9.926137435039486e-01$ 第4558次迭代 $f(x_{4558}) = 1.363481159578704e-05$, $x_1 = 9.963081439911246e-01$, $x_2 = 9.926228390786965e-01$ 第4559次迭代 $f(x_{4559}) = 1.361278943017349e-05$, $x_1 = 9.963169658212603e-01$, $x_2 = 9.926255763768023e-01$ 第4560次迭代 $f(x_{4560}) = 1.359081268236257e-05$, $x_1 = 9.963140779144768e-01$, $x_2 = 9.926348201009291e-01$ 第4561次迭代 $f(x_{4561}) = 1.356882634915243e-05$, $x_1 = 9.963226888514896e-01$, $x_2 = 9.926374040261179e-01$ 第4562次迭代 $f(x_{4562}) = 1.354676269174681e-05$, $x_1 = 9.963200412722356e-01$, $x_2 = 9.926467934960779e-01$ 第4563次迭代 $f(x_{4563}) = 1.352481532189578e-05$, $x_1 = 9.963286973146155e-01$, $x_2 = 9.926493435979432e-01$ 第4564次迭代 $f(x_{4564}) = 1.350285892255641e-05$, $x_1 = 9.963259944806967e-01$, $x_2 = 9.926587475697320e-01$ 第4565次迭代 $f(x_{4565}) = 1.348094970570372e-05$, $x_1 = 9.963346962856412e-01$, $x_2 = 9.926612635379077e-01$ 第4566次迭代 $f(x_{4566}) = 1.345910095831872e-05$, $x_1 = 9.963319375512244e-01$, $x_2 = 9.926706823563516e-01$ 第4567次迭代 $f(x_{4567}) = 1.343722907060650e-05$, $x_1 = 9.963406857849557e-01$, $x_2 = 9.926731638759257e-01$ 第4568次迭代 $f(x_{4568}) = 1.341547973976461e-05$, $x_1 = 9.963379364285738e-01$, $x_2 = 9.926823769477511e-01$ 第4569次迭代 $f(x_{4569}) = 1.339378863575430e-05$, $x_1 = 9.963467754914370e-01$, $x_2 = 9.926850477013500e-01$ 第4570次迭代 $f(x_{4570}) = 1.337218382914465e-05$, $x_1 = 9.963439144848402e-01$, $x_2 = 9.926939692201161e-01$ 第4571次迭代 $f(x_{4571}) = 1.335063472831876e-05$, $x_1 = 9.963524837483129e-01$, $x_2 = 9.926967637515707e-01$ 第4572次迭代 $f(x_{4572}) = 1.332901899244801e-05$, $x_1 = 9.963497604816604e-01$, $x_2 = 9.927059383665622e-01$ 第4573次迭代 $f(x_{4573}) = 1.330747345876321e-05$, $x_1 = 9.963585535839870e-01$, $x_2 = 9.927086092076710e-01$ 第4574次迭代 $f(x_{4574}) = 1.328600666929247e-05$, $x_1 = 9.963557185126385e-01$, $x_2 = 9.927174934719204e-01$ 第4575次迭代 $f(x_{4575}) = 1.326459877209938e-05$, $x_1 = 9.963647206571579e-01$, $x_2 = 9.927204433148031e-01$ 第4576次迭代 $f(x_{4576}) = 1.324317522505768e-05$, $x_1 = 9.963616610449684e-01$, $x_2 = 9.927290330649918e-01$ 第4577次迭代 $f(x_{4577}) = 1.322180262900781e-05$, $x_1 = 9.963706791922046e-01$, $x_2 = 9.927322070246334e-01$ 第4578次迭代 $f(x_{4578}) = 1.320041025236112e-05$, $x_1 = 9.963676212948949e-01$, $x_2 = 9.927405404397145e-01$ 第4579次迭代 $f(x_{4579}) = 1.317895662900464e-05$, $x_1 = 9.963766142458045e-01$, $x_2 = 9.927439895136400e-01$ 第4580次迭代 $f(x_{4580}) = 1.315760100883023e-05$, $x_1 = 9.963735009356340e-01$, $x_2 = 9.927523395680508e-01$ 第4581次迭代 $f(x_{4581}) = 1.313625299478752e-05$, $x_1 = 9.963825399968220e-01$, $x_2 = 9.927557525948496e-01$ 第4582次迭代 $f(x_{4582}) = 1.311493330613276e-05$, $x_1 = 9.963793706087172e-01$, $x_2 = 9.927641196396407e-01$ 第4583次迭代 $f(x_{4583}) = 1.309369071085178e-05$, $x_1 = 9.963882436774856e-01$, $x_2 = 9.927674172166767e-01$ 第4584次迭代 $f(x_{4584}) = 1.307253490236888e-05$, $x_1 = 9.963851684742298e-01$, $x_2 = 9.927759689418574e-01$ 第4585次迭代 $f(x_{4585}) = 1.305144635491993e-05$, $x_1 = 9.963938787731198e-01$, $x_2 = 9.927790048065950e-01$ 第4586次迭代 $f(x_{4586}) = 1.303041575082695e-05$, $x_1 = 9.963908998451813e-01$, $x_2 = 9.927878885635656e-01$ 第4587次迭代 $f(x_{4587}) = 1.300937886193711e-05$, $x_1 =$

9.963995106143192e-01, x2 = 9.927905709612125e-01 第4588次迭代 f(x_4588)
=1.298837797612803e-05, x1 = 9.963966984953124e-01, x2 = 9.927996012130481e-01 第4589次
迭代 f(x_4589) =1.296737675476841e-05, x1 = 9.964051063566788e-01, x2 =
9.928021320578444e-01 第4590次迭代 f(x_4590) =1.294629205301408e-05, x1 =
9.964025258246260e-01, x2 = 9.928113064595023e-01 第4591次迭代 f(x_4591)
=1.292532651469251e-05, x1 = 9.964109807523295e-01, x2 = 9.928138027552309e-01 第4592次
迭代 f(x_4592) =1.290434603002778e-05, x1 = 9.964083432104175e-01, x2 =
9.928229928346640e-01 第4593次迭代 f(x_4593) =1.288341534770143e-05, x1 =
9.964168458944176e-01, x2 = 9.928254542541568e-01 第4594次迭代 f(x_4594)
=1.286253951612093e-05, x1 = 9.964141506632882e-01, x2 = 9.928346603724488e-01 第4595次
迭代 f(x_4595) =1.284164284812980e-05, x1 = 9.964227018032866e-01, x2 =
9.928370865836341e-01 第4596次迭代 f(x_4596) =1.282086349477064e-05, x1 =
9.964200126826835e-01, x2 = 9.928460931172142e-01 第4597次迭代 f(x_4597)
=1.280013856945242e-05, x1 = 9.964286557281422e-01, x2 = 9.928487027491952e-01 第4598次
迭代 f(x_4598) =1.277949723821776e-05, x1 = 9.964258544975593e-01, x2 =
9.928574257738764e-01 第4599次迭代 f(x_4599) =1.275890700773390e-05, x1 =
9.964342366606029e-01, x2 = 9.928601549641416e-01 第4600次迭代 f(x_4600)
=1.273825774197510e-05, x1 = 9.964315670367542e-01, x2 = 9.928691269203181e-01 第4601次
迭代 f(x_4601) =1.271767013668955e-05, x1 = 9.964401712682284e-01, x2 =
9.928717335784840e-01 第4602次迭代 f(x_4602) =1.269716131007689e-05, x1 =
9.964373894355225e-01, x2 = 9.928804231746499e-01 第4603次迭代 f(x_4603)
=1.267670712012348e-05, x1 = 9.964457345189475e-01, x2 = 9.928831485571757e-01 第4604次
迭代 f(x_4604) =1.265618748704876e-05, x1 = 9.964430834309588e-01, x2 =
9.928920864984360e-01 第4605次迭代 f(x_4605) =1.263573603373739e-05, x1 =
9.964516498877419e-01, x2 = 9.928946897351099e-01 第4606次迭代 f(x_4606)
=1.261535895498467e-05, x1 = 9.964488865001772e-01, x2 = 9.929033464575635e-01 第4607次
迭代 f(x_4607) =1.259503819041293e-05, x1 = 9.964576601590934e-01, x2 =
9.929062197849383e-01 第4608次迭代 f(x_4608) =1.257470101224112e-05, x1 =
9.964546746289544e-01, x2 = 9.929145912263438e-01 第4609次迭代 f(x_4609)
=1.255441538956647e-05, x1 = 9.964634673319691e-01, x2 = 9.929176811947391e-01 第4610次
迭代 f(x_4610) =1.253410489495413e-05, x1 = 9.964604802091473e-01, x2 =
9.929258045148474e-01 第4611次迭代 f(x_4611) =1.251374538863021e-05, x1 =
9.964692516547272e-01, x2 = 9.929291608915924e-01 第4612次迭代 f(x_4612)
=1.249346792967124e-05, x1 = 9.964662070824800e-01, x2 = 9.929373021561940e-01 第4613次
迭代 f(x_4613) =1.247321076743585e-05, x1 = 9.964750269476510e-01, x2 =
9.929406216662999e-01 第4614次迭代 f(x_4614) =1.245296549691721e-05, x1 =
9.964719242206084e-01, x2 = 9.929487812461070e-01 第4615次迭代 f(x_4615)
=1.243280754507302e-05, x1 = 9.964805855215036e-01, x2 = 9.929519866760350e-01 第4616次
迭代 f(x_4616) =1.241272069660963e-05, x1 = 9.964775711143222e-01, x2 =
9.929603279322178e-01 第4617次迭代 f(x_4617) =1.239270464097351e-05, x1 =
9.964860770577426e-01, x2 = 9.929632767382802e-01 第4618次迭代 f(x_4618)
=1.237274412772417e-05, x1 = 9.964831528056184e-01, x2 = 9.929719433432032e-01 第4619次
迭代 f(x_4619) =1.235276882227260e-05, x1 = 9.964915652919141e-01, x2 =
9.929745459856283e-01 第4620次迭代 f(x_4620) =1.233284222854757e-05, x1 =
9.964888004117401e-01, x2 = 9.929833569188126e-01 第4621次迭代 f(x_4621)
=1.231289341330126e-05, x1 = 9.964970180896472e-01, x2 = 9.929858104401195e-01 第4622次
迭代 f(x_4622) =1.229289414863075e-05, x1 = 9.964944760201446e-01, x2 =
9.929947632582190e-01 第4623次迭代 f(x_4623) =1.227297722749885e-05, x1 =
9.965027431226086e-01, x2 = 9.929971813354013e-01 第4624次迭代 f(x_4624)
=1.225307912275306e-05, x1 = 9.965001419112358e-01, x2 = 9.930061512295763e-01 第4625次

迭代 $f(x_{4625}) = 1.223319324296200e-05$, $x_1 = 9.965084591703759e-01$, $x_2 = 9.930085335139167e-01$ 第4626次迭代 $f(x_{4626}) = 1.221339315400411e-05$, $x_1 = 9.965058604165428e-01$, $x_2 = 9.930173103843237e-01$ 第4627次迭代 $f(x_{4627}) = 1.219366249821015e-05$, $x_1 = 9.965142705387546e-01$, $x_2 = 9.930198700951074e-01$ 第4628次迭代 $f(x_{4628}) = 1.217400184456936e-05$, $x_1 = 9.965115592387656e-01$, $x_2 = 9.930283718451707e-01$ 第4629次迭代 $f(x_{4629}) = 1.215439576332965e-05$, $x_1 = 9.965201751811512e-01$, $x_2 = 9.930311957255755e-01$ 第4630次迭代 $f(x_{4630}) = 1.213477435727239e-05$, $x_1 = 9.965172434939931e-01$, $x_2 = 9.930394183330664e-01$ 第4631次迭代 $f(x_{4631}) = 1.211520238908366e-05$, $x_1 = 9.965258804734336e-01$, $x_2 = 9.930424538530112e-01$ 第4632次迭代 $f(x_{4632}) = 1.209560579034817e-05$, $x_1 = 9.965229449970092e-01$, $x_2 = 9.930504338492410e-01$ 第4633次迭代 $f(x_{4633}) = 1.207596369175770e-05$, $x_1 = 9.965315633578867e-01$, $x_2 = 9.930537299275418e-01$ 第4634次迭代 $f(x_{4634}) = 1.205639779935189e-05$, $x_1 = 9.965285691961833e-01$, $x_2 = 9.930617286788608e-01$ 第4635次迭代 $f(x_{4635}) = 1.203685577428426e-05$, $x_1 = 9.965372373959248e-01$, $x_2 = 9.930649874064258e-01$ 第4636次迭代 $f(x_{4636}) = 1.201731972758991e-05$, $x_1 = 9.965341838163233e-01$, $x_2 = 9.930730052968429e-01$ 第4637次迭代 $f(x_{4637}) = 1.199787351568161e-05$, $x_1 = 9.965426984164391e-01$, $x_2 = 9.930761508813007e-01$ 第4638次迭代 $f(x_{4638}) = 1.197849116138779e-05$, $x_1 = 9.965397293065714e-01$, $x_2 = 9.930843483800492e-01$ 第4639次迭代 $f(x_{4639}) = 1.195918015048372e-05$, $x_1 = 9.965480934630059e-01$, $x_2 = 9.930872407990323e-01$ 第4640次迭代 $f(x_{4640}) = 1.193992199229861e-05$, $x_1 = 9.965453632120811e-01$, $x_2 = 9.930953079429286e-01$ 第4641次迭代 $f(x_{4641}) = 1.192060083084455e-05$, $x_1 = 9.965538480962363e-01$, $x_2 = 9.930984444752242e-01$ 第4642次迭代 $f(x_{4642}) = 1.190134454430451e-05$, $x_1 = 9.965508905682487e-01$, $x_2 = 9.931066144391283e-01$ 第4643次迭代 $f(x_{4643}) = 1.188215837908465e-05$, $x_1 = 9.965592258944473e-01$, $x_2 = 9.931094984250278e-01$ 第4644次迭代 $f(x_{4644}) = 1.186302530824360e-05$, $x_1 = 9.965565059774688e-01$, $x_2 = 9.931175386954120e-01$ 第4645次迭代 $f(x_{4645}) = 1.184382870559532e-05$, $x_1 = 9.965649620378886e-01$, $x_2 = 9.931206658066056e-01$ 第4646次迭代 $f(x_{4646}) = 1.182469744581400e-05$, $x_1 = 9.965620152449380e-01$, $x_2 = 9.931288087307915e-01$ 第4647次迭代 $f(x_{4647}) = 1.180563540321076e-05$, $x_1 = 9.965703226248317e-01$, $x_2 = 9.931316839153612e-01$ 第4648次迭代 $f(x_{4648}) = 1.178662640508526e-05$, $x_1 = 9.965676122364716e-01$, $x_2 = 9.931396977864352e-01$ 第4649次迭代 $f(x_{4649}) = 1.176755386751828e-05$, $x_1 = 9.965760403542226e-01$, $x_2 = 9.931428151129310e-01$ 第4650次迭代 $f(x_{4650}) = 1.174854660440619e-05$, $x_1 = 9.965731034605410e-01$, $x_2 = 9.931509314867288e-01$ 第4651次迭代 $f(x_{4651}) = 1.172960796485871e-05$, $x_1 = 9.965813837671417e-01$, $x_2 = 9.931537975069582e-01$ 第4652次迭代 $f(x_{4652}) = 1.171072203511102e-05$, $x_1 = 9.965786821124709e-01$, $x_2 = 9.931617854474676e-01$ 第4653次迭代 $f(x_{4653}) = 1.169177306716634e-05$, $x_1 = 9.965870831578982e-01$, $x_2 = 9.931648926307957e-01$ 第4654次迭代 $f(x_{4654}) = 1.167288878122601e-05$, $x_1 = 9.965841553383509e-01$, $x_2 = 9.931729829379622e-01$ 第4655次迭代 $f(x_{4655}) = 1.165407282874293e-05$, $x_1 = 9.965924094341806e-01$, $x_2 = 9.931758394358616e-01$ 第4656次迭代 $f(x_{4656}) = 1.163530897303741e-05$, $x_1 = 9.965897157282523e-01$, $x_2 = 9.931838019093060e-01$ 第4657次迭代 $f(x_{4657}) = 1.161648307785506e-05$, $x_1 = 9.965980905614031e-01$, $x_2 = 9.931868985959106e-01$ 第4658次迭代 $f(x_{4658}) = 1.159772075988156e-05$, $x_1 = 9.965951710010588e-01$, $x_2 = 9.931949633148456e-01$ 第4659次迭代 $f(x_{4659}) = 1.157902678209889e-05$, $x_1 = 9.966033997385699e-01$, $x_2 = 9.931978099372367e-01$ 第4660次迭代 $f(x_{4660}) = 1.156038401582887e-05$, $x_1 = 9.966007132060102e-01$, $x_2 = 9.932057474020752e-01$ 第4661次迭代 $f(x_{4661}) = 1.154168069546822e-05$, $x_1 = 9.966090626770508e-01$, $x_2 = 9.932088332431067e-01$ 第4662次迭代 $f(x_{4662}) = 1.152303934625763e-05$, $x_1 =$

9.966061505707586e-01, x2 = 9.932168728470653e-01 第4663次迭代 f(x_4663)
=1.150446663449645e-05, x1 = 9.966143547927456e-01, x2 = 9.932197092453753e-01 第4664次
迭代 f(x_4664) = 1.148594398251662e-05, x1 = 9.966116746673530e-01, x2 =
9.932276221552284e-01 第4665次迭代 f(x_4665) = 1.146736273826410e-05, x1 =
9.966199996169764e-01, x2 = 9.932306968063396e-01 第4666次迭代 f(x_4666)
= 1.144884136832636e-05, x1 = 9.966170941689543e-01, x2 = 9.932387117636402e-01 第4667次
迭代 f(x_4667) = 1.143038921764731e-05, x1 = 9.966252747089548e-01, x2 =
9.932415375937016e-01 第4668次迭代 f(x_4668) = 1.141198571401437e-05, x1 =
9.966226002333101e-01, x2 = 9.932494263975475e-01 第4669次迭代 f(x_4669)
= 1.139352604668013e-05, x1 = 9.966309014931327e-01, x2 = 9.932524895186954e-01 第4670次
迭代 f(x_4670) = 1.137512367596835e-05, x1 = 9.966280019165645e-01, x2 =
9.932604802929221e-01 第4671次迭代 f(x_4671) = 1.135679138522214e-05, x1 =
9.966361595992520e-01, x2 = 9.932632952147766e-01 第4672次迭代 f(x_4672)
= 1.133850607294252e-05, x1 = 9.966334900243367e-01, x2 = 9.932711603571438e-01 第4673次
迭代 f(x_4673) = 1.132016748315053e-05, x1 = 9.966417684172884e-01, x2 =
9.932742116123954e-01 第4674次迭代 f(x_4674) = 1.130188314079324e-05, x1 =
9.966388739339285e-01, x2 = 9.932821786625970e-01 第4675次迭代 f(x_4675)
= 1.128367001266996e-05, x1 = 9.966470095754980e-01, x2 = 9.932849823403029e-01 第4676次
迭代 f(x_4676) = 1.126550194345843e-05, x1 = 9.966443441603182e-01, x2 =
9.932928242614586e-01 第4677次迭代 f(x_4677) = 1.124728393192309e-05, x1 =
9.966526005010241e-01, x2 = 9.932958633188003e-01 第4678次迭代 f(x_4678)
= 1.122911665596281e-05, x1 = 9.966497103408114e-01, x2 = 9.933038070996851e-01 第4679次
迭代 f(x_4679) = 1.121102199704096e-05, x1 = 9.966578247493560e-01, x2 =
9.933065992011296e-01 第4680次迭代 f(x_4680) = 1.119297023108046e-05, x1 =
9.966551627605769e-01, x2 = 9.933144183372646e-01 第4681次迭代 f(x_4681)
= 1.117487229887778e-05, x1 = 9.966633978557302e-01, x2 = 9.933174448684153e-01 第4682次
迭代 f(x_4682) = 1.115682080211577e-05, x1 = 9.966606112069818e-01, x2 =
9.933250915615442e-01 第4683次迭代 f(x_4683) = 1.113869472591046e-05, x1 =
9.966688569258821e-01, x2 = 9.933282724630168e-01 第4684次迭代 f(x_4684)
= 1.112066954565581e-05, x1 = 9.966660095233399e-01, x2 = 9.933359393691346e-01 第4685次
迭代 f(x_4685) = 1.110263804893966e-05, x1 = 9.966743075512756e-01, x2 =
9.933390821821483e-01 第4686次迭代 f(x_4686) = 1.108463830702444e-05, x1 =
9.966713986063290e-01, x2 = 9.933467697125347e-01 第4687次迭代 f(x_4687)
= 1.106670096522285e-05, x1 = 9.966795541710465e-01, x2 = 9.933498013485247e-01 第4688次
迭代 f(x_4688) = 1.104883571357968e-05, x1 = 9.966767215447280e-01, x2 =
9.933576637639596e-01 第4689次迭代 f(x_4689) = 1.103102934688359e-05, x1 =
9.966847373265019e-01, x2 = 9.933604499375978e-01 第4690次迭代 f(x_4690)
= 1.101327309252798e-05, x1 = 9.966819827904809e-01, x2 = 9.933686227408721e-01 第4691次
迭代 f(x_4691) = 1.099550423010787e-05, x1 = 9.966899170592413e-01, x2 =
9.933710790564682e-01 第4692次迭代 f(x_4692) = 1.097777928725487e-05, x1 =
9.966873058353128e-01, x2 = 9.933793915366464e-01 第4693次迭代 f(x_4693)
= 1.096003072556681e-05, x1 = 9.966950630527949e-01, x2 = 9.933817038177010e-01 第4694次
迭代 f(x_4694) = 1.094224498125818e-05, x1 = 9.966926551971300e-01, x2 =
9.933901535681426e-01 第4695次迭代 f(x_4695) = 1.092452141685751e-05, x1 =
9.967004658826677e-01, x2 = 9.933924289961914e-01 第4696次迭代 f(x_4696)
= 1.090682953878599e-05, x1 = 9.966979953301082e-01, x2 = 9.934008983143517e-01 第4697次
迭代 f(x_4697) = 1.088913007967129e-05, x1 = 9.967058603034701e-01, x2 =
9.934031364958518e-01 第4698次迭代 f(x_4698) = 1.087152528848294e-05, x1 =
9.967033855891680e-01, x2 = 9.934114269894880e-01 第4699次迭代 f(x_4699)
= 1.085396681826673e-05, x1 = 9.967110694756411e-01, x2 = 9.934137459074663e-01 第4700次

迭代 $f(x_{4700}) = 1.083633516101892e-05$, $x_1 = 9.967087087966452e-01$, $x_2 = 9.934221367830750e-01$ 第4701次迭代 $f(x_{4701}) = 1.081880156536966e-05$, $x_1 = 9.967164460465732e-01$, $x_2 = 9.934244189501183e-01$ 第4702次迭代 $f(x_{4702}) = 1.080126274658796e-05$, $x_1 = 9.967140228177338e-01$, $x_2 = 9.934328293774420e-01$ 第4703次迭代 $f(x_{4703}) = 1.078375314059929e-05$, $x_1 = 9.967218142524445e-01$, $x_2 = 9.934350743991491e-01$ 第4704次迭代 $f(x_{4704}) = 1.076630627319063e-05$, $x_1 = 9.967193858955230e-01$, $x_2 = 9.934433073662509e-01$ 第4705次迭代 $f(x_{4705}) = 1.074892757415443e-05$, $x_1 = 9.967272718743545e-01$, $x_2 = 9.934457152581483e-01$ 第4706次迭代 $f(x_{4706}) = 1.073160754438024e-05$, $x_1 = 9.967247307742964e-01$, $x_2 = 9.934536935206028e-01$ 第4707次迭代 $f(x_{4707}) = 1.071433635874530e-05$, $x_1 = 9.967328173100691e-01$, $x_2 = 9.934563457290643e-01$ 第4708次迭代 $f(x_{4708}) = 1.069705096153585e-05$, $x_1 = 9.967300623135669e-01$, $x_2 = 9.934640654617511e-01$ 第4709次迭代 $f(x_{4709}) = 1.067981103475409e-05$, $x_1 = 9.967379184786267e-01$, $x_2 = 9.934668222986869e-01$ 第4710次迭代 $f(x_{4710}) = 1.066261958288011e-05$, $x_1 = 9.967352388313616e-01$, $x_2 = 9.934748481689967e-01$ 第4711次迭代 $f(x_{4711}) = 1.064542663158450e-05$, $x_1 = 9.967430161731153e-01$, $x_2 = 9.934772797674183e-01$ 第4712次迭代 $f(x_{4712}) = 1.062825981731574e-05$, $x_1 = 9.967404753756905e-01$, $x_2 = 9.934854441504327e-01$ 第4713次迭代 $f(x_{4713}) = 1.061109229864467e-05$, $x_1 = 9.967480807270720e-01$, $x_2 = 9.934877329226354e-01$ 第4714次迭代 $f(x_{4714}) = 1.059386187049779e-05$, $x_1 = 9.967457376581220e-01$, $x_2 = 9.934960335575942e-01$ 第4715次迭代 $f(x_{4715}) = 1.057671798722614e-05$, $x_1 = 9.967533971040025e-01$, $x_2 = 9.934982853279023e-01$ 第4716次迭代 $f(x_{4716}) = 1.055957909509100e-05$, $x_1 = 9.967509908446266e-01$, $x_2 = 9.935066059680642e-01$ 第4717次迭代 $f(x_{4717}) = 1.054245795429791e-05$, $x_1 = 9.967587052240013e-01$, $x_2 = 9.935088203330564e-01$ 第4718次迭代 $f(x_{4718}) = 1.052540781169234e-05$, $x_1 = 9.967562927959117e-01$, $x_2 = 9.935169660672531e-01$ 第4719次迭代 $f(x_{4719}) = 1.050841697242559e-05$, $x_1 = 9.967641019388157e-01$, $x_2 = 9.935193408222293e-01$ 第4720次迭代 $f(x_{4720}) = 1.049148785579853e-05$, $x_1 = 9.967615768567328e-01$, $x_2 = 9.935272353185377e-01$ 第4721次迭代 $f(x_{4721}) = 1.047460359609195e-05$, $x_1 = 9.967691615510011e-01$, $x_2 = 9.935297124000658e-01$ 第4722次迭代 $f(x_{4722}) = 1.045766853662916e-05$, $x_1 = 9.967667443917134e-01$, $x_2 = 9.935378380482676e-01$ 第4723次迭代 $f(x_{4723}) = 1.044078441671316e-05$, $x_1 = 9.967745411943220e-01$, $x_2 = 9.935401986950675e-01$ 第4724次迭代 $f(x_{4724}) = 1.042396624040954e-05$, $x_1 = 9.967720114283797e-01$, $x_2 = 9.935480740764546e-01$ 第4725次迭代 $f(x_{4725}) = 1.040718816907877e-05$, $x_1 = 9.967795843125540e-01$, $x_2 = 9.935505368159139e-01$ 第4726次迭代 $f(x_{4726}) = 1.039036770320814e-05$, $x_1 = 9.967771617544089e-01$, $x_2 = 9.935586427855437e-01$ 第4727次迭代 $f(x_{4727}) = 1.037358822507149e-05$, $x_1 = 9.967846773856188e-01$, $x_2 = 9.935609077811562e-01$ 第4728次迭代 $f(x_{4728}) = 1.035674371938112e-05$, $x_1 = 9.967823638793460e-01$, $x_2 = 9.935691130983689e-01$ 第4729次迭代 $f(x_{4729}) = 1.033998681565891e-05$, $x_1 = 9.967899341658313e-01$, $x_2 = 9.935713409250633e-01$ 第4730次迭代 $f(x_{4730}) = 1.032323240827715e-05$, $x_1 = 9.967875569988118e-01$, $x_2 = 9.935795666142393e-01$ 第4731次迭代 $f(x_{4731}) = 1.030649718184702e-05$, $x_1 = 9.967951827951281e-01$, $x_2 = 9.935817568606314e-01$ 第4732次迭代 $f(x_{4732}) = 1.028983026880747e-05$, $x_1 = 9.967927983031976e-01$, $x_2 = 9.935898102333020e-01$ 第4733次迭代 $f(x_{4733}) = 1.027322174694308e-05$, $x_1 = 9.968005190270206e-01$, $x_2 = 9.935921584435448e-01$ 第4734次迭代 $f(x_{4734}) = 1.025667348654782e-05$, $x_1 = 9.967980219689877e-01$, $x_2 = 9.935999640066663e-01$ 第4735次迭代 $f(x_{4735}) = 1.024016877850118e-05$, $x_1 = 9.968055219704501e-01$, $x_2 = 9.936024127880277e-01$ 第4736次迭代 $f(x_{4736}) = 1.022361525509921e-05$, $x_1 = 9.968031304055439e-01$, $x_2 = 9.936104475026574e-01$ 第4737次迭代 $f(x_{4737}) = 1.020711043837017e-05$, $x_1 =$

9.968108413719041e-01, x2 = 9.936127805420194e-01 第4738次迭代 f(x_4738)
=1.019067087304952e-05, x1 = 9.968083372965942e-01, x2 = 9.936205684026523e-01 第4739次
迭代 f(x_4739)=1.017426940231102e-05, x1 = 9.968158279590861e-01, x2 =
9.936230018348323e-01 第4740次迭代 f(x_4740)=1.015782878623672e-05, x1 =
9.968134286711789e-01, x2 = 9.936310182891332e-01 第4741次迭代 f(x_4741)
=1.014142461849813e-05, x1 = 9.968208639139162e-01, x2 = 9.936332556155232e-01 第4742次
迭代 f(x_4742)=1.012496160923691e-05, x1 = 9.968185712892061e-01, x2 =
9.936413708782964e-01 第4743次迭代 f(x_4743)=1.010857890754232e-05, x1 =
9.968260618101753e-01, x2 = 9.936435708363495e-01 第4744次迭代 f(x_4744)
=1.009220467084826e-05, x1 = 9.968237049904236e-01, x2 = 9.936517068683107e-01 第4745次
迭代 f(x_4745)=1.007584253192388e-05, x1 = 9.968312516609378e-01, x2 =
9.936538690380837e-01 第4746次迭代 f(x_4746)=1.005955328273511e-05, x1 =
9.968288865012300e-01, x2 = 9.936618352493634e-01 第4747次迭代 f(x_4747)
=1.004331636240067e-05, x1 = 9.968365282556906e-01, x2 = 9.936641529873224e-01 第4748次
迭代 f(x_4748)=1.002714123329930e-05, x1 = 9.968340506563680e-01, x2 =
9.936718747585017e-01 第4749次迭代 f(x_4749)=1.001100560399273e-05, x1 =
9.968414749982029e-01, x2 = 9.936742915195470e-01 第4750次迭代 f(x_4750)
=9.994828062770260e-06, x1 = 9.968391005029246e-01, x2 = 9.936822404580156e-01 第4751次
迭代 f(x_4751)=9.978690777501398e-06, x1 = 9.968464706505935e-01, x2 =
9.936844623084430e-01 第4752次迭代 f(x_4752)=9.962490895363015e-06, x1 =
9.968442010703369e-01, x2 = 9.936925097027089e-01 第4753次迭代 f(x_4753)
=9.946374401911476e-06, x1 = 9.968516268246561e-01, x2 = 9.936946940999419e-01 第4754次
迭代 f(x_4754)=9.930262250753386e-06, x1 = 9.968492927844335e-01, x2 =
9.937027624878424e-01 第4755次迭代 f(x_4755)=9.914165644145720e-06, x1 =
9.968567750271521e-01, x2 = 9.937049090065925e-01 第4756次迭代 f(x_4756)
=9.898137969556120e-06, x1 = 9.968544318443199e-01, x2 = 9.937128093822774e-01 第4757次
迭代 f(x_4757)=9.882163540784123e-06, x1 = 9.968620092432999e-01, x2 =
9.937151097930095e-01 第4758次迭代 f(x_4758)=9.866249012717217e-06, x1 =
9.968595537124549e-01, x2 = 9.937227681120954e-01 第4759次迭代 f(x_4759)
=9.850373946319789e-06, x1 = 9.968669163750311e-01, x2 = 9.937251662832598e-01 第4760次
迭代 f(x_4760)=9.834456784413968e-06, x1 = 9.968645622864549e-01, x2 =
9.937330503508723e-01 第4761次迭代 f(x_4761)=9.818580120411236e-06, x1 =
9.968718719848616e-01, x2 = 9.937352547896837e-01 第4762次迭代 f(x_4762)
=9.802641207159897e-06, x1 = 9.968696211284785e-01, x2 = 9.937432369376432e-01 第4763次
迭代 f(x_4763)=9.786784636022287e-06, x1 = 9.968769867939209e-01, x2 =
9.937454038217640e-01 第4764次迭代 f(x_4764)=9.770932468682121e-06, x1 =
9.968746711797861e-01, x2 = 9.937534072034749e-01 第4765次迭代 f(x_4765)
=9.755095082754826e-06, x1 = 9.968820937050424e-01, x2 = 9.937555361019761e-01 第4766次
迭代 f(x_4766)=9.739326262816251e-06, x1 = 9.968797682149255e-01, x2 =
9.937633732337560e-01 第4767次迭代 f(x_4767)=9.723609057154432e-06, x1 =
9.968872859660299e-01, x2 = 9.937656543627656e-01 第4768次迭代 f(x_4768)
=9.707951341814069e-06, x1 = 9.968848482377404e-01, x2 = 9.937732517925084e-01 第4769次
迭代 f(x_4769)=9.692331689114168e-06, x1 = 9.968921537221207e-01, x2 =
9.937756295221256e-01 第4770次迭代 f(x_4770)=9.676672193887344e-06, x1 =
9.968898157936361e-01, x2 = 9.937834512902348e-01 第4771次迭代 f(x_4771)
=9.661050073671864e-06, x1 = 9.968970695496876e-01, x2 = 9.937856364482585e-01 第4772次
迭代 f(x_4772)=9.645369924928190e-06, x1 = 9.968948332322344e-01, x2 =
9.937935559002521e-01 第4773次迭代 f(x_4773)=9.629767174106911e-06, x1 =
9.969021433484373e-01, x2 = 9.937957033850747e-01 第4774次迭代 f(x_4774)
=9.614172842121507e-06, x1 = 9.968998419418191e-01, x2 = 9.938036443269966e-01 第4775次

迭代 $f(x_{4775}) = 9.598588549361897e-06$, $x_1 = 9.969072093225886e-01$, $x_2 = 9.938057537017458e-01$ 第4776次迭代 $f(x_{4776}) = 9.583075853288956e-06$, $x_1 = 9.969048973719746e-01$, $x_2 = 9.938135301119011e-01$ 第4777次迭代 $f(x_{4777}) = 9.567610729911798e-06$, $x_1 = 9.969123600474398e-01$, $x_2 = 9.938157900693084e-01$ 第4778次迭代 $f(x_{4778}) = 9.552206087527878e-06$, $x_1 = 9.969099359843016e-01$, $x_2 = 9.938233291044306e-01$ 第4779次迭代 $f(x_{4779}) = 9.536836820590346e-06$, $x_1 = 9.969171886639827e-01$, $x_2 = 9.938256846015410e-01$ 第4780次迭代 $f(x_{4780}) = 9.521432271534845e-06$, $x_1 = 9.969148627753303e-01$, $x_2 = 9.938334465744069e-01$ 第4781次迭代 $f(x_{4781}) = 9.506058786827770e-06$, $x_1 = 9.969220649697719e-01$, $x_2 = 9.938356106425953e-01$ 第4782次迭代 $f(x_{4782}) = 9.490635164847405e-06$, $x_1 = 9.969198391292127e-01$, $x_2 = 9.938434698835159e-01$ 第4783次迭代 $f(x_{4783}) = 9.475280301621181e-06$, $x_1 = 9.969270981104443e-01$, $x_2 = 9.938455961425878e-01$ 第4784次迭代 $f(x_{4784}) = 9.459941622718102e-06$, $x_1 = 9.969248068148819e-01$, $x_2 = 9.938534771460787e-01$ 第4785次迭代 $f(x_{4785}) = 9.444604464945489e-06$, $x_1 = 9.969321234995817e-01$, $x_2 = 9.938555651529064e-01$ 第4786次迭代 $f(x_{4786}) = 9.429345159792807e-06$, $x_1 = 9.969298210537123e-01$, $x_2 = 9.938632833006027e-01$ 第4787次迭代 $f(x_{4787}) = 9.414126407882820e-06$, $x_1 = 9.969369764555948e-01$, $x_2 = 9.938654427986526e-01$ 第4788次迭代 $f(x_{4788}) = 9.398846887835400e-06$, $x_1 = 9.969347729971723e-01$, $x_2 = 9.938732580302113e-01$ 第4789次迭代 $f(x_{4789}) = 9.383646499676596e-06$, $x_1 = 9.969419852356920e-01$, $x_2 = 9.938753797404895e-01$ 第4790次迭代 $f(x_{4790}) = 9.368451199191754e-06$, $x_1 = 9.969397163103174e-01$, $x_2 = 9.938832167940653e-01$ 第4791次迭代 $f(x_{4791}) = 9.353268261068849e-06$, $x_1 = 9.969469863064637e-01$, $x_2 = 9.938853002712150e-01$ 第4792次迭代 $f(x_{4792}) = 9.338153351670161e-06$, $x_1 = 9.969447056908647e-01$, $x_2 = 9.938929755584298e-01$ 第4793次迭代 $f(x_{4793}) = 9.323085683713863e-06$, $x_1 = 9.969520710325096e-01$, $x_2 = 9.938952070374242e-01$ 第4794次迭代 $f(x_{4794}) = 9.308076603927557e-06$, $x_1 = 9.969496785177675e-01$, $x_2 = 9.939026486280148e-01$ 第4795次迭代 $f(x_{4795}) = 9.293101952872025e-06$, $x_1 = 9.969568378469684e-01$, $x_2 = 9.939049737730146e-01$ 第4796次迭代 $f(x_{4796}) = 9.278093310997794e-06$, $x_1 = 9.969545409790669e-01$, $x_2 = 9.939126360595834e-01$ 第4797次迭代 $f(x_{4797}) = 9.263113964317347e-06$, $x_1 = 9.969616516952605e-01$, $x_2 = 9.939147716338519e-01$ 第4798次迭代 $f(x_{4798}) = 9.248087438374573e-06$, $x_1 = 9.969594523421131e-01$, $x_2 = 9.939225305587664e-01$ 第4799次迭代 $f(x_{4799}) = 9.233125668559756e-06$, $x_1 = 9.969666203753300e-01$, $x_2 = 9.939246281814542e-01$ 第4800次迭代 $f(x_{4800}) = 9.218182576165561e-06$, $x_1 = 9.969643551342164e-01$, $x_2 = 9.939324092274333e-01$ 第4801次迭代 $f(x_{4801}) = 9.203237463192837e-06$, $x_1 = 9.969715814187008e-01$, $x_2 = 9.939344684464341e-01$ 第4802次迭代 $f(x_{4802}) = 9.188371645544037e-06$, $x_1 = 9.969693039767045e-01$, $x_2 = 9.939420893362426e-01$ 第4803次迭代 $f(x_{4803}) = 9.173541402386932e-06$, $x_1 = 9.969763721605420e-01$, $x_2 = 9.939442185704275e-01$ 第4804次迭代 $f(x_{4804}) = 9.158657044210161e-06$, $x_1 = 9.969741912308215e-01$, $x_2 = 9.939519358945134e-01$ 第4805次迭代 $f(x_{4805}) = 9.143844095886036e-06$, $x_1 = 9.969813168125715e-01$, $x_2 = 9.939540271823303e-01$ 第4806次迭代 $f(x_{4806}) = 9.129042500776050e-06$, $x_1 = 9.969790699510673e-01$, $x_2 = 9.939617667021583e-01$ 第4807次迭代 $f(x_{4807}) = 9.114245928649195e-06$, $x_1 = 9.969862538698289e-01$, $x_2 = 9.939638195890017e-01$ 第4808次迭代 $f(x_{4808}) = 9.099522069355117e-06$, $x_1 = 9.969839943293254e-01$, $x_2 = 9.939714000004716e-01$ 第4809次迭代 $f(x_{4809}) = 9.084838822259612e-06$, $x_1 = 9.969910215951432e-01$, $x_2 = 9.939735222213090e-01$ 第4810次迭代 $f(x_{4810}) = 9.070095953941466e-06$, $x_1 = 9.969888575865442e-01$, $x_2 = 9.939811988553583e-01$ 第4811次迭代 $f(x_{4811}) = 9.055429710042069e-06$, $x_1 = 9.969959423428560e-01$, $x_2 = 9.939832831289671e-01$ 第4812次迭代 $f(x_{4812}) = 9.040768954530240e-06$, $x_1 =$

9.969937123466585e-01, x2 = 9.939909820391741e-01 第4813次迭代 f(x_4813)
=9.026118796232393e-06, x1 = 9.970008555376167e-01, x2 = 9.939930279083501e-01 第4814次
迭代 f(x_4814) =9.011536022079810e-06, x1 = 9.969986124078559e-01, x2 =
9.940005687422480e-01 第4815次迭代 f(x_4815) =8.996997107961485e-06, x1 =
9.970058509771251e-01, x2 = 9.940027591365939e-01 第4816次迭代 f(x_4816)
=8.982515934646210e-06, x1 = 9.970034962916787e-01, x2 = 9.940100712274519e-01 第4817次
迭代 f(x_4817) =8.968066367210260e-06, x1 = 9.970105339889525e-01, x2 =
9.940123528776843e-01 第4818次迭代 f(x_4818) =8.953587310128396e-06, x1 =
9.970082715664828e-01, x2 = 9.940198826093115e-01 第4819次迭代 f(x_4819)
=8.939131367527957e-06, x1 = 9.970152631743103e-01, x2 = 9.940219772108978e-01 第4820次
迭代 f(x_4820) =8.924636582269917e-06, x1 = 9.970130949242936e-01, x2 =
9.940296026838787e-01 第4821次迭代 f(x_4821) =8.910196803108804e-06, x1 =
9.970201445787902e-01, x2 = 9.940316591351532e-01 第4822次迭代 f(x_4822)
=8.895783462835735e-06, x1 = 9.970179098424049e-01, x2 = 9.940393072206163e-01 第4823次
迭代 f(x_4823) =8.881358920958296e-06, x1 = 9.970250185023840e-01, x2 =
9.940413250569246e-01 第4824次迭代 f(x_4824) =8.867019371471808e-06, x1 =
9.970227702417557e-01, x2 = 9.940488165919873e-01 第4825次迭代 f(x_4825)
=8.852705150613709e-06, x1 = 9.970297249150603e-01, x2 = 9.940509025425551e-01 第4826次
迭代 f(x_4826) =8.838349833660696e-06, x1 = 9.970275698977663e-01, x2 =
9.940584895906974e-01 第4827次迭代 f(x_4827) =8.824051461231454e-06, x1 =
9.970345827424746e-01, x2 = 9.940605373734174e-01 第4828次迭代 f(x_4828)
=8.809776990298192e-06, x1 = 9.970323611500113e-01, x2 = 9.940681471302593e-01 第4829次
迭代 f(x_4829) =8.795493540238908e-06, x1 = 9.970394331305648e-01, x2 =
9.940701562775923e-01 第4830次迭代 f(x_4830) =8.781292618317802e-06, x1 =
9.970371976136680e-01, x2 = 9.940776104783786e-01 第4831次迭代 f(x_4831)
=8.767118145799475e-06, x1 = 9.970441168607130e-01, x2 = 9.940796871554406e-01 第4832次
迭代 f(x_4832) =8.752901583374254e-06, x1 = 9.970419736775676e-01, x2 =
9.940872366346301e-01 第4833次迭代 f(x_4833) =8.738742635121648e-06, x1 =
9.970489512327911e-01, x2 = 9.940892751200650e-01 第4834次迭代 f(x_4834)
=8.724606339214340e-06, x1 = 9.970467413733280e-01, x2 = 9.940968474100887e-01 第4835次
迭代 f(x_4835) =8.710461988912771e-06, x1 = 9.970537782070085e-01, x2 =
9.940988472333687e-01 第4836次迭代 f(x_4836) =8.696398811181912e-06, x1 =
9.970515540437018e-01, x2 = 9.941062649473803e-01 第4837次迭代 f(x_4837)
=8.682362148748304e-06, x1 = 9.970584393448260e-01, x2 = 9.941083317418001e-01 第4838次
迭代 f(x_4838) =8.668283618087168e-06, x1 = 9.970563066245522e-01, x2 =
9.941158444934558e-01 第4839次迭代 f(x_4839) =8.654262146730014e-06, x1 =
9.970632503827557e-01, x2 = 9.941178730661845e-01 第4840次迭代 f(x_4840)
=8.640263322339624e-06, x1 = 9.970610508725822e-01, x2 = 9.941254087367708e-01 第4841次
迭代 f(x_4841) =8.626256115132715e-06, x1 = 9.970680540641924e-01, x2 =
9.941273986141861e-01 第4842次迭代 f(x_4842) =8.612329795896491e-06, x1 =
9.970658398908194e-01, x2 = 9.941347806748851e-01 第4843次迭代 f(x_4843)
=8.598429038835554e-06, x1 = 9.970726926998958e-01, x2 = 9.941368369901498e-01 第4844次
迭代 f(x_4844) =8.584487809601564e-06, x1 = 9.970705690970554e-01, x2 =
9.941443138419584e-01 第4845次迭代 f(x_4845) =8.570601901507122e-06, x1 =
9.970774805243292e-01, x2 = 9.941463318991387e-01 第4846次迭代 f(x_4846)
=8.556739837365376e-06, x1 = 9.970752900054813e-01, x2 = 9.941538317839832e-01 第4847次
迭代 f(x_4847) =8.542867850345761e-06, x1 = 9.970822610335440e-01, x2 =
9.941558111062551e-01 第4848次迭代 f(x_4848) =8.529077502545073e-06, x1 =
9.970800555115003e-01, x2 = 9.941631583337868e-01 第4849次迭代 f(x_4849)
=8.515310778156931e-06, x1 = 9.970868772573446e-01, x2 = 9.941652035853040e-01 第4850次

迭代 $f(x_{4850}) = 8.501506113775910e-06$, $x_1 = 9.970847614509303e-01$, $x_2 = 9.941726453519303e-01$ 第4851次迭代 $f(x_{4851}) = 8.487753887415489e-06$, $x_1 = 9.970916419884027e-01$, $x_2 = 9.941746523025941e-01$ 第4852次迭代 $f(x_{4852}) = 8.474027865848581e-06$, $x_1 = 9.970894591272517e-01$, $x_2 = 9.941821172224191e-01$ 第4853次迭代 $f(x_{4853}) = 8.460289208299426e-06$, $x_1 = 9.970963994454261e-01$, $x_2 = 9.941840853920951e-01$ 第4854次迭代 $f(x_{4854}) = 8.446633944429037e-06$, $x_1 = 9.970942012597743e-01$, $x_2 = 9.941913985939848e-01$ 第4855次迭代 $f(x_{4855}) = 8.432999410567436e-06$, $x_1 = 9.971009933475065e-01$, $x_2 = 9.941934322084038e-01$ 第4856次迭代 $f(x_{4856}) = 8.419330569499906e-06$, $x_1 = 9.970988840395802e-01$, $x_2 = 9.942008396921758e-01$ 第4857次迭代 $f(x_{4857}) = 8.405710173970900e-06$, $x_1 = 9.971057351047855e-01$, $x_2 = 9.942028349565469e-01$ 第4858次迭代 $f(x_{4858}) = 8.392119472192102e-06$, $x_1 = 9.971035585906689e-01$, $x_2 = 9.942102657197913e-01$ 第4859次迭代 $f(x_{4859}) = 8.378512284093250e-06$, $x_1 = 9.971104696291252e-01$, $x_2 = 9.942122221505595e-01$ 第4860次迭代 $f(x_{4860}) = 8.364991217062299e-06$, $x_1 = 9.971082774872541e-01$, $x_2 = 9.942195021223894e-01$ 第4861次迭代 $f(x_{4861}) = 8.351487060740389e-06$, $x_1 = 9.971150412996186e-01$, $x_2 = 9.942215235369430e-01$ 第4862次迭代 $f(x_{4862}) = 8.337953297686197e-06$, $x_1 = 9.971129372139910e-01$, $x_2 = 9.942288975285184e-01$ 第4863次迭代 $f(x_{4863}) = 8.324462911299947e-06$, $x_1 = 9.971197602021955e-01$, $x_2 = 9.942308805373518e-01$ 第4864次迭代 $f(x_{4864}) = 8.311006802634481e-06$, $x_1 = 9.971175887460914e-01$, $x_2 = 9.942382779408392e-01$ 第4865次迭代 $f(x_{4865}) = 8.297529253231139e-06$, $x_1 = 9.971244719128423e-01$, $x_2 = 9.942402220568644e-01$ 第4866次迭代 $f(x_{4866}) = 8.284141497187591e-06$, $x_1 = 9.971222845431652e-01$, $x_2 = 9.942474695829290e-01$ 第4867次迭代 $f(x_{4867}) = 8.270765933241573e-06$, $x_1 = 9.971290214418098e-01$, $x_2 = 9.942494782447953e-01$ 第4868次迭代 $f(x_{4868}) = 8.257366500288462e-06$, $x_1 = 9.971269213227619e-01$, $x_2 = 9.942568195238057e-01$ 第4869次迭代 $f(x_{4869}) = 8.244004329217929e-06$, $x_1 = 9.971337176082468e-01$, $x_2 = 9.942587897177469e-01$ 第4870次迭代 $f(x_{4870}) = 8.230681551812253e-06$, $x_1 = 9.971316007077898e-01$, $x_2 = 9.942659820645753e-01$ 第4871次迭代 $f(x_{4871}) = 8.217413737888718e-06$, $x_1 = 9.971384920384645e-01$, $x_2 = 9.942680884164391e-01$ 第4872次迭代 $f(x_{4872}) = 8.204190588356920e-06$, $x_1 = 9.971362646832322e-01$, $x_2 = 9.942750641097113e-01$ 第4873次迭代 $f(x_{4873}) = 8.191002865456036e-06$, $x_1 = 9.971429689395916e-01$, $x_2 = 9.942772552139421e-01$ 第4874次迭代 $f(x_{4874}) = 8.177777381983052e-06$, $x_1 = 9.971408258685431e-01$, $x_2 = 9.942844408288148e-01$ 第4875次迭代 $f(x_{4875}) = 8.164586742849194e-06$, $x_1 = 9.971474897282845e-01$, $x_2 = 9.942864513703974e-01$ 第4876次迭代 $f(x_{4876}) = 8.151346348589542e-06$, $x_1 = 9.971454325881578e-01$, $x_2 = 9.942937305128617e-01$ 第4877次迭代 $f(x_{4877}) = 8.138169049686061e-06$, $x_1 = 9.971521555908157e-01$, $x_2 = 9.942957027658645e-01$ 第4878次迭代 $f(x_{4878}) = 8.125004735605125e-06$, $x_1 = 9.971500311960183e-01$, $x_2 = 9.943030053784171e-01$ 第4879次迭代 $f(x_{4879}) = 8.111839851657958e-06$, $x_1 = 9.971568143526012e-01$, $x_2 = 9.943049388514448e-01$ 第4880次迭代 $f(x_{4880}) = 8.098745700628804e-06$, $x_1 = 9.971546730467579e-01$, $x_2 = 9.943120938673734e-01$ 第4881次迭代 $f(x_{4881}) = 8.085679492961377e-06$, $x_1 = 9.971613132058817e-01$, $x_2 = 9.943140903452898e-01$ 第4882次迭代 $f(x_{4882}) = 8.072571783796463e-06$, $x_1 = 9.971592570646231e-01$, $x_2 = 9.943213386099276e-01$ 第4883次迭代 $f(x_{4883}) = 8.059518519344996e-06$, $x_1 = 9.971659566056423e-01$, $x_2 = 9.943232967225699e-01$ 第4884次迭代 $f(x_{4884}) = 8.046486466318805e-06$, $x_1 = 9.971638330038082e-01$, $x_2 = 9.943305686097211e-01$ 第4885次迭代 $f(x_{4885}) = 8.033445216600422e-06$, $x_1 = 9.971705929453700e-01$, $x_2 = 9.943324878618072e-01$ 第4886次迭代 $f(x_{4886}) = 8.020481514116897e-06$, $x_1 = 9.971684522052146e-01$, $x_2 = 9.943396130244995e-01$ 第4887次迭代 $f(x_{4887}) = 8.007538045889395e-06$, $x_1 =$

9.971750699530921e-01, x2 = 9.943415949200807e-01 第4888次迭代 f(x_4888)
=7.994562262569938e-06, x1 = 9.971730136252307e-01, x2 = 9.943488130487956e-01 第4889次
迭代 f(x_4889) =7.981631332104291e-06, x1 = 9.971796910069219e-01, x2 =
9.943507564957267e-01 第4890次迭代 f(x_4890) =7.968730798939010e-06, x1 =
9.971775669993268e-01, x2 = 9.943579984057619e-01 第4891次迭代 f(x_4891)
=7.955811474166018e-06, x1 = 9.971843050413569e-01, x2 = 9.943599029047551e-01 第4892次
迭代 f(x_4892) =7.942977340847065e-06, x1 = 9.971821636830595e-01, x2 =
9.943669989513220e-01 第4893次迭代 f(x_4893) =7.930154942478127e-06, x1 =
9.971887602932176e-01, x2 = 9.943689657532263e-01 第4894次迭代 f(x_4894)
=7.917310327732472e-06, x1 = 9.971867026084998e-01, x2 = 9.943761544795453e-01 第4895次
迭代 f(x_4895) =7.904500053196998e-06, x1 = 9.971933591174661e-01, x2 =
9.943780827426748e-01 第4896次迭代 f(x_4896) =7.891729312487141e-06, x1 =
9.971912833014985e-01, x2 = 9.943851264962931e-01 第4897次迭代 f(x_4897)
=7.879009546163580e-06, x1 = 9.971980346483651e-01, x2 = 9.943871871913705e-01 第4898次
迭代 f(x_4898) =7.866333801745080e-06, x1 = 9.971958489907626e-01, x2 =
9.943940196569655e-01 第4899次迭代 f(x_4899) =7.853690432712136e-06, x1 =
9.972024187087212e-01, x2 = 9.943961625599707e-01 第4900次迭代 f(x_4900)
=7.841014118911784e-06, x1 = 9.972003138242831e-01, x2 = 9.944032014478674e-01 第4901次
迭代 f(x_4901) =7.828366152550825e-06, x1 = 9.972068457144498e-01, x2 =
9.944051666919972e-01 第4902次迭代 f(x_4902) =7.815677045290619e-06, x1 =
9.972048232897378e-01, x2 = 9.944122979998319e-01 第4903次迭代 f(x_4903)
=7.803041095504627e-06, x1 = 9.972114149030206e-01, x2 = 9.944142248491866e-01 第4904次
迭代 f(x_4904) =7.790425851474531e-06, x1 = 9.972093247891815e-01, x2 =
9.944213800566571e-01 第4905次迭代 f(x_4905) =7.777800990377173e-06, x1 =
9.972159771624556e-01, x2 = 9.944232680066210e-01 第4906次迭代 f(x_4906)
=7.765252261472231e-06, x1 = 9.972138688845380e-01, x2 = 9.944302795017378e-01 第4907次
迭代 f(x_4907) =7.752721494225214e-06, x1 = 9.972203826180176e-01, x2 =
9.944322284513003e-01 第4908次迭代 f(x_4908) =7.740161861327818e-06, x1 =
9.972183560948703e-01, x2 = 9.944393320706063e-01 第4909次迭代 f(x_4909)
=7.727642677849893e-06, x1 = 9.972249298450961e-01, x2 = 9.944412425204632e-01 第4910次
迭代 f(x_4910) =7.715156560742142e-06, x1 = 9.972228353709354e-01, x2 =
9.944483702187689e-01 第4911次迭代 f(x_4911) =7.702648028376376e-06, x1 =
9.972294701834149e-01, x2 = 9.944502416599224e-01 第4912次迭代 f(x_4912)
=7.690226017481605e-06, x1 = 9.972273573829384e-01, x2 = 9.944572264695148e-01 第4913次
迭代 f(x_4913) =7.677810855572471e-06, x1 = 9.972338541780248e-01, x2 =
9.944591586388266e-01 第4914次迭代 f(x_4914) =7.665379943201172e-06, x1 =
9.972318224393893e-01, x2 = 9.944662352739996e-01 第4915次迭代 f(x_4915)
=7.652975923770655e-06, x1 = 9.972383795583183e-01, x2 = 9.944681288317349e-01 第4916次
迭代 f(x_4916) =7.640616024842199e-06, x1 = 9.972363287737427e-01, x2 =
9.944750634303375e-01 第4917次迭代 f(x_4917) =7.628300928995319e-06, x1 =
9.972429805582362e-01, x2 = 9.944770866158648e-01 第4918次迭代 f(x_4918)
=7.616031218295774e-06, x1 = 9.972408204344589e-01, x2 = 9.944838139560535e-01 第4919次
迭代 f(x_4919) =7.603789898582063e-06, x1 = 9.972472944191079e-01, x2 =
9.944859175698225e-01 第4920次迭代 f(x_4920) =7.591522281569442e-06, x1 =
9.972452124391553e-01, x2 = 9.944928486808464e-01 第4921次迭代 f(x_4921)
=7.579273949402745e-06, x1 = 9.972516505462208e-01, x2 = 9.944947768216446e-01 第4922次
迭代 f(x_4922) =7.566995758739806e-06, x1 = 9.972496484874407e-01, x2 =
9.945017994757854e-01 第4923次迭代 f(x_4923) =7.554758421750123e-06, x1 =
9.972561467956917e-01, x2 = 9.945036891215630e-01 第4924次迭代 f(x_4924)
=7.542552498734681e-06, x1 = 9.972540766790805e-01, x2 = 9.945107360198737e-01 第4925次

迭代 $f(x_{4925}) = 7.530325225750594e-06$, $x_1 = 9.972606362460039e-01$, $x_2 = 9.945125866554934e-01$ 第4926次迭代 $f(x_{4926}) = 7.518182356152165e-06$, $x_1 = 9.972585471162888e-01$, $x_2 = 9.945194927245319e-01$ 第4927次迭代 $f(x_{4927}) = 7.506045950675126e-06$, $x_1 = 9.972649711170578e-01$, $x_2 = 9.945214029541424e-01$ 第4928次迭代 $f(x_{4928}) = 7.493894773984676e-06$, $x_1 = 9.972629612456032e-01$, $x_2 = 9.945284002599645e-01$ 第4929次迭代 $f(x_{4929}) = 7.481768903967780e-06$, $x_1 = 9.972694457839095e-01$, $x_2 = 9.945302718675771e-01$ 第4930次迭代 $f(x_{4930}) = 7.469687295633265e-06$, $x_1 = 9.972674162208136e-01$, $x_2 = 9.945371291700967e-01$ 第4931次迭代 $f(x_{4931}) = 7.457648450085260e-06$, $x_1 = 9.972739952615519e-01$, $x_2 = 9.945391284926288e-01$ 第4932次迭代 $f(x_{4932}) = 7.445654673821562e-06$, $x_1 = 9.972718567317240e-01$, $x_2 = 9.945457813044133e-01$ 第4933次迭代 $f(x_{4933}) = 7.433687764142344e-06$, $x_1 = 9.972782607495155e-01$, $x_2 = 9.945478597598143e-01$ 第4934次迭代 $f(x_{4934}) = 7.421696944086698e-06$, $x_1 = 9.972761985882044e-01$, $x_2 = 9.945547144932152e-01$ 第4935次迭代 $f(x_{4935}) = 7.409722215553794e-06$, $x_1 = 9.972825680157029e-01$, $x_2 = 9.945566190132589e-01$ 第4936次迭代 $f(x_{4936}) = 7.397721847654520e-06$, $x_1 = 9.972805840205110e-01$, $x_2 = 9.945635646863393e-01$ 第4937次迭代 $f(x_{4937}) = 7.385757479181486e-06$, $x_1 = 9.972870139004542e-01$, $x_2 = 9.945654306815199e-01$ 第4938次迭代 $f(x_{4938}) = 7.373827566568135e-06$, $x_1 = 9.972850097349560e-01$, $x_2 = 9.945722375582323e-01$ 第4939次迭代 $f(x_{4939}) = 7.361946412383168e-06$, $x_1 = 9.972915339397315e-01$, $x_2 = 9.945742302289096e-01$ 第4940次迭代 $f(x_{4940}) = 7.350106048440650e-06$, $x_1 = 9.972894210442492e-01$, $x_2 = 9.945808341675029e-01$ 第4941次迭代 $f(x_{4941}) = 7.338295589269310e-06$, $x_1 = 9.972957723137086e-01$, $x_2 = 9.945829049797050e-01$ 第4942次迭代 $f(x_{4942}) = 7.326455567263369e-06$, $x_1 = 9.972937348528754e-01$, $x_2 = 9.945897097586238e-01$ 第4943次迭代 $f(x_{4943}) = 7.314639548898850e-06$, $x_1 = 9.973000521219906e-01$, $x_2 = 9.945916075744229e-01$ 第4944次迭代 $f(x_{4944}) = 7.302789002012516e-06$, $x_1 = 9.972980917638683e-01$, $x_2 = 9.945985029869935e-01$ 第4945次迭代 $f(x_{4945}) = 7.290983150824442e-06$, $x_1 = 9.973044694221156e-01$, $x_2 = 9.946003623638114e-01$ 第4946次迭代 $f(x_{4946}) = 7.279202889048335e-06$, $x_1 = 9.973024409390630e-01$, $x_2 = 9.946072822270265e-01$ 第4947次迭代 $f(x_{4947}) = 7.267406278425288e-06$, $x_1 = 9.973088800611037e-01$, $x_2 = 9.946091026409075e-01$ 第4948次迭代 $f(x_{4948}) = 7.255687939944614e-06$, $x_1 = 9.973068315071035e-01$, $x_2 = 9.946158848599603e-01$ 第4949次迭代 $f(x_{4949}) = 7.243978312763475e-06$, $x_1 = 9.973131389330058e-01$, $x_2 = 9.946177630744751e-01$ 第4950次迭代 $f(x_{4950}) = 7.232252098988984e-06$, $x_1 = 9.973111668624941e-01$, $x_2 = 9.946246356102785e-01$ 第4951次迭代 $f(x_{4951}) = 7.220552151730803e-06$, $x_1 = 9.973175350594127e-01$, $x_2 = 9.946264752353281e-01$ 第4952次迭代 $f(x_{4952}) = 7.208893779727238e-06$, $x_1 = 9.973155423009011e-01$, $x_2 = 9.946332109134877e-01$ 第4953次迭代 $f(x_{4953}) = 7.197277167997829e-06$, $x_1 = 9.973220046855636e-01$, $x_2 = 9.946351753235945e-01$ 第4954次迭代 $f(x_{4954}) = 7.18570392555513e-06$, $x_1 = 9.973199035797361e-01$, $x_2 = 9.946417107736468e-01$ 第4955次迭代 $f(x_{4955}) = 7.174156394272840e-06$, $x_1 = 9.973261953580612e-01$, $x_2 = 9.946437522524876e-01$ 第4956次迭代 $f(x_{4956}) = 7.162586481905908e-06$, $x_1 = 9.973241679291919e-01$, $x_2 = 9.946504867333825e-01$ 第4957次迭代 $f(x_{4957}) = 7.151030737399288e-06$, $x_1 = 9.973304270344764e-01$, $x_2 = 9.946523566946771e-01$ 第4958次迭代 $f(x_{4958}) = 7.139452351428917e-06$, $x_1 = 9.973284750684170e-01$, $x_2 = 9.946591811743859e-01$ 第4959次迭代 $f(x_{4959}) = 7.127906068012460e-06$, $x_1 = 9.973347949189751e-01$, $x_2 = 9.946610126126870e-01$ 第4960次迭代 $f(x_{4960}) = 7.116395711765695e-06$, $x_1 = 9.973328218621156e-01$, $x_2 = 9.946677013864785e-01$ 第4961次迭代 $f(x_{4961}) = 7.104930155637366e-06$, $x_1 = 9.973392357361875e-01$, $x_2 = 9.946696565837826e-01$ 第4962次迭代 $f(x_{4962}) = 7.093505413430001e-06$, $x_1 =$

9.973371545764499e-01, x2 = 9.946761466485048e-01 第4963次迭代 f(x_4963)
=7.082107829652770e-06, x1 = 9.973433996707152e-01, x2 = 9.946781780529785e-01 第4964次
迭代 f(x_4964) =7.070685069020715e-06, x1 = 9.973413912655468e-01, x2 =
9.946848660889719e-01 第4965次迭代 f(x_4965) =7.059280431778949e-06, x1 =
9.973476042986198e-01, x2 = 9.946867268819847e-01 第4966次迭代 f(x_4966)
=7.047848830800162e-06, x1 = 9.973456703609841e-01, x2 = 9.946935045915025e-01 第4967次
迭代 f(x_4967) =7.036453419796716e-06, x1 = 9.973519441352200e-01, x2 =
9.946953269168225e-01 第4968次迭代 f(x_4968) =7.025089784944710e-06, x1 =
9.973499887309935e-01, x2 = 9.947019700524454e-01 第4969次迭代 f(x_4969)
=7.013772925357429e-06, x1 = 9.973563563696014e-01, x2 = 9.947039151153666e-01 第4970次
迭代 f(x_4970) =7.002494945120889e-06, x1 = 9.973542931094393e-01, x2 =
9.947103610490349e-01 第4971次迭代 f(x_4971) =6.991244997203101e-06, x1 =
9.973604937011183e-01, x2 = 9.947123815041101e-01 第4972次迭代 f(x_4972)
=6.979968106346620e-06, x1 = 9.973585022769847e-01, x2 = 9.947190243574100e-01 第4973次
迭代 f(x_4973) =6.968711868045113e-06, x1 = 9.973646714274663e-01, x2 =
9.947208750951692e-01 第4974次迭代 f(x_4974) =6.957425990437712e-06, x1 =
9.973627534998315e-01, x2 = 9.947276072898966e-01 第4975次迭代 f(x_4975)
=6.946178728038096e-06, x1 = 9.973689834089269e-01, x2 = 9.947294196041306e-01 第4976次
迭代 f(x_4976) =6.934960514502777e-06, x1 = 9.973670436646401e-01, x2 =
9.947360183379634e-01 第4977次迭代 f(x_4977) =6.923790039063104e-06, x1 =
9.973733672844990e-01, x2 = 9.947379523727797e-01 第4978次迭代 f(x_4978)
=6.912657099161042e-06, x1 = 9.973713199330702e-01, x2 = 9.947443554002476e-01 第4979次
迭代 f(x_4979) =6.901552520014929e-06, x1 = 9.973774781482007e-01, x2 =
9.947463640572619e-01 第4980次迭代 f(x_4980) =6.890420211715196e-06, x1 =
9.973755017175693e-01, x2 = 9.947529629608579e-01 第4981次迭代 f(x_4981)
=6.879309727433254e-06, x1 = 9.973816291198663e-01, x2 = 9.947548027827006e-01 第4982次
迭代 f(x_4982) =6.868168496007503e-06, x1 = 9.973797252378400e-01, x2 =
9.947614906893375e-01 第4983次迭代 f(x_4983) =6.857066722283354e-06, x1 =
9.973859134377125e-01, x2 = 9.947632921207178e-01 第4984次迭代 f(x_4984)
=6.845992621620880e-06, x1 = 9.973839412246729e-01, x2 = 9.947700048723160e-01 第4985次
迭代 f(x_4985) =6.834898636612390e-06, x1 = 9.973901913279037e-01, x2 =
9.947717673733290e-01 第4986次迭代 f(x_4986) =6.823882822764365e-06, x1 =
9.973881974935708e-01, x2 = 9.947783477314838e-01 第4987次迭代 f(x_4987)
=6.812869827758518e-06, x1 = 9.973943219095425e-01, x2 = 9.947801652679296e-01 第4988次
迭代 f(x_4988) =6.801848319737079e-06, x1 = 9.973924000689059e-01, x2 =
9.947868342990761e-01 第4989次迭代 f(x_4989) =6.790843502983969e-06, x1 =
9.973985857435272e-01, x2 = 9.947886132537366e-01 第4990次迭代 f(x_4990)
=6.779885312846086e-06, x1 = 9.973966417580706e-01, x2 = 9.947951506165392e-01 第4991次
迭代 f(x_4991) =6.768959885770787e-06, x1 = 9.974027036380521e-01, x2 =
9.947969836846272e-01 第4992次迭代 f(x_4992) =6.757991324582355e-06, x1 =
9.974008309603916e-01, x2 = 9.948036096610838e-01 第4993次迭代 f(x_4993)
=6.747074447653634e-06, x1 = 9.974069534662706e-01, x2 = 9.948054044898985e-01 第4994次
迭代 f(x_4994) =6.736171982332362e-06, x1 = 9.974050126840489e-01, x2 =
9.948120552732871e-01 第4995次迭代 f(x_4995) =6.725262741848949e-06, x1 =
9.974111969249853e-01, x2 = 9.948138113211352e-01 第4996次迭代 f(x_4996)
=6.714419680386984e-06, x1 = 9.974092340030385e-01, x2 = 9.948203311268329e-01 第4997次
迭代 f(x_4997) =6.703589548409049e-06, x1 = 9.974152945718562e-01, x2 =
9.948221412642593e-01 第4998次迭代 f(x_4998) =6.692739473517185e-06, x1 =
9.974134024190281e-01, x2 = 9.948287493503577e-01 第4999次迭代 f(x_4999)
=6.681917349977259e-06, x1 = 9.974195240936592e-01, x2 = 9.948305210474453e-01 第5000次

迭代 $f(x_{5000}) = 6.671131438757802e-06$, $x_1 = 9.974176093030179e-01$, $x_2 = 9.948369988644469e-01$ 第5001次迭代 $f(x_{5001}) = 6.660385155548501e-06$, $x_1 = 9.974238243345408e-01$, $x_2 = 9.948388892154817e-01$ 第5002次迭代 $f(x_{5002}) = 6.649678748770551e-06$, $x_1 = 9.974218026661228e-01$, $x_2 = 9.948451757651857e-01$ 第5003次迭代 $f(x_{5003}) = 6.638995720777926e-06$, $x_1 = 9.974278563009938e-01$, $x_2 = 9.948471388864772e-01$ 第5004次迭代 $f(x_{5004}) = 6.628293327468288e-06$, $x_1 = 9.974259027601976e-01$, $x_2 = 9.948536182574312e-01$ 第5005次迭代 $f(x_{5005}) = 6.617601398123708e-06$, $x_1 = 9.974319276347684e-01$, $x_2 = 9.948554150648262e-01$ 第5006次迭代 $f(x_{5006}) = 6.606892619813459e-06$, $x_1 = 9.974300439771285e-01$, $x_2 = 9.948619823624915e-01$ 第5007次迭代 $f(x_{5007}) = 6.596208391417665e-06$, $x_1 = 9.974361300611977e-01$, $x_2 = 9.948637407292162e-01$ 第5008次迭代 $f(x_{5008}) = 6.585562645730240e-06$, $x_1 = 9.974342235055110e-01$, $x_2 = 9.948701788016325e-01$ 第5009次迭代 $f(x_{5009}) = 6.574953939478809e-06$, $x_1 = 9.974404028200163e-01$, $x_2 = 9.948720548198667e-01$ 第5010次迭代 $f(x_{5010}) = 6.564385843535017e-06$, $x_1 = 9.974383896357256e-01$, $x_2 = 9.948783030786402e-01$ 第5011次迭代 $f(x_{5011}) = 6.553839538133610e-06$, $x_1 = 9.974444088625545e-01$, $x_2 = 9.948802512626532e-01$ 第5012次迭代 $f(x_{5012}) = 6.543276527981293e-06$, $x_1 = 9.974424628979984e-01$, $x_2 = 9.948866913340714e-01$ 第5013次迭代 $f(x_{5013}) = 6.532720373695885e-06$, $x_1 = 9.974484540292021e-01$, $x_2 = 9.948884740373946e-01$ 第5014次迭代 $f(x_{5014}) = 6.522151784891723e-06$, $x_1 = 9.974465770810992e-01$, $x_2 = 9.948950016773517e-01$ 第5015次迭代 $f(x_{5015}) = 6.511603010368916e-06$, $x_1 = 9.974526295470408e-01$, $x_2 = 9.948967459285569e-01$ 第5016次迭代 $f(x_{5016}) = 6.501096134423295e-06$, $x_1 = 9.974507294609390e-01$, $x_2 = 9.949031453710204e-01$ 第5017次迭代 $f(x_{5017}) = 6.490622801236685e-06$, $x_1 = 9.974566622434359e-01$, $x_2 = 9.949049418392957e-01$ 第5018次迭代 $f(x_{5018}) = 6.480106170995423e-06$, $x_1 = 9.974548305407862e-01$, $x_2 = 9.949114287728885e-01$ 第5019次迭代 $f(x_{5019}) = 6.469640555169425e-06$, $x_1 = 9.974608240598861e-01$, $x_2 = 9.949131871136816e-01$ 第5020次迭代 $f(x_{5020}) = 6.459187892971361e-06$, $x_1 = 9.974589242769458e-01$, $x_2 = 9.949196990345701e-01$ 第5021次迭代 $f(x_{5021}) = 6.448729087490222e-06$, $x_1 = 9.974649796600814e-01$, $x_2 = 9.949214186967970e-01$ 第5022次迭代 $f(x_{5022}) = 6.438333880253907e-06$, $x_1 = 9.974630567825190e-01$, $x_2 = 9.949278030771332e-01$ 第5023次迭代 $f(x_{5023}) = 6.427950339518903e-06$, $x_1 = 9.974689924764824e-01$, $x_2 = 9.949295749959824e-01$ 第5024次迭代 $f(x_{5024}) = 6.417549056652771e-06$, $x_1 = 9.974671374795036e-01$, $x_2 = 9.949360465288654e-01$ 第5025次迭代 $f(x_{5025}) = 6.407172664767467e-06$, $x_1 = 9.974731344425632e-01$, $x_2 = 9.949377800920589e-01$ 第5026次迭代 $f(x_{5026}) = 6.396833057442910e-06$, $x_1 = 9.974712559087022e-01$, $x_2 = 9.949441247553905e-01$ 第5027次迭代 $f(x_{5027}) = 6.386529632917826e-06$, $x_1 = 9.974773457354660e-01$, $x_2 = 9.949459737785711e-01$ 第5028次迭代 $f(x_{5028}) = 6.376265645218363e-06$, $x_1 = 9.974753611694201e-01$, $x_2 = 9.949521318472185e-01$ 第5029次迭代 $f(x_{5029}) = 6.366022604296510e-06$, $x_1 = 9.974812941768477e-01$, $x_2 = 9.949540515134100e-01$ 第5030次迭代 $f(x_{5030}) = 6.355763943275161e-06$, $x_1 = 9.974793748809183e-01$, $x_2 = 9.949603991101007e-01$ 第5031次迭代 $f(x_{5031}) = 6.345510830080248e-06$, $x_1 = 9.974852811519587e-01$, $x_2 = 9.949621552134766e-01$ 第5032次迭代 $f(x_{5032}) = 6.335247291071610e-06$, $x_1 = 9.974834289121534e-01$, $x_2 = 9.949685895948891e-01$ 第5033次迭代 $f(x_{5033}) = 6.325000975079232e-06$, $x_1 = 9.974893966256692e-01$, $x_2 = 9.949703073063372e-01$ 第5034次迭代 $f(x_{5034}) = 6.314797377440489e-06$, $x_1 = 9.974875206534960e-01$, $x_2 = 9.949766158104600e-01$ 第5035次迭代 $f(x_{5035}) = 6.304624010608435e-06$, $x_1 = 9.974933712808448e-01$, $x_2 = 9.949783845488255e-01$ 第5036次迭代 $f(x_{5036}) = 6.294411668186961e-06$, $x_1 = 9.974915617650412e-01$, $x_2 = 9.949847797493382e-01$ 第5037次迭代 $f(x_{5037}) = 6.284245414606315e-06$, $x_1 =$

9.974974732600248e-01, x2 = 9.949865104083789e-01 第5038次迭代 f(x_5038)
=6.274095672223652e-06, x1 = 9.974955956240724e-01, x2 = 9.949929307470256e-01 第5039次
迭代 f(x_5039) =6.263935627861832e-06, x1 = 9.975015691276801e-01, x2 =
9.949946227687065e-01 第5040次迭代 f(x_5040) =6.253841354694502e-06, x1 =
9.974996678258697e-01, x2 = 9.950009178655331e-01 第5041次迭代 f(x_5041)
=6.243754148480670e-06, x1 = 9.975055241549838e-01, x2 = 9.950026609944852e-01 第5042次
迭代 f(x_5042) =6.233655012875380e-06, x1 = 9.975036888284140e-01, x2 =
9.950090424468041e-01 第5043次迭代 f(x_5043) =6.223574333305324e-06, x1 =
9.975096065943214e-01, x2 = 9.950107472493698e-01 第5044次迭代 f(x_5044)
=6.213534556340337e-06, x1 = 9.975077471945979e-01, x2 = 9.950170041068082e-01 第5045次
迭代 f(x_5045) =6.203525408960177e-06, x1 = 9.975135493842529e-01, x2 =
9.950187592409743e-01 第5046次迭代 f(x_5046) =6.193477075981882e-06, x1 =
9.975117553779678e-01, x2 = 9.950251023597306e-01 第5047次迭代 f(x_5047)
=6.183474758690375e-06, x1 = 9.975176184430575e-01, x2 = 9.950268194731610e-01 第5048次
迭代 f(x_5048) =6.173488231034815e-06, x1 = 9.975157563595164e-01, x2 =
9.950331877805435e-01 第5049次迭代 f(x_5049) =6.163491843000754e-06, x1 =
9.975216814473888e-01, x2 = 9.950348663119289e-01 第5050次迭代 f(x_5050)
=6.153560094382906e-06, x1 = 9.975197953692265e-01, x2 = 9.950411106484460e-01 第5051次
迭代 f(x_5051) =6.143635161336496e-06, x1 = 9.975256047487632e-01, x2 =
9.950428396133885e-01 第5052次迭代 f(x_5052) =6.133698841973756e-06, x1 =
9.975237835943190e-01, x2 = 9.950491698693242e-01 第5053次迭代 f(x_5053)
=6.123780143238624e-06, x1 = 9.975296544381942e-01, x2 = 9.950508605562913e-01 第5054次
迭代 f(x_5054) =6.113902306799052e-06, x1 = 9.975278089008228e-01, x2 =
9.950570674751913e-01 第5055次迭代 f(x_5055) =6.104053805016093e-06, x1 =
9.975335655849590e-01, x2 = 9.950588078447077e-01 第5056次迭代 f(x_5056)
=6.094167865649165e-06, x1 = 9.975317844065558e-01, x2 = 9.950651005834349e-01 第5057次
迭代 f(x_5057) =6.084325889851114e-06, x1 = 9.975376020068002e-01, x2 =
9.950668029738527e-01 第5058次迭代 f(x_5058) =6.074501002770414e-06, x1 =
9.975357527604095e-01, x2 = 9.950731209679214e-01 第5059次迭代 f(x_5059)
=6.064664654436416e-06, x1 = 9.975416324310336e-01, x2 = 9.950747848143762e-01 第5060次
迭代 f(x_5060) =6.054893567241821e-06, x1 = 9.975397588914559e-01, x2 =
9.950809800844224e-01 第5061次迭代 f(x_5061) =6.045127371118757e-06, x1 =
9.975455242278647e-01, x2 = 9.950826937363045e-01 第5062次迭代 f(x_5062)
=6.035352266324442e-06, x1 = 9.975437145881833e-01, x2 = 9.950889744836192e-01 第5063次
迭代 f(x_5063) =6.025591991159134e-06, x1 = 9.975495414495695e-01, x2 =
9.950906498888785e-01 第5064次迭代 f(x_5064) =6.015874217582235e-06, x1 =
9.975477071463674e-01, x2 = 9.950968085334296e-01 第5065次迭代 f(x_5065)
=6.006182881575286e-06, x1 = 9.975534211746993e-01, x2 = 9.950985330166667e-01 第5066次
迭代 f(x_5066) =5.996457708677877e-06, x1 = 9.975516502228453e-01, x2 =
9.951047770338785e-01 第5067次迭代 f(x_5067) =5.986772574302346e-06, x1 =
9.975574252407201e-01, x2 = 9.951064635627638e-01 第5068次迭代 f(x_5068)
=5.977107741334303e-06, x1 = 9.975555861966356e-01, x2 = 9.951127329182031e-01 第5069次
迭代 f(x_5069) =5.967427911496284e-06, x1 = 9.975614233658198e-01, x2 =
9.951143809240318e-01 第5070次迭代 f(x_5070) =5.957815626523302e-06, x1 =
9.975595597583995e-01, x2 = 9.951205287791460e-01 第5071次迭代 f(x_5071)
=5.948204722381163e-06, x1 = 9.975652838789043e-01, x2 = 9.951222260061308e-01 第5072次
迭代 f(x_5072) =5.938589221260443e-06, x1 = 9.975634831736883e-01, x2 =
9.951284588910096e-01 第5073次迭代 f(x_5073) =5.928983904342200e-06, x1 =
9.975692689128185e-01, x2 = 9.951301178857124e-01 第5074次迭代 f(x_5074)
=5.919424321987293e-06, x1 = 9.975674432909466e-01, x2 = 9.951362298794639e-01 第5075次

迭代 $f(x_{5075}) = 5.909886759974233e-06$, $x_1 = 9.975731174372040e-01$, $x_2 = 9.951379373903898e-01$ 第5076次迭代 $f(x_{5076}) = 5.900320720101911e-06$, $x_1 = 9.975713541843890e-01$, $x_2 = 9.951441343046576e-01$ 第5077次迭代 $f(x_{5077}) = 5.890789015704153e-06$, $x_1 = 9.975770894263190e-01$, $x_2 = 9.951458038691263e-01$ 第5078次迭代 $f(x_{5078}) = 5.881282114949265e-06$, $x_1 = 9.975753009146503e-01$, $x_2 = 9.951518804944893e-01$ 第5079次迭代 $f(x_{5079}) = 5.871814421767415e-06$, $x_1 = 9.975811277476272e-01$, $x_2 = 9.951536594840614e-01$ 第5080次迭代 $f(x_{5080}) = 5.862379851151874e-06$, $x_1 = 9.975792350639174e-01$, $x_2 = 9.951595584643866e-01$ 第5081次迭代 $f(x_{5081}) = 5.852966934584863e-06$, $x_1 = 9.975849145351584e-01$, $x_2 = 9.951614036815744e-01$ 第5082次迭代 $f(x_{5082}) = 5.843535900559958e-06$, $x_1 = 9.975830818704969e-01$, $x_2 = 9.951674856592150e-01$ 第5083次迭代 $f(x_{5083}) = 5.834114491710487e-06$, $x_1 = 9.975887381455102e-01$, $x_2 = 9.951691728401078e-01$ 第5084次迭代 $f(x_{5084}) = 5.824679180554794e-06$, $x_1 = 9.975869671311551e-01$, $x_2 = 9.951753393498095e-01$ 第5085次迭代 $f(x_{5085}) = 5.815263197414345e-06$, $x_1 = 9.975926848111879e-01$, $x_2 = 9.951769884778745e-01$ 第5086次迭代 $f(x_{5086}) = 5.805884262975399e-06$, $x_1 = 9.975908884529743e-01$, $x_2 = 9.951830355984748e-01$ 第5087次迭代 $f(x_{5087}) = 5.796534269980783e-06$, $x_1 = 9.975964965286589e-01$, $x_2 = 9.951847323176503e-01$ 第5088次迭代 $f(x_{5088}) = 5.787148023221577e-06$, $x_1 = 9.975947613071536e-01$, $x_2 = 9.951908638549207e-01$ 第5089次迭代 $f(x_{5089}) = 5.777803709845704e-06$, $x_1 = 9.976004302824283e-01$, $x_2 = 9.951925227980865e-01$ 第5090次迭代 $f(x_{5090}) = 5.768476080784822e-06$, $x_1 = 9.975986271677284e-01$, $x_2 = 9.951986797275483e-01$ 第5091次迭代 $f(x_{5091}) = 5.759136559143967e-06$, $x_1 = 9.976043582161817e-01$, $x_2 = 9.952003003198875e-01$ 第5092次迭代 $f(x_{5092}) = 5.749860338303508e-06$, $x_1 = 9.976025298790856e-01$, $x_2 = 9.952063384404370e-01$ 第5093次迭代 $f(x_{5093}) = 5.740586854992906e-06$, $x_1 = 9.976081510227567e-01$, $x_2 = 9.952080068088720e-01$ 第5094次迭代 $f(x_{5094}) = 5.731307687871807e-06$, $x_1 = 9.976063833938703e-01$, $x_2 = 9.952141290029121e-01$ 第5095次迭代 $f(x_{5095}) = 5.722039252574834e-06$, $x_1 = 9.976120661078856e-01$, $x_2 = 9.952157592959221e-01$ 第5096次迭代 $f(x_{5096}) = 5.712814494816464e-06$, $x_1 = 9.976102729403696e-01$, $x_2 = 9.952217632639956e-01$ 第5097次迭代 $f(x_{5097}) = 5.703611021682471e-06$, $x_1 = 9.976158471047351e-01$, $x_2 = 9.952234406781564e-01$ 第5098次迭代 $f(x_{5098}) = 5.694380401539426e-06$, $x_1 = 9.976141141455509e-01$, $x_2 = 9.952295286004756e-01$ 第5099次迭代 $f(x_{5099}) = 5.685182221583988e-06$, $x_1 = 9.976197493866213e-01$, $x_2 = 9.952311682099334e-01$ 第5100次迭代 $f(x_{5100}) = 5.676008878478966e-06$, $x_1 = 9.976179905825762e-01$, $x_2 = 9.952371384828427e-01$ 第5101次迭代 $f(x_{5101}) = 5.666872497348850e-06$, $x_1 = 9.976237168786412e-01$, $x_2 = 9.952388850483306e-01$ 第5102次迭代 $f(x_{5102}) = 5.657768698980494e-06$, $x_1 = 9.976218547087763e-01$, $x_2 = 9.952446813264816e-01$ 第5103次迭代 $f(x_{5103}) = 5.648684982021624e-06$, $x_1 = 9.976274371885461e-01$, $x_2 = 9.952464924757704e-01$ 第5104次迭代 $f(x_{5104}) = 5.639585468076443e-06$, $x_1 = 9.976256329034209e-01$, $x_2 = 9.952524690615560e-01$ 第5105次迭代 $f(x_{5105}) = 5.630492624588391e-06$, $x_1 = 9.976311936577175e-01$, $x_2 = 9.952541244328774e-01$ 第5106次迭代 $f(x_{5106}) = 5.621389778569095e-06$, $x_1 = 9.976294488989607e-01$, $x_2 = 9.952601845792842e-01$ 第5107次迭代 $f(x_{5107}) = 5.612301765749606e-06$, $x_1 = 9.976350710958668e-01$, $x_2 = 9.952618020103897e-01$ 第5108次迭代 $f(x_{5108}) = 5.603253075034780e-06$, $x_1 = 9.976333004452879e-01$, $x_2 = 9.952677453729116e-01$ 第5109次迭代 $f(x_{5109}) = 5.594228455898209e-06$, $x_1 = 9.976388158514385e-01$, $x_2 = 9.952694091137549e-01$ 第5110次迭代 $f(x_{5110}) = 5.585173695764497e-06$, $x_1 = 9.976371042448422e-01$, $x_2 = 9.952754359124762e-01$ 第5111次迭代 $f(x_{5111}) = 5.576154138022906e-06$, $x_1 = 9.976426806165479e-01$, $x_2 = 9.952770619752933e-01$ 第5112次迭代 $f(x_{5112}) = 5.567156207811219e-06$, $x_1 =$

9.976409428309239e-01, x2 = 9.952829725530448e-01 第5113次迭代 f(x_5113)
=5.558196388467732e-06, x1 = 9.976466099133181e-01, x2 = 9.952847042726837e-01 第5114次
迭代 f(x_5114) =5.549267517189009e-06, x1 = 9.976447692280905e-01, x2 =
9.952904428014951e-01 第5115次迭代 f(x_5115) =5.540359182176815e-06, x1 =
9.976502945722926e-01, x2 = 9.952922381351903e-01 第5116次迭代 f(x_5116)
=5.531433958058981e-06, x1 = 9.976485106746287e-01, x2 = 9.952981555006660e-01 第5117次
迭代 f(x_5117) =5.522517071849565e-06, x1 = 9.976540150088540e-01, x2 =
9.952997963079491e-01 第5118次迭代 f(x_5118) =5.513588485305408e-06, x1 =
9.976522894921874e-01, x2 = 9.953057967136193e-01 第5119次迭代 f(x_5119)
=5.504676182436558e-06, x1 = 9.976578551878228e-01, x2 = 9.953073996919239e-01 第5120次
迭代 f(x_5120) =5.495801123526676e-06, x1 = 9.976561034646543e-01, x2 =
9.953132847242073e-01 第5121次迭代 f(x_5121) =5.486950748536768e-06, x1 =
9.976615640070259e-01, x2 = 9.953149332609355e-01 第5122次迭代 f(x_5122)
=5.478069754540761e-06, x1 = 9.976598701989052e-01, x2 = 9.953209012043082e-01 第5123次
迭代 f(x_5123) =5.469224180247823e-06, x1 = 9.976653916417136e-01, x2 =
9.953225121659702e-01 第5124次迭代 f(x_5124) =5.460399211214856e-06, x1 =
9.976636713576756e-01, x2 = 9.953283652858892e-01 第5125次迭代 f(x_5125)
=5.451611946174642e-06, x1 = 9.976692831853035e-01, x2 = 9.953300806102323e-01 第5126次
迭代 f(x_5126) =5.442854906758801e-06, x1 = 9.976674604625838e-01, x2 =
9.953357636085007e-01 第5127次迭代 f(x_5127) =5.434118015133371e-06, x1 =
9.976729324765513e-01, x2 = 9.953375416533368e-01 第5128次迭代 f(x_5128)
=5.425364661389367e-06, x1 = 9.976711654431895e-01, x2 = 9.953434020373967e-01 第5129次
迭代 f(x_5129) =5.416619203171369e-06, x1 = 9.976766171844095e-01, x2 =
9.953450267808849e-01 第5130次迭代 f(x_5130) =5.407862788335405e-06, x1 =
9.976749074206852e-01, x2 = 9.953509696782820e-01 第5131次迭代 f(x_5131)
=5.399121637628267e-06, x1 = 9.976804204881426e-01, x2 = 9.953525566803209e-01 第5132次
迭代 f(x_5132) =5.390417776174918e-06, x1 = 9.976786842389965e-01, x2 =
9.953583855847458e-01 第5133次迭代 f(x_5133) =5.381737183667423e-06, x1 =
9.976840936749221e-01, x2 = 9.953600174511714e-01 第5134次迭代 f(x_5134)
=5.373027840360263e-06, x1 = 9.976824142449154e-01, x2 = 9.953659287356033e-01 第5135次
迭代 f(x_5135) =5.364351760325264e-06, x1 = 9.976878845617176e-01, x2 =
9.953675231064514e-01 第5136次迭代 f(x_5136) =5.355697304750507e-06, x1 =
9.976861783935141e-01, x2 = 9.953733209354784e-01 第5137次迭代 f(x_5137)
=5.347078694633233e-06, x1 = 9.976917387884179e-01, x2 = 9.953750183794370e-01 第5138次
迭代 f(x_5138) =5.338490440078925e-06, x1 = 9.976899306359476e-01, x2 =
9.953806479963881e-01 第5139次迭代 f(x_5139) =5.329921157311383e-06, x1 =
9.976953529948102e-01, x2 = 9.953824073401278e-01 第5140次迭代 f(x_5140)
=5.321337258766388e-06, x1 = 9.976935994314892e-01, x2 = 9.953882129123907e-01 第5141次
迭代 f(x_5141) =5.312758841301587e-06, x1 = 9.976990022768104e-01, x2 =
9.953898201533877e-01 第5142次迭代 f(x_5142) =5.304172493698540e-06, x1 =
9.976973049034806e-01, x2 = 9.953957077067465e-01 第5143次迭代 f(x_5143)
=5.295598080687985e-06, x1 = 9.977027690854793e-01, x2 = 9.953972772703297e-01 第5144次
迭代 f(x_5144) =5.287062989549030e-06, x1 = 9.977010449810081e-01, x2 =
9.954030521824494e-01 第5145次迭代 f(x_5145) =5.278547855299802e-06, x1 =
9.977064069426468e-01, x2 = 9.954046659710615e-01 第5146次迭代 f(x_5146)
=5.270008034616842e-06, x1 = 9.977047385922000e-01, x2 = 9.954105227271485e-01 第5147次
迭代 f(x_5147) =5.261497098275779e-06, x1 = 9.977101614603349e-01, x2 =
9.954120990763973e-01 第5148次迭代 f(x_5148) =5.253010718419980e-06, x1 =
9.977084661415399e-01, x2 = 9.954178437170234e-01 第5149次迭代 f(x_5149)
=5.244556965761739e-06, x1 = 9.977139788009112e-01, x2 = 9.954195218538926e-01 第5150次

迭代 $f(x_{5150}) = 5.236134498081129e-06$, $x_1 = 9.977121819446065e-01$, $x_2 = 9.954251001750855e-01$ 第5151次迭代 $f(x_{5151}) = 5.227729087901091e-06$, $x_1 = 9.977175582047644e-01$, $x_2 = 9.954268394608149e-01$ 第5152次迭代 $f(x_{5152}) = 5.219312239631960e-06$, $x_1 = 9.977158148344494e-01$, $x_2 = 9.954325923275167e-01$ 第5153次迭代 $f(x_{5153}) = 5.210896607463767e-06$, $x_1 = 9.977211723625319e-01$, $x_2 = 9.954341806826608e-01$ 第5154次迭代 $f(x_{5154}) = 5.202478214404292e-06$, $x_1 = 9.977194841321205e-01$, $x_2 = 9.954400149938096e-01$ 第5155次迭代 $f(x_{5155}) = 5.194066257481560e-06$, $x_1 = 9.977249030526149e-01$, $x_2 = 9.954415657122490e-01$ 第5156次迭代 $f(x_{5156}) = 5.185697522384122e-06$, $x_1 = 9.977231878761601e-01$, $x_2 = 9.954472887065224e-01$ 第5157次迭代 $f(x_{5157}) = 5.177343649747084e-06$, $x_1 = 9.977285058816959e-01$, $x_2 = 9.954488830629181e-01$ 第5158次迭代 $f(x_{5158}) = 5.168971219083487e-06$, $x_1 = 9.977268454228498e-01$, $x_2 = 9.954546873611082e-01$ 第5159次迭代 $f(x_{5159}) = 5.160621204447530e-06$, $x_1 = 9.977322244053952e-01$, $x_2 = 9.954562443112314e-01$ 第5160次迭代 $f(x_{5160}) = 5.152300477924309e-06$, $x_1 = 9.977305367778670e-01$, $x_2 = 9.954619378070748e-01$ 第5161次迭代 $f(x_{5161}) = 5.144007713525563e-06$, $x_1 = 9.977358159343365e-01$, $x_2 = 9.954635378723267e-01$ 第5162次迭代 $f(x_{5162}) = 5.135681227130676e-06$, $x_1 = 9.977341826084192e-01$, $x_2 = 9.954693125295443e-01$ 第5163次迭代 $f(x_{5163}) = 5.127392495370536e-06$, $x_1 = 9.977395223342435e-01$, $x_2 = 9.954708754150049e-01$ 第5164次迭代 $f(x_{5164}) = 5.119119288928359e-06$, $x_1 = 9.977378217980767e-01$, $x_2 = 9.954766756190107e-01$ 第5165次迭代 $f(x_{5165}) = 5.110833731431634e-06$, $x_1 = 9.977432233046404e-01$, $x_2 = 9.954782007303197e-01$ 第5166次迭代 $f(x_{5166}) = 5.102606805669441e-06$, $x_1 = 9.977414957723375e-01$, $x_2 = 9.954838906491186e-01$ 第5167次迭代 $f(x_{5167}) = 5.094378709763199e-06$, $x_1 = 9.977467969107654e-01$, $x_2 = 9.954854591793857e-01$ 第5168次迭代 $f(x_{5168}) = 5.086150863273569e-06$, $x_1 = 9.977451233029998e-01$, $x_2 = 9.954912299231300e-01$ 第5169次迭代 $f(x_{5169}) = 5.077926119242754e-06$, $x_1 = 9.977504858168447e-01$, $x_2 = 9.954927609044500e-01$ 第5170次迭代 $f(x_{5170}) = 5.069746525871193e-06$, $x_1 = 9.977487849999689e-01$, $x_2 = 9.954984218694062e-01$ 第5171次迭代 $f(x_{5171}) = 5.061578431920078e-06$, $x_1 = 9.977540482053333e-01$, $x_2 = 9.954999957613085e-01$ 第5172次迭代 $f(x_{5172}) = 5.053395920200581e-06$, $x_1 = 9.977524009062361e-01$, $x_2 = 9.955057374068808e-01$ 第5173次迭代 $f(x_{5173}) = 5.045231347876380e-06$, $x_1 = 9.977577250892975e-01$, $x_2 = 9.955072739711629e-01$ 第5174次迭代 $f(x_{5174}) = 5.037098972715744e-06$, $x_1 = 9.977560503750856e-01$, $x_2 = 9.955129063395767e-01$ 第5175次迭代 $f(x_{5175}) = 5.028990258956435e-06$, $x_1 = 9.977612762887919e-01$, $x_2 = 9.955144853162715e-01$ 第5176次迭代 $f(x_{5176}) = 5.020853048187739e-06$, $x_1 = 9.977596546914955e-01$, $x_2 = 9.955201982191481e-01$ 第5177次迭代 $f(x_{5177}) = 5.012748018200536e-06$, $x_1 = 9.977649411926597e-01$, $x_2 = 9.955217400857329e-01$ 第5178次迭代 $f(x_{5178}) = 5.004662741538750e-06$, $x_1 = 9.977632919810325e-01$, $x_2 = 9.955273442083875e-01$ 第5179次迭代 $f(x_{5179}) = 4.996610931155949e-06$, $x_1 = 9.977686673581713e-01$, $x_2 = 9.955289848060705e-01$ 第5180次迭代 $f(x_{5180}) = 4.988587684121981e-06$, $x_1 = 9.977669178282147e-01$, $x_2 = 9.955344272035695e-01$ 第5181次迭代 $f(x_{5181}) = 4.980581613091683e-06$, $x_1 = 9.977721614998163e-01$, $x_2 = 9.955361267692718e-01$ 第5182次迭代 $f(x_{5182}) = 4.972563232178674e-06$, $x_1 = 9.977704629300600e-01$, $x_2 = 9.955417401514983e-01$ 第5183次迭代 $f(x_{5183}) = 4.964547666960868e-06$, $x_1 = 9.977756895078466e-01$, $x_2 = 9.955432918110821e-01$ 第5184次迭代 $f(x_{5184}) = 4.956527970727841e-06$, $x_1 = 9.977740434763008e-01$, $x_2 = 9.955489853275235e-01$ 第5185次迭代 $f(x_{5185}) = 4.948515534540012e-06$, $x_1 = 9.977793311987578e-01$, $x_2 = 9.955504996429071e-01$ 第5186次迭代 $f(x_{5186}) = 4.940543657299028e-06$, $x_1 = 9.977776576105357e-01$, $x_2 = 9.955560851404782e-01$ 第5187次迭代 $f(x_{5187}) = 4.932586087750395e-06$, $x_1 =$

9.977828481136002e-01, x2 = 9.955576414074402e-01 第5188次迭代 f(x_5188)
=4.924611082880290e-06, x1 = 9.977812266743836e-01, x2 = 9.955633068905956e-01 第5189次
迭代 f(x_5189) =4.916656795741458e-06, x1 = 9.977864779456681e-01, x2 =
9.955648260237511e-01 第5190次迭代 f(x_5190) =4.908731296804756e-06, x1 =
9.977848287627802e-01, x2 = 9.955703839749956e-01 第5191次迭代 f(x_5191)
=4.900831134635582e-06, x1 = 9.977899837960708e-01, x2 = 9.955719445901741e-01 第5192次
迭代 f(x_5192) =4.892900769128829e-06, x1 = 9.977883863784360e-01, x2 =
9.955775823767558e-01 第5193次迭代 f(x_5193) =4.885004035742121e-06, x1 =
9.977936018106617e-01, x2 = 9.955791060648639e-01 第5194次迭代 f(x_5194)
=4.877124784943677e-06, x1 = 9.977919764686135e-01, x2 = 9.955846368020858e-01 第5195次
迭代 f(x_5195) =4.869279297920051e-06, x1 = 9.977972802734869e-01, x2 =
9.955862576344897e-01 第5196次迭代 f(x_5196) =4.861461049617198e-06, x1 =
9.977955552754100e-01, x2 = 9.955916290378179e-01 第5197次迭代 f(x_5197)
=4.853659976979949e-06, x1 = 9.978007297960189e-01, x2 = 9.955933077145382e-01 第5198次
迭代 f(x_5198) =4.845846249659295e-06, x1 = 9.977990544610054e-01, x2 =
9.955988482275677e-01 第5199次迭代 f(x_5199) =4.838036026216935e-06, x1 =
9.978042127225946e-01, x2 = 9.956003805915805e-01 第5200次迭代 f(x_5200)
=4.830221110627459e-06, x1 = 9.978025885908096e-01, x2 = 9.956060005402424e-01 第5201次
迭代 f(x_5201) =4.822413745647181e-06, x1 = 9.978078078455555e-01, x2 =
9.956074957240157e-01 第5202次迭代 f(x_5202) =4.814645675563558e-06, x1 =
9.978061558633787e-01, x2 = 9.956130093662575e-01 第5203次迭代 f(x_5203)
=4.806891541546674e-06, x1 = 9.978112798032061e-01, x2 = 9.956145456338806e-01 第5204次
迭代 f(x_5204) =4.799120637847648e-06, x1 = 9.978096786512012e-01, x2 =
9.956201385594686e-01 第5205次迭代 f(x_5205) =4.791369500793180e-06, x1 =
9.978148632282154e-01, x2 = 9.956216378467123e-01 第5206次迭代 f(x_5206)
=4.783646953389706e-06, x1 = 9.978132340561792e-01, x2 = 9.956271249390651e-01 第5207次
迭代 f(x_5207) =4.775948350994233e-06, x1 = 9.978183242457515e-01, x2 =
9.956286648673157e-01 第5208次迭代 f(x_5208) =4.768221391781369e-06, x1 =
9.978167455358775e-01, x2 = 9.956342310893006e-01 第5209次迭代 f(x_5209)
=4.760525918377105e-06, x1 = 9.978218960135417e-01, x2 = 9.956357342335206e-01 第5210次
迭代 f(x_5210) =4.752848754941795e-06, x1 = 9.978202891197604e-01, x2 =
9.956411950913081e-01 第5211次迭代 f(x_5211) =4.745203449079547e-06, x1 =
9.978255275025889e-01, x2 = 9.956427937988449e-01 第5212次迭代 f(x_5212)
=4.737585353590692e-06, x1 = 9.978238215995311e-01, x2 = 9.956480976865825e-01 第5213次
迭代 f(x_5213) =4.729983234922462e-06, x1 = 9.978289328878996e-01, x2 =
9.956497532294278e-01 第5214次迭代 f(x_5214) =4.722370279184505e-06, x1 =
9.978272753435403e-01, x2 = 9.956552243880128e-01 第5215次迭代 f(x_5215)
=4.714758508198932e-06, x1 = 9.978323712469708e-01, x2 = 9.956567351659475e-01 第5216次
迭代 f(x_5216) =4.707144968210211e-06, x1 = 9.978307636176260e-01, x2 =
9.956622850557901e-01 第5217次迭代 f(x_5217) =4.699535740526238e-06, x1 =
9.978359204405376e-01, x2 = 9.956637587773759e-01 第5218次迭代 f(x_5218)
=4.691967583359781e-06, x1 = 9.978342847157694e-01, x2 = 9.956692040286367e-01 第5219次
迭代 f(x_5219) =4.684410086776391e-06, x1 = 9.978393479546258e-01, x2 =
9.956707180521220e-01 第5220次迭代 f(x_5220) =4.676839850854027e-06, x1 =
9.978377617866778e-01, x2 = 9.956762418792851e-01 第5221次迭代 f(x_5221)
=4.669285022505219e-06, x1 = 9.978428856088176e-01, x2 = 9.956777190361065e-01 第5222次
迭代 f(x_5222) =4.661761521901266e-06, x1 = 9.978412711916536e-01, x2 =
9.956831386849194e-01 第5223次迭代 f(x_5223) =4.654257769756452e-06, x1 =
9.978463023067554e-01, x2 = 9.956846557257789e-01 第5224次迭代 f(x_5224)
=4.646730757513264e-06, x1 = 9.978447370928928e-01, x2 = 9.956901537938825e-01 第5225次

迭代 $f(x_{5225}) = 4.639229792544010e-06$, $x_1 = 9.978498284616878e-01$, $x_2 = 9.956916341543868e-01$ 第5226次迭代 $f(x_{5226}) = 4.631750802900719e-06$, $x_1 = 9.978482348501330e-01$, $x_2 = 9.956970285004656e-01$ 第5227次迭代 $f(x_{5227}) = 4.624299747048749e-06$, $x_1 = 9.978534136935150e-01$, $x_2 = 9.956986028482901e-01$ 第5228次迭代 $f(x_{5228}) = 4.616877062263207e-06$, $x_1 = 9.978517217018471e-01$, $x_2 = 9.957038425622255e-01$ 第5229次迭代 $f(x_{5229}) = 4.609468056991808e-06$, $x_1 = 9.978567754218036e-01$, $x_2 = 9.957054728446995e-01$ 第5230次迭代 $f(x_{5230}) = 4.602052015653984e-06$, $x_1 = 9.978551304756267e-01$, $x_2 = 9.957108780271835e-01$ 第5231次迭代 $f(x_{5231}) = 4.594632080156382e-06$, $x_1 = 9.978601697242124e-01$, $x_2 = 9.957123650471708e-01$ 第5232次迭代 $f(x_{5232}) = 4.587216497567298e-06$, $x_1 = 9.978585734473983e-01$, $x_2 = 9.957178482526218e-01$ 第5233次迭代 $f(x_{5233}) = 4.579798748190165e-06$, $x_1 = 9.978636736185219e-01$, $x_2 = 9.957192983006511e-01$ 第5234次迭代 $f(x_{5234}) = 4.572426639265565e-06$, $x_1 = 9.978620490452275e-01$, $x_2 = 9.957246784933689e-01$ 第5235次迭代 $f(x_{5235}) = 4.565059246538672e-06$, $x_1 = 9.978670571994481e-01$, $x_2 = 9.957261681421806e-01$ 第5236次迭代 $f(x_{5236}) = 4.557686238539096e-06$, $x_1 = 9.978654809510049e-01$, $x_2 = 9.957316261999747e-01$ 第5237次迭代 $f(x_{5237}) = 4.550321144448386e-06$, $x_1 = 9.978705497107050e-01$, $x_2 = 9.957330790566593e-01$ 第5238次迭代 $f(x_{5238}) = 4.542992819984355e-06$, $x_1 = 9.978689450264602e-01$, $x_2 = 9.957384345497536e-01$ 第5239次迭代 $f(x_{5239}) = 4.535677465554565e-06$, $x_1 = 9.978739225989671e-01$, $x_2 = 9.957399266127659e-01$ 第5240次迭代 $f(x_{5240}) = 4.528346940886360e-06$, $x_1 = 9.978723658993972e-01$, $x_2 = 9.957453598119453e-01$ 第5241次迭代 $f(x_{5241}) = 4.521033992045651e-06$, $x_1 = 9.978774037666872e-01$, $x_2 = 9.957468152594090e-01$ 第5242次迭代 $f(x_{5242}) = 4.513749300990300e-06$, $x_1 = 9.978758184969015e-01$, $x_2 = 9.957521463382372e-01$ 第5243次迭代 $f(x_{5243}) = 4.506485488634846e-06$, $x_1 = 9.978807659911324e-01$, $x_2 = 9.957536406053020e-01$ 第5244次迭代 $f(x_{5244}) = 4.499197351145854e-06$, $x_1 = 9.978792283700815e-01$, $x_2 = 9.957590492301706e-01$ 第5245次迭代 $f(x_{5245}) = 4.491936045937713e-06$, $x_1 = 9.978842358546682e-01$, $x_2 = 9.957605070550596e-01$ 第5246次迭代 $f(x_{5246}) = 4.484694834304371e-06$, $x_1 = 9.978826695337709e-01$, $x_2 = 9.957658140003061e-01$ 第5247次迭代 $f(x_{5247}) = 4.477481384831743e-06$, $x_1 = 9.978877638381126e-01$, $x_2 = 9.957673639331798e-01$ 第5248次迭代 $f(x_{5248}) = 4.470295067152015e-06$, $x_1 = 9.978860999861680e-01$, $x_2 = 9.957725190894077e-01$ 第5249次迭代 $f(x_{5249}) = 4.463122172605873e-06$, $x_1 = 9.978910719650460e-01$, $x_2 = 9.957741236625099e-01$ 第5250次迭代 $f(x_{5250}) = 4.455942289296206e-06$, $x_1 = 9.978894536526219e-01$, $x_2 = 9.957794420110565e-01$ 第5251次迭代 $f(x_{5251}) = 4.448758708252621e-06$, $x_1 = 9.978944121196390e-01$, $x_2 = 9.957809052555059e-01$ 第5252次迭代 $f(x_{5252}) = 4.441579499922733e-06$, $x_1 = 9.978928409376967e-01$, $x_2 = 9.957863007565888e-01$ 第5253次迭代 $f(x_{5253}) = 4.434397808979132e-06$, $x_1 = 9.978978601077062e-01$, $x_2 = 9.957877272446782e-01$ 第5254次迭代 $f(x_{5254}) = 4.427260835952734e-06$, $x_1 = 9.978962603417890e-01$, $x_2 = 9.957930217558336e-01$ 第5255次迭代 $f(x_{5255}) = 4.420127661377914e-06$, $x_1 = 9.979011896925390e-01$, $x_2 = 9.957944868474801e-01$ 第5256次迭代 $f(x_{5256}) = 4.412990182059330e-06$, $x_1 = 9.978996367292149e-01$, $x_2 = 9.957998583502740e-01$ 第5257次迭代 $f(x_{5257}) = 4.405858993510885e-06$, $x_1 = 9.979046264906140e-01$, $x_2 = 9.958012868526834e-01$ 第5258次迭代 $f(x_{5258}) = 4.398764775520049e-06$, $x_1 = 9.979030448217389e-01$, $x_2 = 9.958065577985984e-01$ 第5259次迭代 $f(x_{5259}) = 4.391681533938804e-06$, $x_1 = 9.979079455344785e-01$, $x_2 = 9.958080245393598e-01$ 第5260次迭代 $f(x_{5260}) = 4.384585679057930e-06$, $x_1 = 9.979064103442384e-01$, $x_2 = 9.958133723151004e-01$ 第5261次迭代 $f(x_{5261}) = 4.377504514404326e-06$, $x_1 = 9.979113711813343e-01$, $x_2 = 9.958148026306525e-01$ 第5262次迭代 $f(x_{5262}) = 4.370452893681194e-06$, $x_1 =$

9.979098071683852e-01, x2 = 9.958200502791429e-01 第5263次迭代 f(x_5263)
=4.363419119010878e-06, x1 = 9.979146797130387e-01, x2 = 9.958215184749740e-01 第5264次
迭代 f(x_5264) =4.356364779908723e-06, x1 = 9.979131618586072e-01, x2 =
9.958268427906040e-01 第5265次迭代 f(x_5265) =4.349333168187764e-06, x1 =
9.979180942472914e-01, x2 = 9.958282747222003e-01 第5266次迭代 f(x_5266)
=4.342323984586457e-06, x1 = 9.979165474573000e-01, x2 = 9.958334993368482e-01 第5267次
迭代 f(x_5267) =4.335339217934848e-06, x1 = 9.979213922956571e-01, x2 =
9.958349687976422e-01 第5268次迭代 f(x_5268) =4.328326282062087e-06, x1 =
9.979198913478190e-01, x2 = 9.958402699159108e-01 第5269次迭代 f(x_5269)
=4.321343759644843e-06, x1 = 9.979247957557670e-01, x2 = 9.958417032704320e-01 第5270次
迭代 f(x_5270) =4.314376850778734e-06, x1 = 9.979232657637157e-01, x2 =
9.958469051106846e-01 第5271次迭代 f(x_5271) =4.307439182056506e-06, x1 =
9.979282561451644e-01, x2 = 9.958484283949879e-01 第5272次迭代 f(x_5272)
=4.300526239062776e-06, x1 = 9.979266296769810e-01, x2 = 9.958534817706336e-01 第5273次
迭代 f(x_5273) =4.293627358876535e-06, x1 = 9.979315011464335e-01, x2 =
9.958550581117785e-01 第5274次迭代 f(x_5274) =4.286719848342705e-06, x1 =
9.979299185116974e-01, x2 = 9.958602719619049e-01 第5275次迭代 f(x_5275)
=4.279811240205360e-06, x1 = 9.979347775112746e-01, x2 = 9.958617092985197e-01 第5276次
迭代 f(x_5276) =4.272904250985271e-06, x1 = 9.979332402172499e-01, x2 =
9.958669992629253e-01 第5277次迭代 f(x_5277) =4.265997253725114e-06, x1 =
9.979381595490607e-01, x2 = 9.958684001532734e-01 第5278次迭代 f(x_5278)
=4.259131461757787e-06, x1 = 9.979365933418340e-01, x2 = 9.958735915073322e-01 第5279次
迭代 f(x_5279) =4.252270798311823e-06, x1 = 9.979414255237949e-01, x2 =
9.958750297863616e-01 第5280次迭代 f(x_5280) =4.245404548207098e-06, x1 =
9.979399043479227e-01, x2 = 9.958802970907888e-01 第5281次迭代 f(x_5281)
=4.238545572116367e-06, x1 = 9.979447965992774e-01, x2 = 9.958816990755104e-01 第5282次
迭代 f(x_5282) =4.231721336183619e-06, x1 = 9.979432464084070e-01, x2 =
9.958868681855472e-01 第5283次迭代 f(x_5283) =4.224908178376771e-06, x1 =
9.979480522126263e-01, x2 = 9.958883072273251e-01 第5284次迭代 f(x_5284)
=4.218082548964411e-06, x1 = 9.979465467472396e-01, x2 = 9.958935521231067e-01 第5285次
迭代 f(x_5285) =4.211271150559455e-06, x1 = 9.979514123637090e-01, x2 =
9.958949550196193e-01 第5286次迭代 f(x_5286) =4.204488306221607e-06, x1 =
9.979498777854087e-01, x2 = 9.959001021338395e-01 第5287次迭代 f(x_5287)
=4.197722221474652e-06, x1 = 9.979546576443968e-01, x2 = 9.959015417622551e-01 第5288次
迭代 f(x_5288) =4.190937091100101e-06, x1 = 9.979531674891163e-01, x2 =
9.959067644969196e-01 第5289次迭代 f(x_5289) =4.184172833495804e-06, x1 =
9.979580069088336e-01, x2 = 9.959081681262330e-01 第5290次迭代 f(x_5290)
=4.177431214523833e-06, x1 = 9.979564875465059e-01, x2 = 9.959132934890912e-01 第5291次
迭代 f(x_5291) =4.170711776560062e-06, x1 = 9.979612418855848e-01, x2 =
9.959147335315006e-01 第5292次迭代 f(x_5292) =4.163967020497217e-06, x1 =
9.979597666471435e-01, x2 = 9.959199343488615e-01 第5293次迭代 f(x_5293)
=4.157249473232759e-06, x1 = 9.979645803009800e-01, x2 = 9.959213385354891e-01 第5294次
迭代 f(x_5294) =4.150548911718037e-06, x1 = 9.979630757650451e-01, x2 =
9.959264423877759e-01 第5295次迭代 f(x_5295) =4.143874904701432e-06, x1 =
9.979679746292033e-01, x2 = 9.959279343346497e-01 第5296次迭代 f(x_5296)
=4.137225671630301e-06, x1 = 9.979663746297405e-01, x2 = 9.959328929934986e-01 第5297次
迭代 f(x_5297) =4.130588870540824e-06, x1 = 9.979711575391029e-01, x2 =
9.959344366397165e-01 第5298次迭代 f(x_5298) =4.123945899058253e-06, x1 =
9.979695996440016e-01, x2 = 9.959395531355651e-01 第5299次迭代 f(x_5299)
=4.117298720230225e-06, x1 = 9.979743712129948e-01, x2 = 9.959409600027049e-01 第5300次

迭代 $f(x_{5300}) = 4.110657028452029e-06$, $x_1 = 9.979728569540863e-01$, $x_2 = 9.959461515691662e-01$ 第5301次迭代 $f(x_{5301}) = 4.104011090444266e-06$, $x_1 = 9.979776886510422e-01$, $x_2 = 9.959475222144611e-01$ 第5302次迭代 $f(x_{5302}) = 4.097408635251329e-06$, $x_1 = 9.979761452376386e-01$, $x_2 = 9.959526174633521e-01$ 第5303次迭代 $f(x_{5303}) = 4.090807103128876e-06$, $x_1 = 9.979808921132649e-01$, $x_2 = 9.959540244506888e-01$ 第5304次迭代 $f(x_{5304}) = 4.084205122701369e-06$, $x_1 = 9.979793920430069e-01$, $x_2 = 9.959591946042589e-01$ 第5305次迭代 $f(x_{5305}) = 4.077604890780531e-06$, $x_1 = 9.979841988118504e-01$, $x_2 = 9.959605655072598e-01$ 第5306次迭代 $f(x_{5306}) = 4.071042784712551e-06$, $x_1 = 9.979826695024654e-01$, $x_2 = 9.959656397435738e-01$ 第5307次迭代 $f(x_{5307}) = 4.064486490423249e-06$, $x_1 = 9.979873920909907e-01$, $x_2 = 9.959670466874836e-01$ 第5308次迭代 $f(x_{5308}) = 4.057924092808077e-06$, $x_1 = 9.979859058348003e-01$, $x_2 = 9.959721956620058e-01$ 第5309次迭代 $f(x_{5309}) = 4.051369154169532e-06$, $x_1 = 9.979906880871847e-01$, $x_2 = 9.959735666563284e-01$ 第5310次迭代 $f(x_{5310}) = 4.044847228654459e-06$, $x_1 = 9.979891725106443e-01$, $x_2 = 9.959786201110408e-01$ 第5311次迭代 $f(x_{5311}) = 4.038335769026282e-06$, $x_1 = 9.979938712118213e-01$, $x_2 = 9.959800268510314e-01$ 第5312次迭代 $f(x_{5312}) = 4.031812823152834e-06$, $x_1 = 9.979923984015499e-01$, $x_2 = 9.959851548769755e-01$ 第5313次迭代 $f(x_{5313}) = 4.025302770799077e-06$, $x_1 = 9.979971565425494e-01$, $x_2 = 9.959865257993999e-01$ 第5314次迭代 $f(x_{5314}) = 4.018820855951772e-06$, $x_1 = 9.979956543340293e-01$, $x_2 = 9.959915587001588e-01$ 第5315次迭代 $f(x_{5315}) = 4.012353833369101e-06$, $x_1 = 9.980003295412494e-01$, $x_2 = 9.959929650787931e-01$ 第5316次迭代 $f(x_{5316}) = 4.005870205767394e-06$, $x_1 = 9.979988698150309e-01$, $x_2 = 9.959980723833322e-01$ 第5317次迭代 $f(x_{5317}) = 3.999404638360688e-06$, $x_1 = 9.980036042432945e-01$, $x_2 = 9.959994430737268e-01$ 第5318次迭代 $f(x_{5318}) = 3.992962563077693e-06$, $x_1 = 9.980021150441682e-01$, $x_2 = 9.960044556449290e-01$ 第5319次迭代 $f(x_{5319}) = 3.986539585341858e-06$, $x_1 = 9.980067671446121e-01$, $x_2 = 9.960058615077511e-01$ 第5320次迭代 $f(x_{5320}) = 3.980095140272867e-06$, $x_1 = 9.980053201467121e-01$, $x_2 = 9.960109483148369e-01$ 第5321次迭代 $f(x_{5321}) = 3.973673661993199e-06$, $x_1 = 9.980100312546147e-01$, $x_2 = 9.960123186160823e-01$ 第5322次迭代 $f(x_{5322}) = 3.967271254039920e-06$, $x_1 = 9.980085547123062e-01$, $x_2 = 9.960173110789489e-01$ 第5323次迭代 $f(x_{5323}) = 3.960891934235391e-06$, $x_1 = 9.980131840870894e-01$, $x_2 = 9.960187162744106e-01$ 第5324次迭代 $f(x_{5324}) = 3.954486533814234e-06$, $x_1 = 9.980117494677585e-01$, $x_2 = 9.960237828048479e-01$ 第5325次迭代 $f(x_{5325}) = 3.948108754221367e-06$, $x_1 = 9.980164376415489e-01$, $x_2 = 9.960251525627639e-01$ 第5326次迭代 $f(x_{5326}) = 3.941745840319337e-06$, $x_1 = 9.980149734093872e-01$, $x_2 = 9.960301251354119e-01$ 第5327次迭代 $f(x_{5327}) = 3.935408875752321e-06$, $x_1 = 9.980197456768897e-01$, $x_2 = 9.960315798866064e-01$ 第5328次迭代 $f(x_{5328}) = 3.929095116073989e-06$, $x_1 = 9.980181873884175e-01$, $x_2 = 9.960364114858639e-01$ 第5329次迭代 $f(x_{5329}) = 3.922793280973941e-06$, $x_1 = 9.980228477581377e-01$, $x_2 = 9.960379160658807e-01$ 第5330次迭代 $f(x_{5330}) = 3.916485566702162e-06$, $x_1 = 9.980213294334513e-01$, $x_2 = 9.960429020076863e-01$ 第5331次迭代 $f(x_{5331}) = 3.910173657191775e-06$, $x_1 = 9.980259797875669e-01$, $x_2 = 9.960442727830752e-01$ 第5332次迭代 $f(x_{5332}) = 3.903867514779861e-06$, $x_1 = 9.980245029138316e-01$, $x_2 = 9.960493324167922e-01$ 第5333次迭代 $f(x_{5333}) = 3.897556478222334e-06$, $x_1 = 9.980292129431162e-01$, $x_2 = 9.960506673560687e-01$ 第5334次迭代 $f(x_{5334}) = 3.891287738632111e-06$, $x_1 = 9.980277066121768e-01$, $x_2 = 9.960556336547207e-01$ 第5335次迭代 $f(x_{5335}) = 3.885018562181907e-06$, $x_1 = 9.980323349945739e-01$, $x_2 = 9.960570035022271e-01$ 第5336次迭代 $f(x_{5336}) = 3.878750808798316e-06$, $x_1 = 9.980308698413265e-01$, $x_2 = 9.960620433249562e-01$ 第5337次迭代 $f(x_{5337}) = 3.872482542555811e-06$, $x_1 =$

9.980355577012500e-01, x2 = 9.960633774547838e-01 第5338次迭代 f(x_5338)
=3.866252606075519e-06, x1 = 9.980340630269591e-01, x2 = 9.960683243231675e-01 第5339次
迭代 f(x_5339) =3.860025790386394e-06, x1 = 9.980386698030950e-01, x2 =
9.960696930985757e-01 第5340次迭代 f(x_5340) =3.853796286622166e-06, x1 =
9.980372160358668e-01, x2 = 9.960747133228720e-01 第5341次迭代 f(x_5341)
=3.847570415059696e-06, x1 = 9.980418820968915e-01, x2 = 9.960760464964683e-01 第5342次
迭代 f(x_5342) =3.841379109275618e-06, x1 = 9.980403987476267e-01, x2 =
9.960809741445826e-01 第5343次迭代 f(x_5343) =3.835194286853749e-06, x1 =
9.980449842774615e-01, x2 = 9.960823417063034e-01 第5344次迭代 f(x_5344)
=3.829002891562206e-06, x1 = 9.980435415671997e-01, x2 = 9.960873425418626e-01 第5345次
迭代 f(x_5345) =3.822819043936729e-06, x1 = 9.980481861942353e-01, x2 =
9.960886746150986e-01 第5346次迭代 f(x_5346) =3.816666195664540e-06, x1 =
9.980467138437185e-01, x2 = 9.960935832501225e-01 第5347次迭代 f(x_5347)
=3.810523003705832e-06, x1 = 9.980512784818433e-01, x2 = 9.960949494591285e-01 第5348次
迭代 f(x_5348) =3.804369574105626e-06, x1 = 9.980498465047830e-01, x2 =
9.960999311128512e-01 第5349次迭代 f(x_5349) =3.798227384447264e-06, x1 =
9.980544700573154e-01, x2 = 9.961012619441880e-01 第5350次迭代 f(x_5350)
=3.792112819803476e-06, x1 = 9.980530083844867e-01, x2 = 9.961061517705440e-01 第5351次
迭代 f(x_5351) =3.786010900084620e-06, x1 = 9.980575524802492e-01, x2 =
9.961075164903076e-01 第5352次迭代 f(x_5352) =3.779895291859240e-06, x1 =
9.980561309177873e-01, x2 = 9.961124791663630e-01 第5353次迭代 f(x_5353)
=3.773794398858228e-06, x1 = 9.980607337500066e-01, x2 = 9.961138086167882e-01 第5354次
迭代 f(x_5354) =3.767717943328937e-06, x1 = 9.980592824388984e-01, x2 =
9.961186798362057e-01 第5355次迭代 f(x_5355) =3.761656942098508e-06, x1 =
9.980638063365268e-01, x2 = 9.961200429326377e-01 第5356次迭代 f(x_5356)
=3.755579009492275e-06, x1 = 9.980623948750976e-01, x2 = 9.961249868325264e-01 第5357次
迭代 f(x_5357) =3.749519056389298e-06, x1 = 9.980669773360225e-01, x2 =
9.961263147654914e-01 第5358次迭代 f(x_5358) =3.743480534895411e-06, x1 =
9.980655360756376e-01, x2 = 9.961311675770687e-01 第5359次迭代 f(x_5359)
=3.737460102769158e-06, x1 = 9.980700401143612e-01, x2 = 9.961325289184578e-01 第5360次
迭代 f(x_5360) =3.731419698678546e-06, x1 = 9.980686384453165e-01, x2 =
9.961374542410724e-01 第5361次迭代 f(x_5361) =3.725400333157031e-06, x1 =
9.980732008789154e-01, x2 = 9.961387805224331e-01 第5362次迭代 f(x_5362)
=3.719399570116385e-06, x1 = 9.980717693631094e-01, x2 = 9.961436151226963e-01 第5363次
迭代 f(x_5363) =3.713419361978133e-06, x1 = 9.980762538772746e-01, x2 =
9.961449745796521e-01 第5364次迭代 f(x_5364) =3.707416338042860e-06, x1 =
9.980748616967653e-01, x2 = 9.961498815213365e-01 第5365次迭代 f(x_5365)
=3.701437212126406e-06, x1 = 9.980794044420762e-01, x2 = 9.961512060192933e-01 第5366次
迭代 f(x_5366) =3.695474031515680e-06, x1 = 9.980779823694390e-01, x2 =
9.961560226022562e-01 第5367次迭代 f(x_5367) =3.689533510763104e-06, x1 =
9.980826078491810e-01, x2 = 9.961574287360415e-01 第5368次迭代 f(x_5368)
=3.683615820147238e-06, x1 = 9.980810934601405e-01, x2 = 9.961621094531472e-01 第5369次
迭代 f(x_5369) =3.677708065117020e-06, x1 = 9.980856116621949e-01, x2 =
9.961635632977415e-01 第5370次迭代 f(x_5370) =3.671797263632728e-06, x1 =
9.980841346483629e-01, x2 = 9.961683941097245e-01 第5371次迭代 f(x_5371)
=3.665878837990583e-06, x1 = 9.980886444685753e-01, x2 = 9.961697177480960e-01 第5372次
迭代 f(x_5372) =3.659970489752076e-06, x1 = 9.980872063326212e-01, x2 =
9.961746205380371e-01 第5373次迭代 f(x_5373) =3.654052459970357e-06, x1 =
9.980917753363003e-01, x2 = 9.961759087795239e-01 第5374次迭代 f(x_5374)
=3.648178751391766e-06, x1 = 9.980903074741473e-01, x2 = 9.961807218059091e-01 第5375次

迭代 $f(x_{5375}) = 3.642299704057070e-06$, $x_1 = 9.980947984516261e-01$, $x_2 = 9.961820433317025e-01$ 第5376次迭代 $f(x_{5376}) = 3.636428099466315e-06$, $x_1 = 9.980933692151301e-01$, $x_2 = 9.961869281673966e-01$ 第5377次迭代 $f(x_{5377}) = 3.630549460644288e-06$, $x_1 = 9.980979192228184e-01$, $x_2 = 9.961882143919133e-01$ 第5378次迭代 $f(x_{5378}) = 3.624712671533971e-06$, $x_1 = 9.980964602180544e-01$, $x_2 = 9.961930098227249e-01$ 第5379次迭代 $f(x_{5379}) = 3.618872669222206e-06$, $x_1 = 9.981009326750696e-01$, $x_2 = 9.961943291121051e-01$ 第5380次迭代 $f(x_{5380}) = 3.613037660550666e-06$, $x_1 = 9.980995120458758e-01$, $x_2 = 9.961991961834628e-01$ 第5381次迭代 $f(x_{5381}) = 3.607198076669224e-06$, $x_1 = 9.981040433844447e-01$, $x_2 = 9.962004802648114e-01$ 第5382次迭代 $f(x_{5382}) = 3.601398033287657e-06$, $x_1 = 9.981025929471671e-01$, $x_2 = 9.962052582877368e-01$ 第5383次迭代 $f(x_{5383}) = 3.595596746619312e-06$, $x_1 = 9.981070472015657e-01$, $x_2 = 9.962065752189616e-01$ 第5384次迭代 $f(x_{5384}) = 3.589798185168212e-06$, $x_1 = 9.981056348918580e-01$, $x_2 = 9.962114247135768e-01$ 第5385次迭代 $f(x_{5385}) = 3.583997324178608e-06$, $x_1 = 9.981101478837109e-01$, $x_2 = 9.962127065276748e-01$ 第5386次迭代 $f(x_{5386}) = 3.578233852535414e-06$, $x_1 = 9.981087057282997e-01$, $x_2 = 9.962174673281173e-01$ 第5387次迭代 $f(x_{5387}) = 3.572470955950694e-06$, $x_1 = 9.981131420936094e-01$, $x_2 = 9.962187817814850e-01$ 第5388次迭代 $f(x_{5388}) = 3.566708692126773e-06$, $x_1 = 9.981117378198070e-01$, $x_2 = 9.962236138846888e-01$ 第5389次迭代 $f(x_{5389}) = 3.560946225861016e-06$, $x_1 = 9.981162327829857e-01$, $x_2 = 9.962248933095156e-01$ 第5390次迭代 $f(x_{5390}) = 3.555219151765460e-06$, $x_1 = 9.981147986279993e-01$, $x_2 = 9.962296370706479e-01$ 第5391次迭代 $f(x_{5391}) = 3.549494323438859e-06$, $x_1 = 9.981192174135308e-01$, $x_2 = 9.962309489284468e-01$ 第5392次迭代 $f(x_{5392}) = 3.543768206824546e-06$, $x_1 = 9.981178208961865e-01$, $x_2 = 9.962357638233585e-01$ 第5393次迭代 $f(x_{5393}) = 3.538043810909462e-06$, $x_1 = 9.981222981444734e-01$, $x_2 = 9.962370407389051e-01$ 第5394次迭代 $f(x_{5394}) = 3.532352960020373e-06$, $x_1 = 9.981208717125480e-01$, $x_2 = 9.962417676417192e-01$ 第5395次迭代 $f(x_{5395}) = 3.526665881779896e-06$, $x_1 = 9.981252732234956e-01$, $x_2 = 9.962430767881776e-01$ 第5396次迭代 $f(x_{5396}) = 3.520975761203230e-06$, $x_1 = 9.981238841871941e-01$, $x_2 = 9.962478746557561e-01$ 第5397次迭代 $f(x_{5397}) = 3.515289114977276e-06$, $x_1 = 9.981283440302146e-01$, $x_2 = 9.962491489439738e-01$ 第5398次迭代 $f(x_{5398}) = 3.509634312847148e-06$, $x_1 = 9.981269250479646e-01$, $x_2 = 9.962538591673322e-01$ 第5399次迭代 $f(x_{5399}) = 3.503984670092925e-06$, $x_1 = 9.981313095855033e-01$, $x_2 = 9.962551654885703e-01$ 第5400次迭代 $f(x_{5400}) = 3.498330393695097e-06$, $x_1 = 9.981299277587646e-01$, $x_2 = 9.962599465076627e-01$ 第5401次迭代 $f(x_{5401}) = 3.492681180125408e-06$, $x_1 = 9.981343705020849e-01$, $x_2 = 9.962612180524152e-01$ 第5402次迭代 $f(x_{5402}) = 3.487062252248666e-06$, $x_1 = 9.981329587000064e-01$, $x_2 = 9.962659117730986e-01$ 第5403次迭代 $f(x_{5403}) = 3.481449733877635e-06$, $x_1 = 9.981373265613883e-01$, $x_2 = 9.962672151570806e-01$ 第5404次迭代 $f(x_{5404}) = 3.475831149175958e-06$, $x_1 = 9.981359516765707e-01$, $x_2 = 9.962719795044719e-01$ 第5405次迭代 $f(x_{5405}) = 3.470219054779611e-06$, $x_1 = 9.981403776217949e-01$, $x_2 = 9.962732481914862e-01$ 第5406次迭代 $f(x_{5406}) = 3.464635826633783e-06$, $x_1 = 9.981389727341714e-01$, $x_2 = 9.962779255842422e-01$ 第5407次迭代 $f(x_{5407}) = 3.459060124963150e-06$, $x_1 = 9.981433242128184e-01$, $x_2 = 9.962792259207303e-01$ 第5408次迭代 $f(x_{5408}) = 3.453477078915094e-06$, $x_1 = 9.981419560060255e-01$, $x_2 = 9.962839737711893e-01$ 第5409次迭代 $f(x_{5409}) = 3.447901793682844e-06$, $x_1 = 9.981463654508904e-01$, $x_2 = 9.962852394880096e-01$ 第5410次迭代 $f(x_{5410}) = 3.442354090770058e-06$, $x_1 = 9.981449672157000e-01$, $x_2 = 9.962899007255991e-01$ 第5411次迭代 $f(x_{5411}) = 3.436814901465501e-06$, $x_1 = 9.981493026012952e-01$, $x_2 = 9.962911979061078e-01$ 第5412次迭代 $f(x_{5412}) = 3.431267240526349e-06$, $x_1 =$

9.981479408122849e-01, x2 = 9.962959294324344e-01 第5413次迭代 f(x_5413)
=3.425728457847748e-06, x1 = 9.981523340507517e-01, x2 = 9.962971920683761e-01 第5414次
迭代 f(x_5414) =3.420216105737197e-06, x1 = 9.981509422095761e-01, x2 =
9.963018373216189e-01 第5415次迭代 f(x_5415) =3.414713127741313e-06, x1 =
9.981552617881548e-01, x2 = 9.963031312393706e-01 第5416次迭代 f(x_5416)
=3.409200697924319e-06, x1 = 9.981539061602470e-01, x2 = 9.963078466124418e-01 第5417次
迭代 f(x_5417) =3.403698114514314e-06, x1 = 9.981582834825935e-01, x2 =
9.963091060585454e-01 第5418次迭代 f(x_5418) =3.398220938878344e-06, x1 =
9.981568977805297e-01, x2 = 9.963137354963659e-01 第5419次迭代 f(x_5419)
=3.392753874342317e-06, x1 = 9.981612018345657e-01, x2 = 9.963150260462474e-01 第5420次
迭代 f(x_5420) =3.387276521272909e-06, x1 = 9.981598521145569e-01, x2 =
9.963197254350601e-01 第5421次迭代 f(x_5421) =3.381809837101849e-06, x1 =
9.981642138074647e-01, x2 = 9.963209815840488e-01 第5422次迭代 f(x_5422)
=3.376367663754506e-06, x1 = 9.981628339930384e-01, x2 = 9.963255953735189e-01 第5423次
迭代 f(x_5423) =3.370936217970856e-06, x1 = 9.981671228015297e-01, x2 =
9.963268824520390e-01 第5424次迭代 f(x_5424) =3.365493786941097e-06, x1 =
9.981657787396064e-01, x2 = 9.963315660237546e-01 第5425次迭代 f(x_5425)
=3.360062705166830e-06, x1 = 9.981701250862480e-01, x2 = 9.963328187699902e-01 第5426次
迭代 f(x_5426) =3.354655360099579e-06, x1 = 9.981687509113283e-01, x2 =
9.963374170763732e-01 第5427次迭代 f(x_5427) =3.349259241437117e-06, x1 =
9.981730247498825e-01, x2 = 9.963387005816208e-01 第5428次迭代 f(x_5428)
=3.343851577457102e-06, x1 = 9.981716860995361e-01, x2 = 9.963433685016080e-01 第5429次
迭代 f(x_5429) =3.338455804357240e-06, x1 = 9.981760173796608e-01, x2 =
9.963446177410491e-01 第5430次迭代 f(x_5430) =3.333083113772482e-06, x1 =
9.981746485993769e-01, x2 = 9.963492007278411e-01 第5431次迭代 f(x_5431)
=3.327722033613174e-06, x1 = 9.981789077402918e-01, x2 = 9.963504805594444e-01 第5432次
迭代 f(x_5432) =3.322348981460872e-06, x1 = 9.981775742582378e-01, x2 =
9.963551329913201e-01 第5433次迭代 f(x_5433) =3.316988226368793e-06, x1 =
9.981818907482529e-01, x2 = 9.963563786214811e-01 第5434次迭代 f(x_5434)
=3.311650016714888e-06, x1 = 9.981805271209139e-01, x2 = 9.963609464504518e-01 第5435次
迭代 f(x_5435) =3.306323689392455e-06, x1 = 9.981847718332588e-01, x2 =
9.963622225095392e-01 第5436次迭代 f(x_5436) =3.300985093662542e-06, x1 =
9.981834432793549e-01, x2 = 9.963668596152099e-01 第5437次迭代 f(x_5437)
=3.295659068903709e-06, x1 = 9.981877452524091e-01, x2 = 9.963681015351201e-01 第5438次
迭代 f(x_5438) =3.290355166905576e-06, x1 = 9.981863865394226e-01, x2 =
9.963726543663544e-01 第5439次迭代 f(x_5439) =3.285063309645057e-06, x1 =
9.981906170891172e-01, x2 = 9.963739265555142e-01 第5440次迭代 f(x_5440)
=3.279759014795688e-06, x1 = 9.981892932262848e-01, x2 = 9.963785484952155e-01 第5441次
迭代 f(x_5441) =3.274467435627055e-06, x1 = 9.981935809523469e-01, x2 =
9.963797866053800e-01 第5442次迭代 f(x_5442) =3.269197668317393e-06, x1 =
9.981922269181419e-01, x2 = 9.963843245973166e-01 第5443次迭代 f(x_5443)
=3.263940001176767e-06, x1 = 9.981964435680337e-01, x2 = 9.963855928205594e-01 第5444次
迭代 f(x_5444) =3.258669851574530e-06, x1 = 9.981951241621798e-01, x2 =
9.963901997528961e-01 第5445次迭代 f(x_5445) =3.253412436123117e-06, x1 =
9.981993979081178e-01, x2 = 9.963914339552565e-01 第5446次迭代 f(x_5446)
=3.248176630872163e-06, x1 = 9.981980483200680e-01, x2 = 9.963959572647271e-01 第5447次
迭代 f(x_5447) =3.242952876686632e-06, x1 = 9.982022513300074e-01, x2 =
9.963972214274480e-01 第5448次迭代 f(x_5448) =3.237716716649017e-06, x1 =
9.982009361499498e-01, x2 = 9.964018135094317e-01 第5449次迭代 f(x_5449)
=3.232493185855680e-06, x1 = 9.982051961796065e-01, x2 = 9.964030437073288e-01 第5450次

迭代 $f(x_{5450}) = 3.227291170399096e-06$, $x_1 = 9.982038508079554e-01$, $x_2 = 9.964075524895956e-01$ 第5451次迭代 $f(x_{5451}) = 3.222101054723941e-06$, $x_1 = 9.982080404348699e-01$, $x_2 = 9.964088124985382e-01$ 第5452次迭代 $f(x_{5452}) = 3.216898728562594e-06$, $x_1 = 9.982067292522628e-01$, $x_2 = 9.964133898856247e-01$ 第5453次迭代 $f(x_{5453}) = 3.211708806124140e-06$, $x_1 = 9.982109758265305e-01$, $x_2 = 9.964146159837612e-01$ 第5454次迭代 $f(x_{5454}) = 3.206540408591305e-06$, $x_1 = 9.982096344443190e-01$, $x_2 = 9.964191103925539e-01$ 第5455次迭代 $f(x_{5455}) = 3.201383659650090e-06$, $x_1 = 9.982138109422855e-01$, $x_2 = 9.964203661557739e-01$ 第5456次迭代 $f(x_{5456}) = 3.196215011710300e-06$, $x_1 = 9.982125035315469e-01$, $x_2 = 9.964249290019006e-01$ 第5457次迭代 $f(x_{5457}) = 3.191058424024808e-06$, $x_1 = 9.982167369084417e-01$, $x_2 = 9.964261509063049e-01$ 第5458次迭代 $f(x_{5458}) = 3.185923472964839e-06$, $x_1 = 9.982153992914348e-01$, $x_2 = 9.964306310938578e-01$ 第5459次迭代 $f(x_{5459}) = 3.180799821595832e-06$, $x_1 = 9.982195629117514e-01$, $x_2 = 9.964318825206874e-01$ 第5460次迭代 $f(x_{5460}) = 3.175664696296271e-06$, $x_1 = 9.982182590499910e-01$, $x_2 = 9.964364309783095e-01$ 第5461次迭代 $f(x_{5461}) = 3.170541172408742e-06$, $x_1 = 9.982224794847248e-01$, $x_2 = 9.964376485962992e-01$ 第5462次迭代 $f(x_{5462}) = 3.165439496816661e-06$, $x_1 = 9.982211454113415e-01$, $x_2 = 9.964421147133865e-01$ 第5463次迭代 $f(x_{5463}) = 3.160348676421022e-06$, $x_1 = 9.982252964025971e-01$, $x_2 = 9.964433617144005e-01$ 第5464次迭代 $f(x_{5464}) = 3.155246918290855e-06$, $x_1 = 9.982239958695475e-01$, $x_2 = 9.964478959345258e-01$ 第5465次迭代 $f(x_{5465}) = 3.150156189841813e-06$, $x_1 = 9.982282036145976e-01$, $x_2 = 9.964491091746740e-01$ 第5466次迭代 $f(x_{5466}) = 3.145087619182749e-06$, $x_1 = 9.982268728658427e-01$, $x_2 = 9.964535613706447e-01$ 第5467次迭代 $f(x_{5467}) = 3.140029365675952e-06$, $x_1 = 9.982310114739852e-01$, $x_2 = 9.964548038576261e-01$ 第5468次迭代 $f(x_{5468}) = 3.134960819392423e-06$, $x_1 = 9.982297140519319e-01$, $x_2 = 9.964593239898505e-01$ 第5469次迭代 $f(x_{5469}) = 3.129902620565753e-06$, $x_1 = 9.982339093571124e-01$, $x_2 = 9.964605327619500e-01$ 第5470次迭代 $f(x_{5470}) = 3.124866984797889e-06$, $x_1 = 9.982325817165070e-01$, $x_2 = 9.964649711847628e-01$ 第5471次迭代 $f(x_{5471}) = 3.119841036560462e-06$, $x_1 = 9.982367081849108e-01$, $x_2 = 9.964662090706700e-01$ 第5472次迭代 $f(x_{5472}) = 3.114805546982410e-06$, $x_1 = 9.982354136586267e-01$, $x_2 = 9.964707152632111e-01$ 第5473次迭代 $f(x_{5473}) = 3.109779614455770e-06$, $x_1 = 9.982395967711536e-01$, $x_2 = 9.964719194782422e-01$ 第5474次迭代 $f(x_{5474}) = 3.104776744054525e-06$, $x_1 = 9.982382720246707e-01$, $x_2 = 9.964763442744984e-01$ 第5475次迭代 $f(x_{5475}) = 3.099782841884345e-06$, $x_1 = 9.982423865942016e-01$, $x_2 = 9.964775774734326e-01$ 第5476次迭代 $f(x_{5476}) = 3.094780254088003e-06$, $x_1 = 9.982410947508803e-01$, $x_2 = 9.964820698731630e-01$ 第5477次迭代 $f(x_{5477}) = 3.089786326984745e-06$, $x_1 = 9.982452659154398e-01$, $x_2 = 9.964832694432599e-01$ 第5478次迭代 $f(x_{5478}) = 3.084816052963226e-06$, $x_1 = 9.982439438514386e-01$, $x_2 = 9.964876807582369e-01$ 第5479次迭代 $f(x_{5479}) = 3.079853940029863e-06$, $x_1 = 9.982480467605184e-01$, $x_2 = 9.964889091854103e-01$ 第5480次迭代 $f(x_{5480}) = 3.074884099340755e-06$, $x_1 = 9.982467573897100e-01$, $x_2 = 9.964933879378906e-01$ 第5481次迭代 $f(x_{5481}) = 3.069921919182286e-06$, $x_1 = 9.982509168485232e-01$, $x_2 = 9.964945827763092e-01$ 第5482次迭代 $f(x_{5482}) = 3.064984073114084e-06$, $x_1 = 9.982495972576844e-01$, $x_2 = 9.964989807539925e-01$ 第5483次迭代 $f(x_{5483}) = 3.060053494912696e-06$, $x_1 = 9.982536887423547e-01$, $x_2 = 9.965002043256969e-01$ 第5484次迭代 $f(x_{5484}) = 3.055116246938321e-06$, $x_1 = 9.982524016359023e-01$, $x_2 = 9.965046695752073e-01$ 第5485次迭代 $f(x_{5485}) = 3.050185557596874e-06$, $x_1 = 9.982565496287896e-01$, $x_2 = 9.965058595962939e-01$ 第5486次迭代 $f(x_{5486}) = 3.045279971636174e-06$, $x_1 = 9.982552323040531e-01$, $x_2 = 9.965102443794094e-01$ 第5487次迭代 $f(x_{5487}) = 3.040380675944295e-06$, $x_1 =$

9.982593125980376e-01, x2 = 9.965114630129851e-01 第5488次迭代 f(x_5488)
=3.035475866603632e-06, x1 = 9.982580275500147e-01, x2 = 9.965159149025583e-01 第5489次
迭代 f(x_5489) =3.030576414258062e-06, x1 = 9.982621643144585e-01, x2 =
9.965171000217175e-01 第5490次迭代 f(x_5490) =3.025702921158159e-06, x1 =
9.982608490509626e-01, x2 = 9.965214717517623e-01 第5491次迭代 f(x_5491)
=3.020834657992057e-06, x1 = 9.982649183857268e-01, x2 = 9.965226853655689e-01 第5492次
迭代 f(x_5492) =3.015962133546438e-06, x1 = 9.982636351923770e-01, x2 =
9.965271240370195e-01 第5493次迭代 f(x_5493) =3.011093666638087e-06, x1 =
9.982677609635829e-01, x2 = 9.965283041706846e-01 第5494次迭代 f(x_5494)
=3.006252099771234e-06, x1 = 9.982664475586037e-01, x2 = 9.965326629879580e-01 第5495次
迭代 f(x_5495) =3.001414621344234e-06, x1 = 9.982705061634158e-01, x2 =
9.965338715013440e-01 第5496次迭代 f(x_5496) =2.996574228425823e-06, x1 =
9.982692246230924e-01, x2 = 9.965382970952998e-01 第5497次迭代 f(x_5497)
=2.991736497614829e-06, x1 = 9.982733396340510e-01, x2 = 9.965394721609028e-01 第5498次
迭代 f(x_5498) =2.986926690990314e-06, x1 = 9.982720278869422e-01, x2 =
9.965438182045360e-01 第5499次迭代 f(x_5499) =2.982119751670659e-06, x1 =
9.982760759889313e-01, x2 = 9.965450215378103e-01 第5500次迭代 f(x_5500)
=2.977311337309464e-06, x1 = 9.982747959020394e-01, x2 = 9.965494341937419e-01 第5501次
迭代 f(x_5501) =2.972504095432498e-06, x1 = 9.982789003835836e-01, x2 =
9.965506041096840e-01 第5502次迭代 f(x_5502) =2.967725883715076e-06, x1 =
9.982775900957206e-01, x2 = 9.965549375176692e-01 第5503次迭代 f(x_5503)
=2.962949239987099e-06, x1 = 9.982816279199337e-01, x2 = 9.965561355920731e-01 第5504次
迭代 f(x_5504) =2.958172651639557e-06, x1 = 9.982803490888715e-01, x2 =
9.965605354483228e-01 第5505次迭代 f(x_5505) =2.953395653669795e-06, x1 =
9.982844432697370e-01, x2 = 9.965617001339453e-01 第5506次迭代 f(x_5506)
=2.948648872195498e-06, x1 = 9.982831342444574e-01, x2 = 9.965660210431658e-01 第5507次
迭代 f(x_5507) =2.943902282619453e-06, x1 = 9.982871620139171e-01, x2 =
9.965672137808437e-01 第5508次迭代 f(x_5508) =2.939157368192840e-06, x1 =
9.982858842430202e-01, x2 = 9.965716009746548e-01 第5509次迭代 f(x_5509)
=2.934410371198052e-06, x1 = 9.982899683499014e-01, x2 = 9.965727603502115e-01 第5510次
迭代 f(x_5510) =2.929694855992029e-06, x1 = 9.982886603924502e-01, x2 =
9.965770688964692e-01 第5511次迭代 f(x_5511) =2.924978081165758e-06, x1 =
9.982926783282097e-01, x2 = 9.965782562204422e-01 第5512次迭代 f(x_5512)
=2.920264689044845e-06, x1 = 9.982914014236945e-01, x2 = 9.965826308879874e-01 第5513次
迭代 f(x_5513) =2.915547452149355e-06, x1 = 9.982954756813016e-01, x2 =
9.965837848746155e-01 第5514次迭代 f(x_5514) =2.910863039939922e-06, x1 =
9.982941685987764e-01, x2 = 9.965880811926595e-01 第5515次迭代 f(x_5515)
=2.906175842461183e-06, x1 = 9.982981769199736e-01, x2 = 9.965892630267982e-01 第5516次
迭代 f(x_5516) =2.901493821531830e-06, x1 = 9.982969006898839e-01, x2 =
9.965936253032066e-01 第5517次迭代 f(x_5517) =2.896806105876790e-06, x1 =
9.983009653209975e-01, x2 = 9.965947738229012e-01 第5518次迭代 f(x_5518)
=2.892152634112961e-06, x1 = 9.982996589222936e-01, x2 = 9.965990580464545e-01 第5519次
迭代 f(x_5519) =2.887494778542579e-06, x1 = 9.983036578462057e-01, x2 =
9.966002343154526e-01 第5520次迭代 f(x_5520) =2.882843978215711e-06, x1 =
9.983023821003576e-01, x2 = 9.966045843348378e-01 第5521次迭代 f(x_5521)
=2.878185546922679e-06, x1 = 9.983064373258839e-01, x2 = 9.966057273104234e-01 第5522次
迭代 f(x_5522) =2.873562853786535e-06, x1 = 9.983051314216416e-01, x2 =
9.966099995722110e-01 第5523次迭代 f(x_5523) =2.868934106612421e-06, x1 =
9.983091211637370e-01, x2 = 9.966111702015593e-01 第5524次迭代 f(x_5524)
=2.864314131715965e-06, x1 = 9.983078755844393e-01, x2 = 9.966154065044476e-01 第5525次

迭代 $f(x_{5525}) = 2.859713730691128e-06$, $x_1 = 9.983119421448784e-01$, $x_2 = 9.966166470018012e-01$ 第5526次迭代 $f(x_{5526}) = 2.855130188801996e-06$, $x_1 = 9.983106114211345e-01$, $x_2 = 9.966207656551153e-01$ 第5527次迭代 $f(x_{5527}) = 2.850554543045507e-06$, $x_1 = 9.983145876613099e-01$, $x_2 = 9.966220460870029e-01$ 第5528次迭代 $f(x_{5528}) = 2.845976821176189e-06$, $x_1 = 9.983132857968694e-01$, $x_2 = 9.966262988780065e-01$ 第5529次迭代 $f(x_{5529}) = 2.841392071246892e-06$, $x_1 = 9.983172585924073e-01$, $x_2 = 9.966274627393185e-01$ 第5530次迭代 $f(x_{5530}) = 2.836817046175549e-06$, $x_1 = 9.983160166722777e-01$, $x_2 = 9.966316797900350e-01$ 第5531次迭代 $f(x_{5531}) = 2.832260633537234e-06$, $x_1 = 9.983200660883952e-01$, $x_2 = 9.966329130967601e-01$ 第5532次迭代 $f(x_{5532}) = 2.827721376473503e-06$, $x_1 = 9.983187392772425e-01$, $x_2 = 9.966370131432175e-01$ 第5533次迭代 $f(x_{5533}) = 2.823189479313371e-06$, $x_1 = 9.983226988691336e-01$, $x_2 = 9.966382861613775e-01$ 第5534次迭代 $f(x_{5534}) = 2.818656380360957e-06$, $x_1 = 9.983214006067117e-01$, $x_2 = 9.966425197849329e-01$ 第5535次迭代 $f(x_{5535}) = 2.814115104073462e-06$, $x_1 = 9.983253569511051e-01$, $x_2 = 9.966436767042157e-01$ 第5536次迭代 $f(x_{5536}) = 2.809584676587624e-06$, $x_1 = 9.983241182647958e-01$, $x_2 = 9.966478747997386e-01$ 第5537次迭代 $f(x_{5537}) = 2.805071741837181e-06$, $x_1 = 9.983280113993263e-01$, $x_2 = 9.966490582927638e-01$ 第5538次迭代 $f(x_{5538}) = 2.800540386443443e-06$, $x_1 = 9.983268025346528e-01$, $x_2 = 9.966533214328327e-01$ 第5539次迭代 $f(x_{5539}) = 2.796027299406164e-06$, $x_1 = 9.983307505507573e-01$, $x_2 = 9.966544724172411e-01$ 第5540次迭代 $f(x_{5540}) = 2.791526975099463e-06$, $x_1 = 9.983295114241826e-01$, $x_2 = 9.966586591877407e-01$ 第5541次迭代 $f(x_{5541}) = 2.787042071741623e-06$, $x_1 = 9.983333964258254e-01$, $x_2 = 9.966598366643040e-01$ 第5542次迭代 $f(x_{5542}) = 2.782541176583035e-06$, $x_1 = 9.983321869281767e-01$, $x_2 = 9.966640883180016e-01$ 第5543次迭代 $f(x_{5543}) = 2.778056054650153e-06$, $x_1 = 9.983361268226805e-01$, $x_2 = 9.966652332968862e-01$ 第5544次迭代 $f(x_{5544}) = 2.773585673953289e-06$, $x_1 = 9.983348870799392e-01$, $x_2 = 9.966694088676727e-01$ 第5545次迭代 $f(x_{5545}) = 2.769128580825702e-06$, $x_1 = 9.983387641504061e-01$, $x_2 = 9.966705802595612e-01$ 第5546次迭代 $f(x_{5546}) = 2.764657996497479e-06$, $x_1 = 9.983375538446375e-01$, $x_2 = 9.966748205526530e-01$ 第5547次迭代 $f(x_{5547}) = 2.760200617245699e-06$, $x_1 = 9.983414858227215e-01$, $x_2 = 9.966759594560129e-01$ 第5548次迭代 $f(x_{5548}) = 2.755760021430585e-06$, $x_1 = 9.983402452892981e-01$, $x_2 = 9.966801239515813e-01$ 第5549次迭代 $f(x_{5549}) = 2.751330519052649e-06$, $x_1 = 9.983441146288484e-01$, $x_2 = 9.966812891912030e-01$ 第5550次迭代 $f(x_{5550}) = 2.746890096863114e-06$, $x_1 = 9.983429033411783e-01$, $x_2 = 9.966855182486466e-01$ 第5551次迭代 $f(x_{5551}) = 2.742460239560570e-06$, $x_1 = 9.983468276065633e-01$, $x_2 = 9.966866510071061e-01$ 第5552次迭代 $f(x_{5552}) = 2.738049270750863e-06$, $x_1 = 9.983455861092819e-01$, $x_2 = 9.966908045511581e-01$ 第5553次迭代 $f(x_{5553}) = 2.733647141294097e-06$, $x_1 = 9.983494479167678e-01$, $x_2 = 9.966919635715199e-01$ 第5554次迭代 $f(x_{5554}) = 2.729236733279318e-06$, $x_1 = 9.983482354747334e-01$, $x_2 = 9.966961815174882e-01$ 第5555次迭代 $f(x_{5555}) = 2.724834178855061e-06$, $x_1 = 9.983521522297254e-01$, $x_2 = 9.966973080622746e-01$ 第5556次迭代 $f(x_{5556}) = 2.720452680038182e-06$, $x_1 = 9.983509095967044e-01$, $x_2 = 9.96701450777423e-01$ 第5557次迭代 $f(x_{5557}) = 2.716077707296488e-06$, $x_1 = 9.983547640696168e-01$, $x_2 = 9.967026035124271e-01$ 第5558次迭代 $f(x_{5558}) = 2.711697166239368e-06$, $x_1 = 9.983535503020274e-01$, $x_2 = 9.967068104703314e-01$ 第5559次迭代 $f(x_{5559}) = 2.707321697252560e-06$, $x_1 = 9.983574597475636e-01$, $x_2 = 9.967079307332520e-01$ 第5560次迭代 $f(x_{5560}) = 2.702969512287038e-06$, $x_1 = 9.983562158081722e-01$, $x_2 = 9.967120627423202e-01$ 第5561次迭代 $f(x_{5561}) = 2.698621481647687e-06$, $x_1 = 9.983600631426832e-01$, $x_2 = 9.967132091254667e-01$ 第5562次迭代 $f(x_{5562}) = 2.694270661092530e-06$, $x_1 =$

9.983588478795784e-01, x2 = 9.967174052179787e-01 第5563次迭代 f(x_5563)
=2.689922061704018e-06, x1 = 9.983627502152717e-01, x2 = 9.967185191313992e-01 第5564次
迭代 f(x_5564)=2.685599035329812e-06, x1 = 9.983615048000855e-01, x2 =
9.967226405555278e-01 第5565次迭代 f(x_5565)=2.681277733746029e-06, x1 =
9.983653451910930e-01, x2 = 9.967237805218078e-01 第5566次迭代 f(x_5566)
=2.676956488013414e-06, x1 = 9.983641282636977e-01, x2 = 9.967279658708824e-01 第5567次
迭代 f(x_5567)=2.672634543955302e-06, x1 = 9.983680236878799e-01, x2 =
9.967290733677053e-01 第5568次迭代 f(x_5568)=2.668340521804119e-06, x1 =
9.983667766286388e-01, x2 = 9.967331843276509e-01 第5569次迭代 f(x_5569)
=2.664045737765664e-06, x1 = 9.983706102698079e-01, x2 = 9.967343178122491e-01 第5570次
迭代 f(x_5570)=2.659753921969823e-06, x1 = 9.983693915104911e-01, x2 =
9.967384925391450e-01 第5571次迭代 f(x_5571)=2.655458420517830e-06, x1 =
9.983732802202566e-01, x2 = 9.967395935527886e-01 第5572次迭代 f(x_5572)
=2.651193249121085e-06, x1 = 9.983720313498221e-01, x2 = 9.967436941686262e-01 第5573次
迭代 f(x_5573)=2.646924772628056e-06, x1 = 9.983758584336281e-01, x2 =
9.967448211072192e-01 第5574次迭代 f(x_5574)=2.642662242690891e-06, x1 =
9.983746376758592e-01, x2 = 9.967489853325215e-01 第5575次迭代 f(x_5575)
=2.638392972635937e-06, x1 = 9.983785198671083e-01, x2 = 9.967500797968979e-01 第5576次
迭代 f(x_5576)=2.634156499433230e-06, x1 = 9.983772690194216e-01, x2 =
9.967541701880422e-01 第5577次迭代 f(x_5577)=2.629914121968241e-06, x1 =
9.983810897371908e-01, x2 = 9.967552905167784e-01 第5578次迭代 f(x_5578)
=2.625680347044981e-06, x1 = 9.983798954560680e-01, x2 = 9.967593470782763e-01 第5579次
迭代 f(x_5579)=2.62146393959116e-06, x1 = 9.983837909587220e-01, x2 =
9.967605336793178e-01 第5580次迭代 f(x_5580)=2.617263413665784e-06, x1 =
9.983825139694378e-01, x2 = 9.967644782015109e-01 第5581次迭代 f(x_5581)
=2.613069544441551e-06, x1 = 9.983863241139743e-01, x2 = 9.967657024766139e-01 第5582次
迭代 f(x_5582)=2.608875008839626e-06, x1 = 9.983850735002469e-01, x2 =
9.967697760466124e-01 第5583次迭代 f(x_5583)=2.604672100242182e-06, x1 =
9.983888815880063e-01, x2 = 9.967708881009806e-01 第5584次迭代 f(x_5584)
=2.600480208574389e-06, x1 = 9.983876872678141e-01, x2 = 9.967749280049066e-01 第5585次
迭代 f(x_5585)=2.596303288525900e-06, x1 = 9.983914355446447e-01, x2 =
9.967760651235789e-01 第5586次迭代 f(x_5586)=2.592111001780346e-06, x1 =
9.983902688542515e-01, x2 = 9.967801681318480e-01 第5587次迭代 f(x_5587)
=2.587933676951587e-06, x1 = 9.983940710505325e-01, x2 = 9.967812734180195e-01 第5588次
迭代 f(x_5588)=2.583770049079086e-06, x1 = 9.983928742163329e-01, x2 =
9.967853034739490e-01 第5589次迭代 f(x_5589)=2.579618590321061e-06, x1 =
9.983966167376632e-01, x2 = 9.967864337719370e-01 第5590次迭代 f(x_5590)
=2.575455044660395e-06, x1 = 9.983954473502229e-01, x2 = 9.967905267758392e-01 第5591次
迭代 f(x_5591)=2.571303100170560e-06, x1 = 9.983992438424248e-01, x2 =
9.967916252315691e-01 第5592次迭代 f(x_5592)=2.567167585610697e-06, x1 =
9.983980443361564e-01, x2 = 9.967956455544417e-01 第5593次迭代 f(x_5593)
=2.563041387194020e-06, x1 = 9.984017812850858e-01, x2 = 9.967967689716004e-01 第5594次
迭代 f(x_5594)=2.558906440562871e-06, x1 = 9.984006090430415e-01, x2 =
9.968008520866236e-01 第5595次迭代 f(x_5595)=2.554779674347786e-06, x1 =
9.984044000175969e-01, x2 = 9.968019436500494e-01 第5596次迭代 f(x_5596)
=2.550672123577764e-06, x1 = 9.984031976820554e-01, x2 = 9.968059543542575e-01 第5597次
迭代 f(x_5597)=2.546570985892026e-06, x1 = 9.984069292407547e-01, x2 =
9.968070708308048e-01 第5598次迭代 f(x_5598)=2.542464497138737e-06, x1 =
9.984057539873902e-01, x2 = 9.968111441718959e-01 第5599次迭代 f(x_5599)
=2.538362708475661e-06, x1 = 9.984095396298007e-01, x2 = 9.968122287815193e-01 第5600次

迭代 $f(x_{5600}) = 2.534282972938834e-06$, $x_1 = 9.984083343086039e-01$, $x_2 = 9.968162299809267e-01$ 第5601次迭代 $f(x_{5601}) = 2.530206697690119e-06$, $x_1 = 9.984120606583518e-01$, $x_2 = 9.968173394574258e-01$ 第5602次迭代 $f(x_{5602}) = 2.526128526578865e-06$, $x_1 = 9.984108822377534e-01$, $x_2 = 9.968214031390099e-01$ 第5603次迭代 $f(x_{5603}) = 2.522051516060620e-06$, $x_1 = 9.984146627326289e-01$, $x_2 = 9.968224807336783e-01$ 第5604次迭代 $f(x_{5604}) = 2.517999448173402e-06$, $x_1 = 9.984134542701788e-01$, $x_2 = 9.968264725416387e-01$ 第5605次迭代 $f(x_{5605}) = 2.513947838360265e-06$, $x_1 = 9.984171755913985e-01$, $x_2 = 9.968275749589802e-01$ 第5606次迭代 $f(x_{5606}) = 2.509897845582833e-06$, $x_1 = 9.984159938484192e-01$, $x_2 = 9.968316290949791e-01$ 第5607次迭代 $f(x_{5607}) = 2.505845415095585e-06$, $x_1 = 9.984197693795145e-01$, $x_2 = 9.968326996138669e-01$ 第5608次迭代 $f(x_{5608}) = 2.501820868253428e-06$, $x_1 = 9.984185576209604e-01$, $x_2 = 9.968366821432436e-01$ 第5609次迭代 $f(x_{5609}) = 2.497793728143435e-06$, $x_1 = 9.984222740932571e-01$, $x_2 = 9.96837774426268e-01$ 第5610次迭代 $f(x_{5610}) = 2.493771775330386e-06$, $x_1 = 9.984210888734786e-01$, $x_2 = 9.968418221464779e-01$ 第5611次迭代 $f(x_{5611}) = 2.489743728027954e-06$, $x_1 = 9.984248596237312e-01$, $x_2 = 9.968428855290682e-01$ 第5612次迭代 $f(x_{5612}) = 2.485746556611688e-06$, $x_1 = 9.984236444149344e-01$, $x_2 = 9.968468588922516e-01$ 第5613次迭代 $f(x_{5613}) = 2.481743691718825e-06$, $x_1 = 9.984273562171297e-01$, $x_2 = 9.968479470151678e-01$ 第5614次迭代 $f(x_{5614}) = 2.477749194299860e-06$, $x_1 = 9.984261952094516e-01$, $x_2 = 9.968518878919833e-01$ 第5615次迭代 $f(x_{5615}) = 2.473770802806348e-06$, $x_1 = 9.984299804290360e-01$, $x_2 = 9.968530400059769e-01$ 第5616次迭代 $f(x_{5616}) = 2.469807619427022e-06$, $x_1 = 9.984287383361063e-01$, $x_2 = 9.968568724213649e-01$ 第5617次迭代 $f(x_{5617}) = 2.465850401198608e-06$, $x_1 = 9.984324413431650e-01$, $x_2 = 9.968580607785698e-01$ 第5618次迭代 $f(x_{5618}) = 2.461892333357718e-06$, $x_1 = 9.984312379649741e-01$, $x_2 = 9.968619738195363e-01$ 第5619次迭代 $f(x_{5619}) = 2.457938431644011e-06$, $x_1 = 9.984348854061300e-01$, $x_2 = 9.968630799694307e-01$ 第5620次迭代 $f(x_{5620}) = 2.453970358203931e-06$, $x_1 = 9.984337492610972e-01$, $x_2 = 9.968670724604000e-01$ 第5621次迭代 $f(x_{5621}) = 2.450015916651749e-06$, $x_1 = 9.984374498804751e-01$, $x_2 = 9.968681472819378e-01$ 第5622次迭代 $f(x_{5622}) = 2.446075038074392e-06$, $x_1 = 9.984362837151424e-01$, $x_2 = 9.968720691400587e-01$ 第5623次迭代 $f(x_{5623}) = 2.442144925926888e-06$, $x_1 = 9.984399269390676e-01$, $x_2 = 9.968731679635066e-01$ 第5624次迭代 $f(x_{5624}) = 2.438204420162071e-06$, $x_1 = 9.984387867737073e-01$, $x_2 = 9.968771514198391e-01$ 第5625次迭代 $f(x_{5625}) = 2.434273678364257e-06$, $x_1 = 9.984424832539163e-01$, $x_2 = 9.968782188914238e-01$ 第5626次迭代 $f(x_{5626}) = 2.430359675855531e-06$, $x_1 = 9.984413130975438e-01$, $x_2 = 9.968821319763507e-01$ 第5627次迭代 $f(x_{5627}) = 2.426453164666282e-06$, $x_1 = 9.984449522768634e-01$, $x_2 = 9.968832234175952e-01$ 第5628次迭代 $f(x_{5628}) = 2.422540090565359e-06$, $x_1 = 9.984438079433783e-01$, $x_2 = 9.968871979488856e-01$ 第5629次迭代 $f(x_{5629}) = 2.418632858862396e-06$, $x_1 = 9.984475004603102e-01$, $x_2 = 9.968882580130776e-01$ 第5630次迭代 $f(x_{5630}) = 2.414745589846115e-06$, $x_1 = 9.984463261652889e-01$, $x_2 = 9.968921624334165e-01$ 第5631次迭代 $f(x_{5631}) = 2.410862492145531e-06$, $x_1 = 9.984499614720148e-01$, $x_2 = 9.968932464369091e-01$ 第5632次迭代 $f(x_{5632}) = 2.406976714701830e-06$, $x_1 = 9.984488128231311e-01$, $x_2 = 9.968972121523723e-01$ 第5633次迭代 $f(x_{5633}) = 2.403092804570114e-06$, $x_1 = 9.984525015520692e-01$, $x_2 = 9.968982647519382e-01$ 第5634次迭代 $f(x_{5634}) = 2.399232127490643e-06$, $x_1 = 9.984513229712979e-01$, $x_2 = 9.969021606159270e-01$ 第5635次迭代 $f(x_{5635}) = 2.395372256927797e-06$, $x_1 = 9.984549545768613e-01$, $x_2 = 9.969032371263113e-01$ 第5636次迭代 $f(x_{5636}) = 2.391513642147077e-06$, $x_1 = 9.984538014657970e-01$, $x_2 = 9.969071941347991e-01$ 第5637次迭代 $f(x_{5637}) = 2.387652866176971e-06$, $x_1 =$

9.984574865814483e-01, x2 = 9.969082392126960e-01 第5638次迭代 f(x_5638)
=2.383818640506315e-06, x1 = 9.984563035683006e-01, x2 = 9.969121266282204e-01 第5639次
迭代 f(x_5639)=2.379981811828431e-06, x1 = 9.984599316435858e-01, x2 =
9.969131955903159e-01 第5640次迭代 f(x_5640)=2.376150226738112e-06, x1 =
9.984587739240165e-01, x2 = 9.969171440003348e-01 第5641次迭代 f(x_5641)
=2.372312398611947e-06, x1 = 9.984624556005459e-01, x2 = 9.969181814996931e-01 第5642次
迭代 f(x_5642)=2.368504484853407e-06, x1 = 9.984612680088385e-01, x2 =
9.969220605743037e-01 第5643次迭代 f(x_5643)=2.364690513884688e-06, x1 =
9.984648927242138e-01, x2 = 9.969231219330904e-01 第5644次迭代 f(x_5644)
=2.360885236296716e-06, x1 = 9.984637574751373e-01, x2 = 9.969269695807274e-01 第5645次
迭代 f(x_5645)=2.357094538645545e-06, x1 = 9.984673264710712e-01, x2 =
9.969280541856507e-01 第5646次迭代 f(x_5646)=2.353289019689290e-06, x1 =
9.984662163457908e-01, x2 = 9.969319625578505e-01 第5647次迭代 f(x_5647)
=2.349497723487467e-06, x1 = 9.984698378703534e-01, x2 = 9.969330162588466e-01 第5648次
迭代 f(x_5648)=2.345718544966320e-06, x1 = 9.984686978369045e-01, x2 =
9.969368557199801e-01 第5649次迭代 f(x_5649)=2.341950435728791e-06, x1 =
9.984722637141246e-01, x2 = 9.969379326458290e-01 第5650次迭代 f(x_5650)
=2.338171610403644e-06, x1 = 9.984711486307951e-01, x2 = 9.969418326822109e-01 第5651次
迭代 f(x_5651)=2.334402806887037e-06, x1 = 9.984747671339800e-01, x2 =
9.969428786706688e-01 第5652次迭代 f(x_5652)=2.330649589213555e-06, x1 =
9.984736221744152e-01, x2 = 9.969467100503474e-01 第5653次迭代 f(x_5653)
=2.326903888342044e-06, x1 = 9.984771850987059e-01, x2 = 9.969477792441517e-01 第5654次
迭代 f(x_5654)=2.323151625523150e-06, x1 = 9.984760649158301e-01, x2 =
9.969516710504039e-01 第5655次迭代 f(x_5655)=2.319405133626238e-06, x1 =
9.984796805666522e-01, x2 = 9.969527092716902e-01 第5656次迭代 f(x_5656)
=2.315677739630703e-06, x1 = 9.984785305395512e-01, x2 = 9.969565326746882e-01 第5657次
迭代 f(x_5657)=2.311954268082116e-06, x1 = 9.984820906762999e-01, x2 =
9.969575940835798e-01 第5658次迭代 f(x_5658)=2.308228437708691e-06, x1 =
9.984809652526883e-01, x2 = 9.969614777651212e-01 第5659次迭代 f(x_5659)
=2.304504077363392e-06, x1 = 9.984845782197725e-01, x2 = 9.969625081647010e-01 第5660次
迭代 f(x_5660)=2.300802370929594e-06, x1 = 9.984834229840088e-01, x2 =
9.969663236955336e-01 第5661次迭代 f(x_5661)=2.297100950646983e-06, x1 =
9.984869804982358e-01, x2 = 9.969673772667316e-01 第5662次迭代 f(x_5662)
=2.293401423728595e-06, x1 = 9.984858496929770e-01, x2 = 9.969712529287279e-01 第5663次
迭代 f(x_5663)=2.289699015844869e-06, x1 = 9.984894601445894e-01, x2 =
9.969722754521499e-01 第5664次迭代 f(x_5664)=2.286022861913415e-06, x1 =
9.984882995593002e-01, x2 = 9.969760832150888e-01 第5665次迭代 f(x_5665)
=2.282343315806119e-06, x1 = 9.984918546156887e-01, x2 = 9.969771288958855e-01 第5666次
迭代 f(x_5666)=2.278669825076249e-06, x1 = 9.984907449006710e-01, x2 =
9.969809060614356e-01 第5667次迭代 f(x_5667)=2.275012208342309e-06, x1 =
9.984943713271448e-01, x2 = 9.969820126237194e-01 第5668次迭代 f(x_5668)
=2.271368038157379e-06, x1 = 9.984931829045631e-01, x2 = 9.969856862576374e-01 第5669次
迭代 f(x_5669)=2.267729739075116e-06, x1 = 9.984967315882979e-01, x2 =
9.969868270263187e-01 第5670次迭代 f(x_5670)=2.264090942052491e-06, x1 =
9.984955659979990e-01, x2 = 9.969906217357279e-01 第5671次迭代 f(x_5671)
=2.260444493670853e-06, x1 = 9.984991144586726e-01, x2 = 9.969916571283088e-01 第5672次
迭代 f(x_5672)=2.256808268023050e-06, x1 = 9.984979996098866e-01, x2 =
9.969954213298831e-01 第5673次迭代 f(x_5673)=2.253183987322402e-06, x1 =
9.985014940179487e-01, x2 = 9.969964792376677e-01 第5674次迭代 f(x_5674)
=2.249547988491338e-06, x1 = 9.985004031926829e-01, x2 = 9.970003030786126e-01 第5675次

迭代 $f(x_{5675}) = 2.245922977406493e-06$, $x_1 = 9.985039496024110e-01$, $x_2 = 9.970013304508808e-01$ 第5676次迭代 $f(x_{5676}) = 2.242311891058534e-06$, $x_1 = 9.985028290215322e-01$, $x_2 = 9.970050871765969e-01$ 第5677次迭代 $f(x_{5677}) = 2.238708975408998e-06$, $x_1 = 9.985063214247296e-01$, $x_2 = 9.970061370554616e-01$ 第5678次迭代 $f(x_{5678}) = 2.235098754479360e-06$, $x_1 = 9.985052246969390e-01$, $x_2 = 9.970099532748942e-01$ 第5679次迭代 $f(x_{5679}) = 2.231495006920044e-06$, $x_1 = 9.985087692192595e-01$, $x_2 = 9.970109725743823e-01$ 第5680次迭代 $f(x_{5680}) = 2.227908927739250e-06$, $x_1 = 9.985076427697358e-01$, $x_2 = 9.970147219259146e-01$ 第5681次迭代 $f(x_{5681}) = 2.224327205261674e-06$, $x_1 = 9.985111333281835e-01$, $x_2 = 9.970157637250561e-01$ 第5682次迭代 $f(x_{5682}) = 2.220742636888735e-06$, $x_1 = 9.985100305614585e-01$, $x_2 = 9.970195724253250e-01$ 第5683次迭代 $f(x_{5683}) = 2.217159979967461e-06$, $x_1 = 9.985135733597031e-01$, $x_2 = 9.970205835995749e-01$ 第5684次迭代 $f(x_{5684}) = 2.213598776896434e-06$, $x_1 = 9.985124409050958e-01$, $x_2 = 9.970243256784312e-01$ 第5685次迭代 $f(x_{5685}) = 2.210038076586571e-06$, $x_1 = 9.985159297787219e-01$, $x_2 = 9.970253593470456e-01$ 第5686次迭代 $f(x_{5686}) = 2.206479036541522e-06$, $x_1 = 9.985148208367500e-01$, $x_2 = 9.970291606303388e-01$ 第5687次迭代 $f(x_{5687}) = 2.202917298234728e-06$, $x_1 = 9.985183620740749e-01$, $x_2 = 9.970301636268858e-01$ 第5688次迭代 $f(x_{5688}) = 2.199380841295528e-06$, $x_1 = 9.985172234780301e-01$, $x_2 = 9.970338985344219e-01$ 第5689次迭代 $f(x_{5689}) = 2.195840993006172e-06$, $x_1 = 9.985207108266038e-01$, $x_2 = 9.970349240216909e-01$ 第5690次迭代 $f(x_{5690}) = 2.192307167842090e-06$, $x_1 = 9.985196216921434e-01$, $x_2 = 9.970386291361095e-01$ 第5691次迭代 $f(x_{5691}) = 2.188788416066828e-06$, $x_1 = 9.985231794984816e-01$, $x_2 = 9.970397141120267e-01$ 第5692次迭代 $f(x_{5692}) = 2.185282748388142e-06$, $x_1 = 9.985220127265506e-01$, $x_2 = 9.970433178968714e-01$ 第5693次迭代 $f(x_{5693}) = 2.181782530938010e-06$, $x_1 = 9.985254946874030e-01$, $x_2 = 9.970444362192201e-01$ 第5694次迭代 $f(x_{5694}) = 2.178281449911337e-06$, $x_1 = 9.985243628996012e-01$, $x_2 = 9.970481165535490e-01$ 第5695次迭代 $f(x_{5695}) = 2.174783967324379e-06$, $x_1 = 9.985277939830266e-01$, $x_2 = 9.970491568620252e-01$ 第5696次迭代 $f(x_{5696}) = 2.171274352768005e-06$, $x_1 = 9.985267240054143e-01$, $x_2 = 9.970529126399309e-01$ 第5697次迭代 $f(x_{5697}) = 2.167776103004886e-06$, $x_1 = 9.985302065349614e-01$, $x_2 = 9.970539227713655e-01$ 第5698次迭代 $f(x_{5698}) = 2.164290715537315e-06$, $x_1 = 9.985291069271568e-01$, $x_2 = 9.970576128124261e-01$ 第5699次迭代 $f(x_{5699}) = 2.160813686736025e-06$, $x_1 = 9.985325368281009e-01$, $x_2 = 9.970586448401767e-01$ 第5700次迭代 $f(x_{5700}) = 2.157329145956098e-06$, $x_1 = 9.985314602562619e-01$, $x_2 = 9.970623935287285e-01$ 第5701次迭代 $f(x_{5701}) = 2.153851244541566e-06$, $x_1 = 9.985349417356501e-01$, $x_2 = 9.970633953278865e-01$ 第5702次迭代 $f(x_{5702}) = 2.150390135112374e-06$, $x_1 = 9.985338355687851e-01$, $x_2 = 9.970670785216138e-01$ 第5703次迭代 $f(x_{5703}) = 2.146933394264163e-06$, $x_1 = 9.985372644433089e-01$, $x_2 = 9.970681022193485e-01$ 第5704次迭代 $f(x_{5704}) = 2.143473806398790e-06$, $x_1 = 9.985361811444384e-01$, $x_2 = 9.970718439184809e-01$ 第5705次迭代 $f(x_{5705}) = 2.140016086495981e-06$, $x_1 = 9.985396617329367e-01$, $x_2 = 9.970728373344222e-01$ 第5706次迭代 $f(x_{5706}) = 2.136579128745600e-06$, $x_1 = 9.985385488741020e-01$, $x_2 = 9.970765137799625e-01$ 第5707次迭代 $f(x_{5707}) = 2.133142510800158e-06$, $x_1 = 9.985419768782311e-01$, $x_2 = 9.970775290983165e-01$ 第5708次迭代 $f(x_{5708}) = 2.129707756136156e-06$, $x_1 = 9.985408867194707e-01$, $x_2 = 9.970812639078802e-01$ 第5709次迭代 $f(x_{5709}) = 2.126270051677947e-06$, $x_1 = 9.985443665763262e-01$, $x_2 = 9.970822488895834e-01$ 第5710次迭代 $f(x_{5710}) = 2.122857120339655e-06$, $x_1 = 9.985432468925477e-01$, $x_2 = 9.970859186860083e-01$ 第5711次迭代 $f(x_{5711}) = 2.119440461012245e-06$, $x_1 = 9.985466741822973e-01$, $x_2 = 9.970869255755295e-01$ 第5712次迭代 $f(x_{5712}) = 2.116030123664892e-06$, $x_1 =$

9.985456027257693e-01, x2 = 9.970905662858672e-01 第5713次迭代 f(x_5713)
=2.112633917369796e-06, x1 = 9.985490996495557e-01, x2 = 9.970916314123506e-01 第5714次
迭代 f(x_5714)=2.109250609617818e-06, x1 = 9.985479515246172e-01, x2 =
9.970951727711340e-01 第5715次迭代 f(x_5715) =2.105872253891104e-06, x1 =
9.985513742696316e-01, x2 = 9.970962704904867e-01 第5716次迭代 f(x_5716)
=2.102493595772999e-06, x1 = 9.985502601208571e-01, x2 = 9.970998872505230e-01 第5717次
迭代 f(x_5717) =2.099117592317571e-06, x1 = 9.985536332523191e-01, x2 =
9.971009081420525e-01 第5718次迭代 f(x_5718) =2.095730991790349e-06, x1 =
9.985525794556992e-01, x2 = 9.971045992065211e-01 第5719次迭代 f(x_5719)
=2.092354148914781e-06, x1 = 9.985560035709315e-01, x2 = 9.971055902314692e-01 第5720次
迭代 f(x_5720) =2.088990833367536e-06, x1 = 9.985549202856036e-01, x2 =
9.971092169040091e-01 第5721次迭代 f(x_5721) =2.085634411222639e-06, x1 =
9.985582930197140e-01, x2 = 9.971102292788306e-01 第5722次迭代 f(x_5722)
=2.082272197540256e-06, x1 = 9.985572319721383e-01, x2 = 9.971139137652827e-01 第5723次
迭代 f(x_5723) =2.078914826907031e-06, x1 = 9.985606558368498e-01, x2 =
9.971148962144645e-01 第5724次迭代 f(x_5724) =2.075575080524729e-06, x1 =
9.985595653365529e-01, x2 = 9.971185165460167e-01 第5725次迭代 f(x_5725)
=2.072238079369246e-06, x1 = 9.985629378262006e-01, x2 = 9.971195203559213e-01 第5726次
迭代 f(x_5726) =2.068900136368048e-06, x1 = 9.985618693975882e-01, x2 =
9.971231983623288e-01 第5727次迭代 f(x_5727) =2.065562076643354e-06, x1 =
9.985652931678817e-01, x2 = 9.971241721858835e-01 第5728次迭代 f(x_5728)
=2.062245777870671e-06, x1 = 9.985641953223608e-01, x2 = 9.971277862736813e-01 第5729次
迭代 f(x_5729) =2.058928038079628e-06, x1 = 9.985675677205403e-01, x2 =
9.971287814703164e-01 第5730次迭代 f(x_5730) =2.055614250773020e-06, x1 =
9.985664917806161e-01, x2 = 9.971324530946396e-01 第5731次迭代 f(x_5731)
=2.052295341304148e-06, x1 = 9.985699156127150e-01, x2 = 9.971334182425554e-01 第5732次
迭代 f(x_5732) =2.049002369691207e-06, x1 = 9.985688102915115e-01, x2 =
9.971370261838285e-01 第5733次迭代 f(x_5733) =2.045703732320809e-06, x1 =
9.985721827513461e-01, x2 = 9.971380127186864e-01 第5734次迭代 f(x_5734)
=2.042413283919752e-06, x1 = 9.985711245468730e-01, x2 = 9.971415922173918e-01 第5735次
迭代 f(x_5735) =2.039134443675018e-06, x1 = 9.985744467181531e-01, x2 =
9.971425996044213e-01 第5736次迭代 f(x_5736) =2.035844303086868e-06, x1 =
9.985734102927727e-01, x2 = 9.971462363729741e-01 第5737次迭代 f(x_5737)
=2.032564609999441e-06, x1 = 9.985767829668573e-01, x2 = 9.971472141977211e-01 第5738次
迭代 f(x_5738) =2.029297280517944e-06, x1 = 9.985757171725498e-01, x2 =
9.971507876548199e-01 第5739次迭代 f(x_5739) =2.026037338505527e-06, x1 =
9.985790395535304e-01, x2 = 9.971517863477343e-01 第5740次迭代 f(x_5740)
=2.022771030421594e-06, x1 = 9.985779953738269e-01, x2 = 9.971554169373319e-01 第5741次
迭代 f(x_5741) =2.019510123985069e-06, x1 = 9.985813684156210e-01, x2 =
9.971563860031124e-01 第5742次迭代 f(x_5742) =2.016265794580940e-06, x1 =
9.985802949035409e-01, x2 = 9.971599535143129e-01 第5743次迭代 f(x_5743)
=2.013024594818656e-06, x1 = 9.985836176446684e-01, x2 = 9.971609434657176e-01 第5744次
迭代 f(x_5744) =2.009782006824436e-06, x1 = 9.985825655826437e-01, x2 =
9.971645679728069e-01 第5745次迭代 f(x_5745) =2.006539730039163e-06, x1 =
9.985859391458101e-01, x2 = 9.971655282305739e-01 第5746次迭代 f(x_5746)
=2.003318282980755e-06, x1 = 9.985848577877336e-01, x2 = 9.971690898916222e-01 第5747次
迭代 f(x_5747) =2.000095670119540e-06, x1 = 9.985881810396657e-01, x2 =
9.971700710539276e-01 第5748次迭代 f(x_5748) =1.996876690996211e-06, x1 =
9.985871209670207e-01, x2 = 9.971736895749995e-01 第5749次迭代 f(x_5749)
=1.993652887477328e-06, x1 = 9.985904952054525e-01, x2 = 9.971746409755016e-01 第5750次

迭代 $f(x_{5750}) = 1.990454206146029e-06$, $x_1 = 9.985894058728445e-01$, $x_2 = 9.971781968821957e-01$ 第5751次迭代 $f(x_{5751}) = 1.987250025452338e-06$, $x_1 = 9.985927297864751e-01$, $x_2 = 9.971791692076049e-01$ 第5752次迭代 $f(x_{5752}) = 1.984053842218906e-06$, $x_1 = 9.985916865918836e-01$, $x_2 = 9.971826972321347e-01$ 第5753次迭代 $f(x_{5753}) = 1.980868828521389e-06$, $x_1 = 9.985949612355269e-01$, $x_2 = 9.971836899620344e-01$ 第5754次迭代 $f(x_{5754}) = 1.977673027250035e-06$, $x_1 = 9.985939392068641e-01$, $x_2 = 9.971872745811752e-01$ 第5755次迭代 $f(x_{5755}) = 1.974487124726770e-06$, $x_1 = 9.985972639326843e-01$, $x_2 = 9.971882380220034e-01$ 第5756次迭代 $f(x_{5756}) = 1.971313500939535e-06$, $x_1 = 9.985962126641721e-01$, $x_2 = 9.971917603890167e-01$ 第5757次迭代 $f(x_{5757}) = 1.968146725808245e-06$, $x_1 = 9.985994881024721e-01$, $x_2 = 9.971927442566223e-01$ 第5758次迭代 $f(x_{5758}) = 1.964974214553241e-06$, $x_1 = 9.985984578367280e-01$, $x_2 = 9.971963230834041e-01$ 第5759次迭代 $f(x_{5759}) = 1.961806436651940e-06$, $x_1 = 9.986017835261767e-01$, $x_2 = 9.971972775914045e-01$ 第5760次迭代 $f(x_{5760}) = 1.958655257332128e-06$, $x_1 = 9.986007240574267e-01$, $x_2 = 9.972007943953325e-01$ 第5761次迭代 $f(x_{5761}) = 1.955506568818739e-06$, $x_1 = 9.986040004389022e-01$, $x_2 = 9.972017693538124e-01$ 第5762次迭代 $f(x_{5762}) = 1.952357239018010e-06$, $x_1 = 9.986029618096458e-01$, $x_2 = 9.972053424834223e-01$ 第5763次迭代 $f(x_{5763}) = 1.949207432758217e-06$, $x_1 = 9.986062886144713e-01$, $x_2 = 9.972062880101054e-01$ 第5764次迭代 $f(x_{5764}) = 1.946078584041370e-06$, $x_1 = 9.986052208187787e-01$, $x_2 = 9.972097993454707e-01$ 第5765次迭代 $f(x_{5765}) = 1.942947830768036e-06$, $x_1 = 9.986084982922609e-01$, $x_2 = 9.972107653477490e-01$ 第5766次迭代 $f(x_{5766}) = 1.939821526367607e-06$, $x_1 = 9.986074756959807e-01$, $x_2 = 9.972142493247219e-01$ 第5767次迭代 $f(x_{5767}) = 1.936709050851036e-06$, $x_1 = 9.986108206896662e-01$, $x_2 = 9.972152706595956e-01$ 第5768次迭代 $f(x_{5768}) = 1.933607955201611e-06$, $x_1 = 9.986097238511688e-01$, $x_2 = 9.972186599356364e-01$ 第5769次迭代 $f(x_{5769}) = 1.930511719019409e-06$, $x_1 = 9.986129987915661e-01$, $x_2 = 9.972197119908182e-01$ 第5770次迭代 $f(x_{5770}) = 1.927414794995130e-06$, $x_1 = 9.986119335941774e-01$, $x_2 = 9.972231739013928e-01$ 第5771次迭代 $f(x_{5771}) = 1.924320743230140e-06$, $x_1 = 9.986151619028776e-01$, $x_2 = 9.972241519667518e-01$ 第5772次迭代 $f(x_{5772}) = 1.921216598115650e-06$, $x_1 = 9.986141535862614e-01$, $x_2 = 9.972276854689344e-01$ 第5773次迭代 $f(x_{5773}) = 1.918121620752811e-06$, $x_1 = 9.986174315654023e-01$, $x_2 = 9.972286345130097e-01$ 第5774次迭代 $f(x_{5774}) = 1.915039008236228e-06$, $x_1 = 9.986163941445257e-01$, $x_2 = 9.972321068018816e-01$ 第5775次迭代 $f(x_{5775}) = 1.911962559494356e-06$, $x_1 = 9.986196238084024e-01$, $x_2 = 9.972330758470759e-01$ 第5776次迭代 $f(x_{5776}) = 1.908881172779676e-06$, $x_1 = 9.986186067948953e-01$, $x_2 = 9.972366039297708e-01$ 第5777次迭代 $f(x_{5777}) = 1.905803682350813e-06$, $x_1 = 9.986218863087981e-01$, $x_2 = 9.972375438776436e-01$ 第5778次迭代 $f(x_{5778}) = 1.902742971400248e-06$, $x_1 = 9.986208402279777e-01$, $x_2 = 9.972410109726696e-01$ 第5779次迭代 $f(x_{5779}) = 1.899683977534319e-06$, $x_1 = 9.986240713939718e-01$, $x_2 = 9.972419709512620e-01$ 第5780次迭代 $f(x_{5780}) = 1.896625244524902e-06$, $x_1 = 9.986230455583638e-01$, $x_2 = 9.972454937085767e-01$ 第5781次迭代 $f(x_{5781}) = 1.893565091833463e-06$, $x_1 = 9.986263267572160e-01$, $x_2 = 9.972464245121437e-01$ 第5782次迭代 $f(x_{5782}) = 1.890526172432336e-06$, $x_1 = 9.986252718909221e-01$, $x_2 = 9.972498865068014e-01$ 第5783次迭代 $f(x_{5783}) = 1.887484485807210e-06$, $x_1 = 9.986285047063832e-01$, $x_2 = 9.972508373720633e-01$ 第5784次迭代 $f(x_{5784}) = 1.884448063679570e-06$, $x_1 = 9.986274941573773e-01$, $x_2 = 9.972542725185283e-01$ 第5785次迭代 $f(x_{5785}) = 1.881424357123985e-06$, $x_1 = 9.986307938461759e-01$, $x_2 = 9.972552777581351e-01$ 第5786次迭代 $f(x_{5786}) = 1.878412140732480e-06$, $x_1 = 9.986297098199040e-01$, $x_2 = 9.972586197183871e-01$ 第5787次迭代 $f(x_{5787}) = 1.875404192898473e-06$, $x_1 =$

9.986329406575341e-01, x2 = 9.972596551387816e-01 第5788次迭代 f(x_5788)
=1.872396322067352e-06, x1 = 9.986318875274091e-01, x2 = 9.972630688330876e-01 第5789次
迭代 f(x_5789)=1.869390139894113e-06, x1 = 9.986350726688494e-01, x2 =
9.972640311965424e-01 第5790次迭代 f(x_5790)=1.866375598357803e-06, x1 =
9.986340753414662e-01, x2 = 9.972675155821158e-01 第5791次迭代 f(x_5791)
=1.863368434079165e-06, x1 = 9.986373097983554e-01, x2 = 9.972684491628138e-01 第5792次
迭代 f(x_5792)=1.860374645510665e-06, x1 = 9.986362835092625e-01, x2 =
9.972718733544191e-01 第5793次迭代 f(x_5793)=1.857385451447772e-06, x1 =
9.986394705485502e-01, x2 = 9.972728265469987e-01 第5794次迭代 f(x_5794)
=1.854393149469507e-06, x1 = 9.986384640808454e-01, x2 = 9.972763058756736e-01 第5795次
迭代 f(x_5795)=1.851402855156123e-06, x1 = 9.986417006256267e-01, x2 =
9.972772302040345e-01 第5796次迭代 f(x_5796)=1.848430439112189e-06, x1 =
9.986406652330317e-01, x2 = 9.972806495609189e-01 第5797次迭代 f(x_5797)
=1.845458088548518e-06, x1 = 9.986438543159787e-01, x2 = 9.972815935363615e-01 第5798次
迭代 f(x_5798)=1.842487925372133e-06, x1 = 9.986428385835153e-01, x2 =
9.972850679013970e-01 第5799次迭代 f(x_5799)=1.839514355339403e-06, x1 =
9.986460773652729e-01, x2 = 9.972859829294812e-01 第5800次迭代 f(x_5800)
=1.836563205674007e-06, x1 = 9.986450327443758e-01, x2 = 9.972893975443070e-01 第5801次
迭代 f(x_5801)=1.833607554454511e-06, x1 = 9.986482240172952e-01, x2 =
9.972903322560148e-01 第5802次迭代 f(x_5802)=1.830658837749294e-06, x1 =
9.986472229031944e-01, x2 = 9.972937204960246e-01 第5803次迭代 f(x_5803)
=1.827720698993377e-06, x1 = 9.986503676456902e-01, x2 = 9.972946744088834e-01 第5804次
迭代 f(x_5804)=1.824772450558772e-06, x1 = 9.986493860892010e-01, x2 =
9.972981173960102e-01 第5805次迭代 f(x_5805)=1.821833355090471e-06, x1 =
9.986525796983178e-01, x2 = 9.972990427973440e-01 第5806次迭代 f(x_5806)
=1.818905705237515e-06, x1 = 9.986515692922486e-01, x2 = 9.973024263723850e-01 第5807次
迭代 f(x_5807)=1.815984098131882e-06, x1 = 9.986547163210202e-01, x2 =
9.973033710128084e-01 第5808次迭代 f(x_5808)=1.813057683765199e-06, x1 =
9.986537253124341e-01, x2 = 9.973068092071692e-01 第5809次迭代 f(x_5809)
=1.810135000760424e-06, x1 = 9.986569214051311e-01, x2 = 9.973077252508262e-01 第5810次
迭代 f(x_5810)=1.807228313299241e-06, x1 = 9.986559015837793e-01, x2 =
9.973111042525710e-01 第5811次迭代 f(x_5811)=1.804323096050509e-06, x1 =
9.986590510434949e-01, x2 = 9.973120395745700e-01 第5812次迭代 f(x_5812)
=1.801418417813595e-06, x1 = 9.986580504592506e-01, x2 = 9.973154730686320e-01 第5813次
迭代 f(x_5813)=1.798512004396017e-06, x1 = 9.986612491834782e-01, x2 =
9.973163797069411e-01 第5814次迭代 f(x_5814)=1.795626175990431e-06, x1 =
9.986602198228880e-01, x2 = 9.973197542272842e-01 第5815次迭代 f(x_5815)
=1.792737207221912e-06, x1 = 9.986633718587833e-01, x2 = 9.973206801845020e-01 第5816次
迭代 f(x_5816)=1.789853812669453e-06, x1 = 9.986623852353044e-01, x2 =
9.973240287671606e-01 第5817次迭代 f(x_5817)=1.786981896042973e-06, x1 =
9.986654915396745e-01, x2 = 9.973249735715475e-01 第5818次迭代 f(x_5818)
=1.784098809882716e-06, x1 = 9.986645240549149e-01, x2 = 9.973283763869356e-01 第5819次
迭代 f(x_5819)=1.781225948735657e-06, x1 = 9.986676788122172e-01, x2 =
9.973292929329347e-01 第5820次迭代 f(x_5820)=1.778363215912501e-06, x1 =
9.986666825946530e-01, x2 = 9.973326371063574e-01 第5821次迭代 f(x_5821)
=1.775507386485582e-06, x1 = 9.986697915624198e-01, x2 = 9.973335725413605e-01 第5822次
迭代 f(x_5822)=1.772645736059390e-06, x1 = 9.986688143242433e-01, x2 =
9.973369708216540e-01 第5823次迭代 f(x_5823)=1.769788841945516e-06, x1 =
9.986719719493881e-01, x2 = 9.973378779093094e-01 第5824次迭代 f(x_5824)
=1.766946669207236e-06, x1 = 9.986709660150872e-01, x2 = 9.973412177644946e-01 第5825次

迭代 $f(x_{5825}) = 1.764106787860332e-06$, $x_1 = 9.986740777900223e-01$, $x_2 = 9.973421437842777e-01$ 第5826次迭代 $f(x_{5826}) = 1.761266478081664e-06$, $x_1 = 9.986730906754953e-01$, $x_2 = 9.973455376212791e-01$ 第5827次迭代 $f(x_{5827}) = 1.758425410784452e-06$, $x_1 = 9.986762513155525e-01$, $x_2 = 9.973464352030649e-01$ 第5828次迭代 $f(x_{5828}) = 1.755603697611468e-06$, $x_1 = 9.986752355411574e-01$, $x_2 = 9.973497708312663e-01$ 第5829次迭代 $f(x_{5829}) = 1.752779625602813e-06$, $x_1 = 9.986783502676638e-01$, $x_2 = 9.973506873895942e-01$ 第5830次迭代 $f(x_{5830}) = 1.749960335600648e-06$, $x_1 = 9.986773765053463e-01$, $x_2 = 9.973539974943231e-01$ 第5831次迭代 $f(x_{5831}) = 1.747152855479626e-06$, $x_1 = 9.986805563593978e-01$, $x_2 = 9.973549661064945e-01$ 第5832次迭代 $f(x_{5832}) = 1.744356089492427e-06$, $x_1 = 9.986795111267954e-01$, $x_2 = 9.973581867483878e-01$ 第5833次迭代 $f(x_{5833}) = 1.741563167169042e-06$, $x_1 = 9.986826252991362e-01$, $x_2 = 9.973591841100754e-01$ 第5834次迭代 $f(x_{5834}) = 1.738770576447486e-06$, $x_1 = 9.986816091538087e-01$, $x_2 = 9.973624742188487e-01$ 第5835次迭代 $f(x_{5835}) = 1.735979080933798e-06$, $x_1 = 9.986846799502069e-01$, $x_2 = 9.973634008531590e-01$ 第5836次迭代 $f(x_{5836}) = 1.733180547930282e-06$, $x_1 = 9.986837169048161e-01$, $x_2 = 9.973667594183733e-01$ 第5837次迭代 $f(x_{5837}) = 1.730388005115931e-06$, $x_1 = 9.986868359380022e-01$, $x_2 = 9.973676579611880e-01$ 第5838次迭代 $f(x_{5838}) = 1.727608737619544e-06$, $x_1 = 9.986858443167046e-01$, $x_2 = 9.973709588567679e-01$ 第5839次迭代 $f(x_{5839}) = 1.724832762438603e-06$, $x_1 = 9.986889182799279e-01$, $x_2 = 9.973718759862085e-01$ 第5840次迭代 $f(x_{5840}) = 1.722055179658498e-06$, $x_1 = 9.986879450732334e-01$, $x_2 = 9.973752303559368e-01$ 第5841次迭代 $f(x_{5841}) = 1.719278035097724e-06$, $x_1 = 9.986910674878385e-01$, $x_2 = 9.973761192996619e-01$ 第5842次迭代 $f(x_{5842}) = 1.716518833969698e-06$, $x_1 = 9.986900657412666e-01$, $x_2 = 9.973794162135401e-01$ 第5843次迭代 $f(x_{5843}) = 1.713758242933391e-06$, $x_1 = 9.986931430149883e-01$, $x_2 = 9.973803237919497e-01$ 第5844次迭代 $f(x_{5844}) = 1.711001457313999e-06$, $x_1 = 9.986921825569587e-01$, $x_2 = 9.973835955951600e-01$ 第5845次迭代 $f(x_{5845}) = 1.708256829909890e-06$, $x_1 = 9.986953243943407e-01$, $x_2 = 9.973845545615947e-01$ 第5846次迭代 $f(x_{5846}) = 1.705522337372865e-06$, $x_1 = 9.986942930958501e-01$, $x_2 = 9.973877379898977e-01$ 第5847次迭代 $f(x_{5847}) = 1.702791908294506e-06$, $x_1 = 9.986973702550526e-01$, $x_2 = 9.973887252496690e-01$ 第5848次迭代 $f(x_{5848}) = 1.700061340601969e-06$, $x_1 = 9.986963675221776e-01$, $x_2 = 9.973919774644091e-01$ 第5849次迭代 $f(x_{5849}) = 1.697332470119763e-06$, $x_1 = 9.986994019917040e-01$, $x_2 = 9.973928946893345e-01$ 第5850次迭代 $f(x_{5850}) = 1.694595964956597e-06$, $x_1 = 9.986984515492687e-01$, $x_2 = 9.973962147009258e-01$ 第5851次迭代 $f(x_{5851}) = 1.691866052521617e-06$, $x_1 = 9.987015338684859e-01$, $x_2 = 9.973971040729515e-01$ 第5852次迭代 $f(x_{5852}) = 1.689148519817004e-06$, $x_1 = 9.987005549740795e-01$, $x_2 = 9.974003671593487e-01$ 第5853次迭代 $f(x_{5853}) = 1.686434752765340e-06$, $x_1 = 9.987035929604879e-01$, $x_2 = 9.974012747935415e-01$ 第5854次迭代 $f(x_{5854}) = 1.683718814787408e-06$, $x_1 = 9.987026320805559e-01$, $x_2 = 9.974045908518749e-01$ 第5855次迭代 $f(x_{5855}) = 1.681003882926151e-06$, $x_1 = 9.987057181380058e-01$, $x_2 = 9.974054705354263e-01$ 第5856次迭代 $f(x_{5856}) = 1.678306031246105e-06$, $x_1 = 9.987047288417922e-01$, $x_2 = 9.974087298799121e-01$ 第5857次迭代 $f(x_{5857}) = 1.675607233861482e-06$, $x_1 = 9.987077704882463e-01$, $x_2 = 9.974096278771787e-01$ 第5858次迭代 $f(x_{5858}) = 1.672911774881091e-06$, $x_1 = 9.987067990478748e-01$, $x_2 = 9.974129400732755e-01$ 第5859次迭代 $f(x_{5859}) = 1.670211688678828e-06$, $x_1 = 9.987098889900835e-01$, $x_2 = 9.974138100204377e-01$ 第5860次迭代 $f(x_{5860}) = 1.667533424162562e-06$, $x_1 = 9.987088891686331e-01$, $x_2 = 9.974170657135356e-01$ 第5861次迭代 $f(x_{5861}) = 1.664849462972911e-06$, $x_1 = 9.987119346190689e-01$, $x_2 = 9.974179540272142e-01$ 第5862次迭代 $f(x_{5862}) = 1.662173499809664e-06$, $x_1 =$

9.987109754956077e-01, x2 = 9.974211849698069e-01 第5863次迭代 f(x_5863)
=1.659505307198825e-06, x1 = 9.987139773519249e-01, x2 = 9.974220912076126e-01 第5864次
迭代 f(x_5864) =1.656830250193850e-06, x1 = 9.987130359981388e-01, x2 =
9.974253747473761e-01 第5865次迭代 f(x_5865) =1.654160992108681e-06, x1 =
9.987160853967291e-01, x2 = 9.974262533306059e-01 第5866次迭代 f(x_5866)
=1.651504426538436e-06, x1 = 9.987151157180364e-01, x2 = 9.974294806799038e-01 第5867次
迭代 f(x_5867) =1.648850927845872e-06, x1 = 9.987181214397983e-01, x2 =
9.974303772409686e-01 第5868次迭代 f(x_5868) =1.646196065126158e-06, x1 =
9.987171693729470e-01, x2 = 9.974336570683180e-01 第5869次迭代 f(x_5869)
=1.643541377211594e-06, x1 = 9.987202228652367e-01, x2 = 9.974345258734713e-01 第5870次
迭代 f(x_5870) =1.640904117059178e-06, x1 = 9.987192425086681e-01, x2 =
9.974377497193706e-01 第5871次迭代 f(x_5871) =1.638265180771225e-06, x1 =
9.987222522388669e-01, x2 = 9.974386365573020e-01 第5872次迭代 f(x_5872)
=1.635630277929411e-06, x1 = 9.987213118868985e-01, x2 = 9.974418360349216e-01 第5873次
迭代 f(x_5873) =1.633006668556370e-06, x1 = 9.987243851486964e-01, x2 =
9.974427729121681e-01 第5874次迭代 f(x_5874) =1.630392962836162e-06, x1 =
9.987233751461541e-01, x2 = 9.974458861800505e-01 第5875次迭代 f(x_5875)
=1.627782892068471e-06, x1 = 9.987263855069128e-01, x2 = 9.974468505517256e-01 第5876次
迭代 f(x_5876) =1.625173121938937e-06, x1 = 9.987254030433795e-01, x2 =
9.974500312673301e-01 第5877次迭代 f(x_5877) =1.622564303195700e-06, x1 =
9.987283720339497e-01, x2 = 9.974509269821284e-01 第5878次迭代 f(x_5878)
=1.619949103823606e-06, x1 = 9.987274403242261e-01, x2 = 9.974541741687547e-01 第5879次
迭代 f(x_5879) =1.617339203649865e-06, x1 = 9.987304565335315e-01, x2 =
9.974550424347927e-01 第5880次迭代 f(x_5880) =1.614742063421803e-06, x1 =
9.987294966284894e-01, x2 = 9.974582341545187e-01 第5881次迭代 f(x_5881)
=1.612147541742067e-06, x1 = 9.987324698184449e-01, x2 = 9.974591201127788e-01 第5882次
迭代 f(x_5882) =1.609552168979684e-06, x1 = 9.987315271339012e-01, x2 =
9.974623638196429e-01 第5883次迭代 f(x_5883) =1.606956441383305e-06, x1 =
9.987345477774694e-01, x2 = 9.974632222243555e-01 第5884次迭代 f(x_5884)
=1.604378237203901e-06, x1 = 9.987335769322514e-01, x2 = 9.974664106710583e-01 第5885次
迭代 f(x_5885) =1.601797883261191e-06, x1 = 9.987365544644832e-01, x2 =
9.974672868261570e-01 第5886次迭代 f(x_5886) =1.599222000777380e-06, x1 =
9.987356230193084e-01, x2 = 9.974704512561824e-01 第5887次迭代 f(x_5887)
=1.596656685659117e-06, x1 = 9.987385583028656e-01, x2 = 9.974713447366568e-01 第5888次
迭代 f(x_5888) =1.594081212165481e-06, x1 = 9.987376439972913e-01, x2 =
9.974745609024532e-01 第5889次迭代 f(x_5889) =1.591514896952611e-06, x1 =
9.987406260150425e-01, x2 = 9.974754272075118e-01 第5890次迭代 f(x_5890)
=1.588957765479784e-06, x1 = 9.987396836110288e-01, x2 = 9.974785884161070e-01 第5891次
迭代 f(x_5891) =1.586406484365008e-06, x1 = 9.987426232865214e-01, x2 =
9.974794721054455e-01 第5892次迭代 f(x_5892) =1.583850561155814e-06, x1 =
9.987416978653719e-01, x2 = 9.974826849339405e-01 第5893次迭代 f(x_5893)
=1.581298155776046e-06, x1 = 9.987446845133257e-01, x2 = 9.974835413412813e-01 第5894次
迭代 f(x_5894) =1.578759687572738e-06, x1 = 9.987437310282407e-01, x2 =
9.974866994175802e-01 第5895次迭代 f(x_5895) =1.576222312952713e-06, x1 =
9.987466752378588e-01, x2 = 9.974875732693109e-01 第5896次迭代 f(x_5896)
=1.573685859276934e-06, x1 = 9.987457385784613e-01, x2 = 9.974907828504850e-01 第5897次
迭代 f(x_5897) =1.571147235024032e-06, x1 = 9.987487300022294e-01, x2 =
9.974916293118872e-01 第5898次迭代 f(x_5898) =1.568627343472892e-06, x1 =
9.987477653128480e-01, x2 = 9.974947843454275e-01 第5899次迭代 f(x_5899)
=1.566103748042005e-06, x1 = 9.987507141997012e-01, x2 = 9.974956483125402e-01 第5900次

迭代 $f(x_{5900}) = 1.563586122439122e-06$, $x_1 = 9.987497883808356e-01$, $x_2 = 9.974987796430027e-01$ 第5901次迭代 $f(x_{5901}) = 1.561077229892860e-06$, $x_1 = 9.987526955780283e-01$, $x_2 = 9.974996606984529e-01$ 第5902次迭代 $f(x_{5902}) = 1.558560311836446e-06$, $x_1 = 9.987517865069542e-01$, $x_2 = 9.975028432842038e-01$ 第5903次迭代 $f(x_{5903}) = 1.556050368571907e-06$, $x_1 = 9.987547402145702e-01$, $x_2 = 9.975036973194003e-01$ 第5904次迭代 $f(x_{5904}) = 1.553551137168509e-06$, $x_1 = 9.987538031786010e-01$, $x_2 = 9.975068256552900e-01$ 第5905次迭代 $f(x_{5905}) = 1.551055894878261e-06$, $x_1 = 9.987567150965506e-01$, $x_2 = 9.975076968408000e-01$ 第5906次迭代 $f(x_{5906}) = 1.548558175192772e-06$, $x_1 = 9.987557946518156e-01$, $x_2 = 9.975108763182000e-01$ 第5907次迭代 $f(x_{5907}) = 1.546061757149491e-06$, $x_1 = 9.987587533252065e-01$, $x_2 = 9.975117203733621e-01$ 第5908次迭代 $f(x_{5908}) = 1.543580834997352e-06$, $x_1 = 9.987578049493226e-01$, $x_2 = 9.975148458037822e-01$ 第5909次迭代 $f(x_{5909}) = 1.541099117401180e-06$, $x_1 = 9.987607217305663e-01$, $x_2 = 9.975157070724310e-01$ 第5910次迭代 $f(x_{5910}) = 1.538620495278528e-06$, $x_1 = 9.987598116147653e-01$, $x_2 = 9.975188091394378e-01$ 第5911次迭代 $f(x_{5911}) = 1.536152954362058e-06$, $x_1 = 9.987627904807592e-01$, $x_2 = 9.975197187064256e-01$ 第5912次迭代 $f(x_{5912}) = 1.533694495521357e-06$, $x_1 = 9.987618123516102e-01$, $x_2 = 9.975227373927020e-01$ 第5913次迭代 $f(x_{5913}) = 1.531239629040338e-06$, $x_1 = 9.987647307495853e-01$, $x_2 = 9.975236733561906e-01$ 第5914次迭代 $f(x_{5914}) = 1.528784819364903e-06$, $x_1 = 9.987637788385371e-01$, $x_2 = 9.975267577031000e-01$ 第5915次迭代 $f(x_{5915}) = 1.526331155112937e-06$, $x_1 = 9.987666575945354e-01$, $x_2 = 9.975276268385315e-01$ 第5916次迭代 $f(x_{5916}) = 1.523871259606138e-06$, $x_1 = 9.987657544074671e-01$, $x_2 = 9.975307759038197e-01$ 第5917次迭代 $f(x_{5917}) = 1.521416502416018e-06$, $x_1 = 9.987686794325532e-01$, $x_2 = 9.975316181823914e-01$ 第5918次迭代 $f(x_{5918}) = 1.518973694081491e-06$, $x_1 = 9.987677484158904e-01$, $x_2 = 9.975347136946801e-01$ 第5919次迭代 $f(x_{5919}) = 1.516533307940241e-06$, $x_1 = 9.987706322083107e-01$, $x_2 = 9.975355728868784e-01$ 第5920次迭代 $f(x_{5920}) = 1.514092264136828e-06$, $x_1 = 9.987697174018619e-01$, $x_2 = 9.975387190653380e-01$ 第5921次迭代 $f(x_{5921}) = 1.511650659292807e-06$, $x_1 = 9.987726477148784e-01$, $x_2 = 9.975395512872018e-01$ 第5922次迭代 $f(x_{5922}) = 1.509225812294264e-06$, $x_1 = 9.987717051117933e-01$, $x_2 = 9.975426441134658e-01$ 第5923次迭代 $f(x_{5923}) = 1.506798580598164e-06$, $x_1 = 9.987745940835664e-01$, $x_2 = 9.975434933150409e-01$ 第5924次迭代 $f(x_{5924}) = 1.504375977015013e-06$, $x_1 = 9.987736892334006e-01$, $x_2 = 9.975465630792996e-01$ 第5925次迭代 $f(x_{5925}) = 1.501962810500637e-06$, $x_1 = 9.987765376807960e-01$, $x_2 = 9.975474288582930e-01$ 第5926次迭代 $f(x_{5926}) = 1.499540768878114e-06$, $x_1 = 9.987756489674702e-01$, $x_2 = 9.975505490424091e-01$ 第5927次迭代 $f(x_{5927}) = 1.497126568186456e-06$, $x_1 = 9.987785432620512e-01$, $x_2 = 9.975513882056314e-01$ 第5928次迭代 $f(x_{5928}) = 1.494721748200135e-06$, $x_1 = 9.987776268219702e-01$, $x_2 = 9.975544553265858e-01$ 第5929次迭代 $f(x_{5929}) = 1.492321614692467e-06$, $x_1 = 9.987804804824456e-01$, $x_2 = 9.975553111338293e-01$ 第5930次迭代 $f(x_{5930}) = 1.489918162412447e-06$, $x_1 = 9.987795800233301e-01$, $x_2 = 9.975584285642032e-01$ 第5931次迭代 $f(x_{5931}) = 1.487516869317115e-06$, $x_1 = 9.987824797857223e-01$, $x_2 = 9.975592576404927e-01$ 第5932次迭代 $f(x_{5932}) = 1.485129752363849e-06$, $x_1 = 9.987815516324986e-01$, $x_2 = 9.975623222069148e-01$ 第5933次迭代 $f(x_{5933}) = 1.482742529819116e-06$, $x_1 = 9.987844106486210e-01$, $x_2 = 9.975631679950070e-01$ 第5934次迭代 $f(x_{5934}) = 1.480357593618374e-06$, $x_1 = 9.987834983199683e-01$, $x_2 = 9.975662827612778e-01$ 第5935次迭代 $f(x_{5935}) = 1.477969084815463e-06$, $x_1 = 9.987864036962466e-01$, $x_2 = 9.975671017014422e-01$ 第5936次迭代 $f(x_{5936}) = 1.475599591452062e-06$, $x_1 = 9.987854637055216e-01$, $x_2 = 9.975701638025800e-01$ 第5937次迭代 $f(x_{5937}) = 1.473225157944329e-06$, $x_1 =$

9.987883282209160e-01, x2 = 9.975709995235145e-01 第5938次迭代 f(x_5938)
=1.470857833800484e-06, x1 = 9.987874255452860e-01, x2 = 9.975740388289146e-01 第5939次
迭代 f(x_5939)=1.468497174803134e-06, x1 = 9.987902500035676e-01, x2 =
9.975748909348088e-01 第5940次迭代 f(x_5940)=1.466130869533043e-06, x1 =
9.987893630817591e-01, x2 = 9.975779801956141e-01 第5941次迭代 f(x_5941)
=1.463769103326037e-06, x1 = 9.987922332406368e-01, x2 = 9.975788058010145e-01 第5942次
迭代 f(x_5942)=1.461419227656455e-06, x1 = 9.987913187288677e-01, x2 =
9.975818426809593e-01 第5943次迭代 f(x_5943)=1.459071240539553e-06, x1 =
9.987941487150100e-01, x2 = 9.975826847407347e-01 第5944次迭代 f(x_5944)
=1.456723194296522e-06, x1 = 9.987932498011285e-01, x2 = 9.975857714677921e-01 第5945次
迭代 f(x_5945)=1.454373973654568e-06, x1 = 9.987961257492930e-01, x2 =
9.975865869084111e-01 第5946次迭代 f(x_5946)=1.452041468659351e-06, x1 =
9.987951992771207e-01, x2 = 9.975896214518801e-01 第5947次迭代 f(x_5947)
=1.449706033052845e-06, x1 = 9.987980349344976e-01, x2 = 9.975904534174648e-01 第5948次
迭代 f(x_5948)=1.447375714170081e-06, x1 = 9.987971452398774e-01, x2 =
9.975934654673683e-01 第5949次迭代 f(x_5949)=1.445053771055685e-06, x1 =
9.987999413963559e-01, x2 = 9.975943135690023e-01 第5950次迭代 f(x_5950)
=1.442724167296538e-06, x1 = 9.987990672304102e-01, x2 = 9.975973752230562e-01 第5951次
迭代 f(x_5951)=1.440401162999939e-06, x1 = 9.988019087030207e-01, x2 =
9.975981970459900e-01 第5952次迭代 f(x_5952)=1.438088041781623e-06, x1 =
9.988010070527081e-01, x2 = 9.976012067972437e-01 第5953次迭代 f(x_5953)
=1.435778535720183e-06, x1 = 9.988038089054614e-01, x2 = 9.976020448272152e-01 第5954次
迭代 f(x_5954)=1.433466937608669e-06, x1 = 9.988029226283108e-01, x2 =
9.976051040756132e-01 第5955次迭代 f(x_5955)=1.431156244406285e-06, x1 =
9.988057700617686e-01, x2 = 9.976059157065535e-01 第5956次迭代 f(x_5956)
=1.428860244686461e-06, x1 = 9.988048563315164e-01, x2 = 9.976089232479105e-01 第5957次
迭代 f(x_5957)=1.426563056817132e-06, x1 = 9.988076640237452e-01, x2 =
9.976097511580445e-01 第5958次迭代 f(x_5958)=1.424269254991331e-06, x1 =
9.988067865535647e-01, x2 = 9.976127364977064e-01 第5959次迭代 f(x_5959)
=1.421985274215696e-06, x1 = 9.988096545888568e-01, x2 = 9.976136105701447e-01 第5960次
迭代 f(x_5960)=1.419709988311442e-06, x1 = 9.988087110979011e-01, x2 =
9.976165159832592e-01 第5961次迭代 f(x_5961)=1.417437691421160e-06, x1 =
9.988115214664343e-01, x2 = 9.976174151962880e-01 第5962次迭代 f(x_5962)
=1.415166033917602e-06, x1 = 9.988106026118605e-01, x2 = 9.976203840745702e-01 第5963次
迭代 f(x_5963)=1.412894524695974e-06, x1 = 9.988133753967031e-01, x2 =
9.976212187160642e-01 第5964次迭代 f(x_5964)=1.410618498861171e-06, x1 =
9.988125028580626e-01, x2 = 9.976242501399546e-01 第5965次迭代 f(x_5965)
=1.408345858467222e-06, x1 = 9.988153208135478e-01, x2 = 9.976250586166117e-01 第5966次
迭代 f(x_5966)=1.406085547337960e-06, x1 = 9.988144209294334e-01, x2 =
9.976280388036787e-01 第5967次迭代 f(x_5967)=1.403826130349875e-06, x1 =
9.988171997095943e-01, x2 = 9.976288633053159e-01 第5968次迭代 f(x_5968)
=1.401567790318242e-06, x1 = 9.988163148278678e-01, x2 = 9.976318925343597e-01 第5969次
迭代 f(x_5969)=1.399307115407523e-06, x1 = 9.988191390496703e-01, x2 =
9.976326907474866e-01 第5970次迭代 f(x_5970)=1.397063604649823e-06, x1 =
9.988182268526880e-01, x2 = 9.976356689336129e-01 第5971次迭代 f(x_5971)
=1.394816162604805e-06, x1 = 9.988210117723078e-01, x2 = 9.976364832464870e-01 第5972次
迭代 f(x_5972)=1.392574772268340e-06, x1 = 9.988201354372521e-01, x2 =
9.976394394759946e-01 第5973次迭代 f(x_5973)=1.390340284715023e-06, x1 =
9.988228818192670e-01, x2 = 9.976402695122456e-01 第5974次迭代 f(x_5974)
=1.388099831350025e-06, x1 = 9.988220204211471e-01, x2 = 9.976432745442104e-01 第5975次

迭代 $f(x_{5975}) = 1.385864247073034e-06$, $x_1 = 9.988248116250902e-01$, $x_2 = 9.976440786189792e-01$ 第5976次迭代 $f(x_{5976}) = 1.383639488862949e-06$, $x_1 = 9.988239229891176e-01$, $x_2 = 9.976470328809754e-01$ 第5977次迭代 $f(x_{5977}) = 1.381416868246848e-06$, $x_1 = 9.988266755279073e-01$, $x_2 = 9.976478527541786e-01$ 第5978次迭代 $f(x_{5978}) = 1.379193856339882e-06$, $x_1 = 9.988258016735703e-01$, $x_2 = 9.976508557150603e-01$ 第5979次迭代 $f(x_{5979}) = 1.376970012595715e-06$, $x_1 = 9.988285993083780e-01$, $x_2 = 9.976516495014696e-01$ 第5980次迭代 $f(x_{5980}) = 1.374761814648137e-06$, $x_1 = 9.988276982459161e-01$, $x_2 = 9.976546018848510e-01$ 第5981次迭代 $f(x_{5981}) = 1.372550945082574e-06$, $x_1 = 9.988304570856247e-01$, $x_2 = 9.976554115459126e-01$ 第5982次迭代 $f(x_{5982}) = 1.370344870374876e-06$, $x_1 = 9.988295914090467e-01$, $x_2 = 9.976583422431889e-01$ 第5983次迭代 $f(x_{5983}) = 1.368146703684415e-06$, $x_1 = 9.988323122058923e-01$, $x_2 = 9.976591674086575e-01$ 第5984次迭代 $f(x_{5984}) = 1.365941381196310e-06$, $x_1 = 9.988314612468261e-01$, $x_2 = 9.976621465668242e-01$ 第5985次迭代 $f(x_{5985}) = 1.363742146891357e-06$, $x_1 = 9.988342265323589e-01$, $x_2 = 9.976629459661966e-01$ 第5986次迭代 $f(x_{5986}) = 1.361552466310624e-06$, $x_1 = 9.988333484440032e-01$, $x_2 = 9.976658748165882e-01$ 第5987次迭代 $f(x_{5987}) = 1.359365945079667e-06$, $x_1 = 9.988360755561222e-01$, $x_2 = 9.976666897968337e-01$ 第5988次迭代 $f(x_{5988}) = 1.357177823421458e-06$, $x_1 = 9.988352120302740e-01$, $x_2 = 9.976696670058517e-01$ 第5989次迭代 $f(x_{5989}) = 1.354990108510858e-06$, $x_1 = 9.988379839082345e-01$, $x_2 = 9.976704560930655e-01$ 第5990次迭代 $f(x_{5990}) = 1.352816751798379e-06$, $x_1 = 9.988370932823013e-01$, $x_2 = 9.976733831853695e-01$ 第5991次迭代 $f(x_{5991}) = 1.350641761502336e-06$, $x_1 = 9.988398268539105e-01$, $x_2 = 9.976741879310779e-01$ 第5992次迭代 $f(x_{5992}) = 1.348470526712266e-06$, $x_1 = 9.988389711557167e-01$, $x_2 = 9.976770935985787e-01$ 第5993次迭代 $f(x_{5993}) = 1.346307996460176e-06$, $x_1 = 9.988416671613143e-01$, $x_2 = 9.976779136384389e-01$ 第5994次迭代 $f(x_{5994}) = 1.344137364389647e-06$, $x_1 = 9.988408259627777e-01$, $x_2 = 9.976808674281054e-01$ 第5995次迭代 $f(x_{5995}) = 1.341973790581144e-06$, $x_1 = 9.988435661388914e-01$, $x_2 = 9.976816618894909e-01$ 第5996次迭代 $f(x_{5996}) = 1.339818715630187e-06$, $x_1 = 9.988426979204332e-01$, $x_2 = 9.976845658290168e-01$ 第5997次迭代 $f(x_{5997}) = 1.337667613061874e-06$, $x_1 = 9.988454003970730e-01$, $x_2 = 9.976853756623846e-01$ 第5998次迭代 $f(x_{5998}) = 1.335513944914207e-06$, $x_1 = 9.988445465235292e-01$, $x_2 = 9.976883276231255e-01$ 第5999次迭代 $f(x_{5999}) = 1.333361673055296e-06$, $x_1 = 9.988472934508816e-01$, $x_2 = 9.976891117494708e-01$ 第6000次迭代 $f(x_{6000}) = 1.331222689280657e-06$, $x_1 = 9.988464125860644e-01$, $x_2 = 9.976920140497554e-01$ 第6001次迭代 $f(x_{6001}) = 1.329082901192379e-06$, $x_1 = 9.988491216781041e-01$, $x_2 = 9.976928136270636e-01$ 第6002次迭代 $f(x_{6002}) = 1.326946034158938e-06$, $x_1 = 9.988482753001654e-01$, $x_2 = 9.976956947549457e-01$ 第6003次迭代 $f(x_{6003}) = 1.324818440005717e-06$, $x_1 = 9.988510431236368e-01$, $x_2 = 9.976965386448569e-01$ 第6004次迭代 $f(x_{6004}) = 1.322698904236054e-06$, $x_1 = 9.988501325461562e-01$, $x_2 = 9.976993428658850e-01$ 第6005次迭代 $f(x_{6005}) = 1.320582145486624e-06$, $x_1 = 9.988528452073926e-01$, $x_2 = 9.977002107720251e-01$ 第6006次迭代 $f(x_{6006}) = 1.318466039642139e-06$, $x_1 = 9.988519579136226e-01$, $x_2 = 9.977030764972389e-01$ 第6007次迭代 $f(x_{6007}) = 1.316349925672181e-06$, $x_1 = 9.988546347781283e-01$, $x_2 = 9.977038818400009e-01$ 第6008次迭代 $f(x_{6008}) = 1.314229870431228e-06$, $x_1 = 9.988537916958309e-01$, $x_2 = 9.977068081808660e-01$ 第6009次迭代 $f(x_{6009}) = 1.312112621467147e-06$, $x_1 = 9.988565126664832e-01$, $x_2 = 9.977075880170397e-01$ 第6010次迭代 $f(x_{6010}) = 1.310007231686036e-06$, $x_1 = 9.988556427039860e-01$, $x_2 = 9.977104651476445e-01$ 第6011次迭代 $f(x_{6011}) = 1.307902222665682e-06$, $x_1 = 9.988583263277796e-01$, $x_2 = 9.977112602182828e-01$ 第6012次迭代 $f(x_{6012}) = 1.305798835659777e-06$, $x_1 =$

9.988574703469030e-01, x2 = 9.977141849335299e-01 第6013次迭代 f(x_6013)
=1.303692565021937e-06, x1 = 9.988601983634714e-01, x2 = 9.977149543656919e-01 第6014次
迭代 f(x_6014)=1.301602969053297e-06, x1 = 9.988593155297975e-01, x2 =
9.977178300586921e-01 第6015次迭代 f(x_6015)=1.299508953085680e-06, x1 =
9.988620060586111e-01, x2 = 9.977186148067004e-01 第6016次迭代 f(x_6016)
=1.297421381254617e-06, x1 = 9.988611574027669e-01, x2 = 9.977214695262207e-01 第6017次
迭代 f(x_6017)=1.295339366628872e-06, x1 = 9.988638111629562e-01, x2 =
9.977222692362312e-01 第6018次迭代 f(x_6018)=1.293252903277908e-06, x1 =
9.988629764290836e-01, x2 = 9.977251713074688e-01 第6019次迭代 f(x_6019)
=1.291169768490412e-06, x1 = 9.988656740095396e-01, x2 = 9.977259456818242e-01 第6020次
迭代 f(x_6020)=1.289097831139848e-06, x1 = 9.988648125055272e-01, x2 =
9.977287989902562e-01 第6021次迭代 f(x_6021)=1.287026712012141e-06, x1 =
9.988674731761091e-01, x2 = 9.977295884081194e-01 第6022次迭代 f(x_6022)
=1.284956689044722e-06, x1 = 9.988666254391528e-01, x2 = 9.977324889708211e-01 第6023次
迭代 f(x_6023)=1.282884323428854e-06, x1 = 9.988693302196560e-01, x2 =
9.977332529195386e-01 第6024次迭代 f(x_6024)=1.280827956111574e-06, x1 =
9.988684557393356e-01, x2 = 9.977361049061381e-01 第6025次迭代 f(x_6025)
=1.278767621810958e-06, x1 = 9.988711234663372e-01, x2 = 9.977368839810210e-01 第6026次
迭代 f(x_6026)=1.276713266781316e-06, x1 = 9.988702827588331e-01, x2 =
9.977397152280029e-01 第6027次迭代 f(x_6027)=1.274664716266995e-06, x1 =
9.988729141408764e-01, x2 = 9.977405090804566e-01 第6028次迭代 f(x_6028)
=1.272611413362847e-06, x1 = 9.988720871418876e-01, x2 = 9.977433873503406e-01 第6029次
迭代 f(x_6029)=1.270561753224629e-06, x1 = 9.988747620722612e-01, x2 =
9.977441560308772e-01 第6030次迭代 f(x_6030)=1.268522810971264e-06, x1 =
9.988739084135911e-01, x2 = 9.977469859811681e-01 第6031次迭代 f(x_6031)
=1.266484949847084e-06, x1 = 9.988765468550926e-01, x2 = 9.977477695220238e-01 第6032次
迭代 f(x_6032)=1.264447863182477e-06, x1 = 9.988757067501699e-01, x2 =
9.977506463991003e-01 第6033次迭代 f(x_6033)=1.262408766390787e-06, x1 =
9.988783890326713e-01, x2 = 9.977514046329523e-01 第6034次迭代 f(x_6034)
=1.260385174030631e-06, x1 = 9.988775222941887e-01, x2 = 9.97754233758561e-01 第6035次
迭代 f(x_6035)=1.258357892814599e-06, x1 = 9.988801679415305e-01, x2 =
9.977550065539258e-01 第6036次迭代 f(x_6036)=1.256336297752337e-06, x1 =
9.988793345863661e-01, x2 = 9.977578147830635e-01 第6037次迭代 f(x_6037)
=1.254320590111083e-06, x1 = 9.988819442968849e-01, x2 = 9.977586025618154e-01 第6038次
迭代 f(x_6038)=1.252300018722917e-06, x1 = 9.988811244379916e-01, x2 =
9.977614574879339e-01 第6039次迭代 f(x_6039)=1.250283207920535e-06, x1 =
9.988837774385162e-01, x2 = 9.977622202514793e-01 第6040次迭代 f(x_6040)
=1.248276807556523e-06, x1 = 9.988829310306876e-01, x2 = 9.977650272970632e-01 第6041次
迭代 f(x_6041)=1.246271586445527e-06, x1 = 9.988855479478782e-01, x2 =
9.977658047452490e-01 第6042次迭代 f(x_6042)=1.244267010850365e-06, x1 =
9.988847148816686e-01, x2 = 9.977686583930324e-01 第6043次迭代 f(x_6043)
=1.242260560800776e-06, x1 = 9.988873753845422e-01, x2 = 9.977694106893340e-01 第6044次
迭代 f(x_6044)=1.240269293807998e-06, x1 = 9.988865157948376e-01, x2 =
9.977722166407463e-01 第6045次迭代 f(x_6045)=1.238274450897027e-06, x1 =
9.988891400654960e-01, x2 = 9.977729837067953e-01 第6046次迭代 f(x_6046)
=1.236285163275682e-06, x1 = 9.988883134846230e-01, x2 = 9.977757693625374e-01 第6047次
迭代 f(x_6047)=1.234301690773221e-06, x1 = 9.988909022115631e-01, x2 =
9.977765508596748e-01 第6048次迭代 f(x_6048)=1.232313424751088e-06, x1 =
9.988900889158554e-01, x2 = 9.977793828893782e-01 第6049次迭代 f(x_6049)
=1.230328851678904e-06, x1 = 9.988927206877731e-01, x2 = 9.977801395211522e-01 第6050次

迭代 $f(x_{6050}) = 1.228354544281604e-06$, $x_1 = 9.988918809540576e-01$, $x_2 = 9.977829241053108e-01$ 第6051次迭代 $f(x_{6051}) = 1.226381358604455e-06$, $x_1 = 9.988944770332114e-01$, $x_2 = 9.977836952533105e-01$ 第6052次迭代 $f(x_{6052}) = 1.224408871615247e-06$, $x_1 = 9.988936504300938e-01$, $x_2 = 9.977865261179890e-01$ 第6053次迭代 $f(x_{6053}) = 1.222434459839357e-06$, $x_1 = 9.988962898529069e-01$, $x_2 = 9.977872722623587e-01$ 第6054次迭代 $f(x_{6054}) = 1.220475072885319e-06$, $x_1 = 9.988954368365142e-01$, $x_2 = 9.977900558644254e-01$ 第6055次迭代 $f(x_{6055}) = 1.218512066818751e-06$, $x_1 = 9.988980404151501e-01$, $x_2 = 9.977908166113061e-01$ 第6056次迭代 $f(x_{6056}) = 1.216554638564516e-06$, $x_1 = 9.988972200476313e-01$, $x_2 = 9.977935801282855e-01$ 第6057次迭代 $f(x_{6057}) = 1.214602806503184e-06$, $x_1 = 9.988997884611002e-01$, $x_2 = 9.977943551437183e-01$ 第6058次迭代 $f(x_{6058}) = 1.212646422724017e-06$, $x_1 = 9.988989811687092e-01$, $x_2 = 9.977971647145487e-01$ 第6059次迭代 $f(x_{6059}) = 1.210693489004503e-06$, $x_1 = 9.989015923951242e-01$, $x_2 = 9.977979150077456e-01$ 第6060次迭代 $f(x_{6060}) = 1.208750830078701e-06$, $x_1 = 9.989007587757321e-01$, $x_2 = 9.978006775640356e-01$ 第6061次迭代 $f(x_{6061}) = 1.206809088203734e-06$, $x_1 = 9.989033346854589e-01$, $x_2 = 9.978014422120725e-01$ 第6062次迭代 $f(x_{6062}) = 1.204868270368364e-06$, $x_1 = 9.989025139866816e-01$, $x_2 = 9.978042507301160e-01$ 第6063次迭代 $f(x_{6063}) = 1.202925301535507e-06$, $x_1 = 9.989051330110384e-01$, $x_2 = 9.978049905160630e-01$ 第6064次迭代 $f(x_{6064}) = 1.200997353693777e-06$, $x_1 = 9.989042860092615e-01$, $x_2 = 9.978077522012934e-01$ 第6065次迭代 $f(x_{6065}) = 1.199065595870689e-06$, $x_1 = 9.989068695630411e-01$, $x_2 = 9.978085064295164e-01$ 第6066次迭代 $f(x_{6066}) = 1.197139583489672e-06$, $x_1 = 9.989060548642489e-01$, $x_2 = 9.978112482329620e-01$ 第6067次迭代 $f(x_{6067}) = 1.195218809765706e-06$, $x_1 = 9.989086036173159e-01$, $x_2 = 9.978120165740318e-01$ 第6068次迭代 $f(x_{6068}) = 1.193293888354862e-06$, $x_1 = 9.989078017846148e-01$, $x_2 = 9.978148041141335e-01$ 第6069次迭代 $f(x_{6069}) = 1.191372008382343e-06$, $x_1 = 9.989103931313051e-01$, $x_2 = 9.978155478695246e-01$ 第6070次迭代 $f(x_{6070}) = 1.189460557986896e-06$, $x_1 = 9.989095650825938e-01$, $x_2 = 9.978182888221843e-01$ 第6071次迭代 $f(x_{6071}) = 1.187549680790462e-06$, $x_1 = 9.989121214746283e-01$, $x_2 = 9.978190467778348e-01$ 第6072次迭代 $f(x_{6072}) = 1.185640115889680e-06$, $x_1 = 9.989113061375194e-01$, $x_2 = 9.978218333764005e-01$ 第6073次迭代 $f(x_{6073}) = 1.183728007354304e-06$, $x_1 = 9.989139054278657e-01$, $x_2 = 9.978225666049308e-01$ 第6074次迭代 $f(x_{6074}) = 1.181831062227395e-06$, $x_1 = 9.989130638979923e-01$, $x_2 = 9.978253067966009e-01$ 第6075次迭代 $f(x_{6075}) = 1.179929976470089e-06$, $x_1 = 9.989156280773714e-01$, $x_2 = 9.978260543139513e-01$ 第6076次迭代 $f(x_{6076}) = 1.178034941162739e-06$, $x_1 = 9.989148185182221e-01$, $x_2 = 9.978287748200811e-01$ 第6077次迭代 $f(x_{6077}) = 1.176144655844208e-06$, $x_1 = 9.989173482476823e-01$, $x_2 = 9.978295363011883e-01$ 第6078次迭代 $f(x_{6078}) = 1.174250780379261e-06$, $x_1 = 9.989165513465218e-01$, $x_2 = 9.978323022296995e-01$ 第6079次迭代 $f(x_{6079}) = 1.172359380886632e-06$, $x_1 = 9.989191234627194e-01$, $x_2 = 9.978330392552531e-01$ 第6080次迭代 $f(x_{6080}) = 1.170478703747574e-06$, $x_1 = 9.989183004564308e-01$, $x_2 = 9.978357590195930e-01$ 第6081次迭代 $f(x_{6081}) = 1.168598124195694e-06$, $x_1 = 9.989208379663940e-01$, $x_2 = 9.978365100974157e-01$ 第6082次迭代 $f(x_{6082}) = 1.166719399444133e-06$, $x_1 = 9.989200274636008e-01$, $x_2 = 9.978392751947386e-01$ 第6083次迭代 $f(x_{6083}) = 1.164837580815116e-06$, $x_1 = 9.989226076679988e-01$, $x_2 = 9.978400016739771e-01$ 第6084次迭代 $f(x_{6084}) = 1.162970750947424e-06$, $x_1 = 9.989217806190642e-01$, $x_2 = 9.978426897904374e-01$ 第6085次迭代 $f(x_{6085}) = 1.161105500166817e-06$, $x_1 = 9.989242886964451e-01$, $x_2 = 9.978434490949936e-01$ 第6086次迭代 $f(x_{6086}) = 1.159234888952662e-06$, $x_1 = 9.989235023479588e-01$, $x_2 = 9.978461945481850e-01$ 第6087次迭代 $f(x_{6087}) = 1.157368569547604e-06$, $x_1 =$

9.989260524801630e-01, x2 = 9.978469295842454e-01 第6088次迭代 f(x_6088)
=1.155511254377642e-06, x1 = 9.989252401251515e-01, x2 = 9.978496292040795e-01 第6089次
迭代 f(x_6089) =1.153655571674355e-06, x1 = 9.989277560533004e-01, x2 =
9.978503781121929e-01 第6090次迭代 f(x_6090) =1.151799933461438e-06, x1 =
9.989269560687438e-01, x2 = 9.978531228004621e-01 第6091次迭代 f(x_6091)
=1.149943058075568e-06, x1 = 9.989295143605952e-01, x2 = 9.978538472963905e-01 第6092次
迭代 f(x_6092) =1.148099874872845e-06, x1 = 9.989286883915586e-01, x2 =
9.978565463296754e-01 第6093次迭代 f(x_6093) =1.146253657206892e-06, x1 =
9.989312123194652e-01, x2 = 9.978572847878532e-01 第6094次迭代 f(x_6094)
=1.144412367571238e-06, x1 = 9.989304176238559e-01, x2 = 9.978599645377811e-01 第6095次
迭代 f(x_6095) =1.142576594572100e-06, x1 = 9.989329078312003e-01, x2 =
9.978607166419016e-01 第6096次迭代 f(x_6096) =1.140736305775076e-06, x1 =
9.989321254537997e-01, x2 = 9.978634412396649e-01 第6097次迭代 f(x_6097)
=1.138899449994041e-06, x1 = 9.989346575316049e-01, x2 = 9.978641691937721e-01 第6098次
迭代 f(x_6098) =1.137072148945796e-06, x1 = 9.989338492584646e-01, x2 =
9.978668483745893e-01 第6099次迭代 f(x_6099) =1.135245758338360e-06, x1 =
9.989363474558974e-01, x2 = 9.978675900647463e-01 第6100次迭代 f(x_6100)
=1.133420243169703e-06, x1 = 9.989355513467472e-01, x2 = 9.978703140062636e-01 第6101次
迭代 f(x_6101) =1.131592645871178e-06, x1 = 9.989380917265324e-01, x2 =
9.978710314011288e-01 第6102次迭代 f(x_6102) =1.129779280695007e-06, x1 =
9.989372697428696e-01, x2 = 9.978737101029578e-01 第6103次迭代 f(x_6103)
=1.127962170392091e-06, x1 = 9.989397760801063e-01, x2 = 9.978744413251280e-01 第6104次
迭代 f(x_6104) =1.126150666655319e-06, x1 = 9.989389850748338e-01, x2 =
9.978771009205599e-01 第6105次迭代 f(x_6105) =1.124343834269855e-06, x1 =
9.989414580049834e-01, x2 = 9.978778456576474e-01 第6106次迭代 f(x_6106)
=1.122533461155201e-06, x1 = 9.989406791122741e-01, x2 = 9.978805497947526e-01 第6107次
迭代 f(x_6107) =1.120725528938861e-06, x1 = 9.989431937402140e-01, x2 =
9.978812704942547e-01 第6108次迭代 f(x_6108) =1.118927819637166e-06, x1 =
9.989423890622018e-01, x2 = 9.978839296272043e-01 第6109次迭代 f(x_6109)
=1.117130186640177e-06, x1 = 9.989448701209996e-01, x2 = 9.978846639327689e-01 第6110次
迭代 f(x_6110) =1.115334391359968e-06, x1 = 9.989440774012481e-01, x2 =
9.978873675216169e-01 第6111次迭代 f(x_6111) =1.113535534747020e-06, x1 =
9.989466004727526e-01, x2 = 9.978880776427227e-01 第6112次迭代 f(x_6112)
=1.111751118089509e-06, x1 = 9.989457913182699e-01, x2 = 9.978907060954690e-01 第6113次
迭代 f(x_6113) =1.109968058947720e-06, x1 = 9.989482441142026e-01, x2 =
9.978914481877772e-01 第6114次迭代 f(x_6114) =1.108180107750384e-06, x1 =
9.989474744928154e-01, x2 = 9.978941328296799e-01 第6115次迭代 f(x_6115)
=1.106395985273883e-06, x1 = 9.989499686842739e-01, x2 = 9.978948510561676e-01 第6116次
迭代 f(x_6116) =1.104620742286581e-06, x1 = 9.989491733764904e-01, x2 =
9.978974910160789e-01 第6117次迭代 f(x_6117) =1.102846750961311e-06, x1 =
9.989516343680879e-01, x2 = 9.978982226843913e-01 第6118次迭代 f(x_6118)
=1.101073207761037e-06, x1 = 9.989508508876549e-01, x2 = 9.979009068419807e-01 第6119次
迭代 f(x_6119) =1.099298030113122e-06, x1 = 9.989533535908636e-01, x2 =
9.979016144969483e-01 第6120次迭代 f(x_6120) =1.097536366925315e-06, x1 =
9.989525444439572e-01, x2 = 9.979042541477451e-01 第6121次迭代 f(x_6121)
=1.095771343218132e-06, x1 = 9.989550137817905e-01, x2 = 9.979049753373119e-01 第6122次
迭代 f(x_6122) =1.094011512795696e-06, x1 = 9.989542349840442e-01, x2 =
9.979075962486657e-01 第6123次迭代 f(x_6123) =1.092256442139093e-06, x1 =
9.989566715759298e-01, x2 = 9.979083306683857e-01 第6124次迭代 f(x_6124)
=1.090497699113985e-06, x1 = 9.989559045553226e-01, x2 = 9.979109955613107e-01 第6125次

迭代 $f(x_{6125}) = 1.088741542667676e-06$, $x_1 = 9.989583823912009e-01$, $x_2 = 9.979117062166976e-01$ 第6126次迭代 $f(x_{6126}) = 1.086995154224086e-06$, $x_1 = 9.989575897941184e-01$, $x_2 = 9.979143268339269e-01$ 第6127次迭代 $f(x_{6127}) = 1.085248973089948e-06$, $x_1 = 9.989600347187263e-01$, $x_2 = 9.979150508120971e-01$ 第6128次迭代 $f(x_{6128}) = 1.083504448573197e-06$, $x_1 = 9.989592537446220e-01$, $x_2 = 9.979177153273987e-01$ 第6129次迭代 $f(x_{6129}) = 1.081757058742627e-06$, $x_1 = 9.989617402323491e-01$, $x_2 = 9.979184153921099e-01$ 第6130次迭代 $f(x_{6130}) = 1.080023629764507e-06$, $x_1 = 9.989609428947437e-01$, $x_2 = 9.979210059348816e-01$ 第6131次迭代 $f(x_{6131}) = 1.078291555390513e-06$, $x_1 = 9.989633602903132e-01$, $x_2 = 9.979217374242985e-01$ 第6132次迭代 $f(x_{6132}) = 1.076554707803539e-06$, $x_1 = 9.989626017524844e-01$, $x_2 = 9.979243834304518e-01$ 第6133次迭代 $f(x_{6133}) = 1.074821578666792e-06$, $x_1 = 9.989650601082247e-01$, $x_2 = 9.979250913177840e-01$ 第6134次迭代 $f(x_{6134}) = 1.073097098368076e-06$, $x_1 = 9.989642760928126e-01$, $x_2 = 9.979276933650518e-01$ 第6135次迭代 $f(x_{6135}) = 1.071373785631989e-06$, $x_1 = 9.989667018864195e-01$, $x_2 = 9.979284144207043e-01$ 第6136次迭代 $f(x_{6136}) = 1.069650991712492e-06$, $x_1 = 9.989659293642736e-01$, $x_2 = 9.979310601118895e-01$ 第6137次迭代 $f(x_{6137}) = 1.067926502069116e-06$, $x_1 = 9.989683964383461e-01$, $x_2 = 9.979317574156817e-01$ 第6138次迭代 $f(x_{6138}) = 1.066215256336196e-06$, $x_1 = 9.989675984571740e-01$, $x_2 = 9.979343593211908e-01$ 第6139次迭代 $f(x_{6139}) = 1.064500606828854e-06$, $x_1 = 9.989700328003916e-01$, $x_2 = 9.979350698875336e-01$ 第6140次迭代 $f(x_{6140}) = 1.062791157950005e-06$, $x_1 = 9.989692645806992e-01$, $x_2 = 9.979376533990245e-01$ 第6141次迭代 $f(x_{6141}) = 1.061086155226414e-06$, $x_1 = 9.989716667974459e-01$, $x_2 = 9.979383769309200e-01$ 第6142次迭代 $f(x_{6142}) = 1.059377819299109e-06$, $x_1 = 9.989709100219376e-01$, $x_2 = 9.979410038731334e-01$ 第6143次迭代 $f(x_{6143}) = 1.057671734425652e-06$, $x_1 = 9.989733530676314e-01$, $x_2 = 9.979417038939109e-01$ 第6144次迭代 $f(x_{6144}) = 1.055975385835040e-06$, $x_1 = 9.989725709237018e-01$, $x_2 = 9.979442872772589e-01$ 第6145次迭代 $f(x_{6145}) = 1.054278970947671e-06$, $x_1 = 9.989749816744582e-01$, $x_2 = 9.979450003576438e-01$ 第6146次迭代 $f(x_{6146}) = 1.052584465048167e-06$, $x_1 = 9.989742288738457e-01$, $x_2 = 9.979475655729687e-01$ 第6147次迭代 $f(x_{6147}) = 1.050897499190857e-06$, $x_1 = 9.989766932557781e-01$, $x_2 = 9.979483174550244e-01$ 第6148次迭代 $f(x_{6148}) = 1.049216888684063e-06$, $x_1 = 9.989758819886640e-01$, $x_2 = 9.979508148272083e-01$ 第6149次迭代 $f(x_{6149}) = 1.047538400346273e-06$, $x_1 = 9.989782985746527e-01$, $x_2 = 9.979515874309598e-01$ 第6150次迭代 $f(x_{6150}) = 1.045860666940707e-06$, $x_1 = 9.989775067014273e-01$, $x_2 = 9.979541402466190e-01$ 第6151次迭代 $f(x_{6151}) = 1.044182434471555e-06$, $x_1 = 9.989798927037000e-01$, $x_2 = 9.979548564882007e-01$ 第6152次迭代 $f(x_{6152}) = 1.042501896792322e-06$, $x_1 = 9.989791388726755e-01$, $x_2 = 9.979574639515264e-01$ 第6153次迭代 $f(x_{6153}) = 1.040822564581690e-06$, $x_1 = 9.989815655424606e-01$, $x_2 = 9.979581567877992e-01$ 第6154次迭代 $f(x_{6154}) = 1.039153695478574e-06$, $x_1 = 9.989807864542173e-01$, $x_2 = 9.979607210868732e-01$ 第6155次迭代 $f(x_{6155}) = 1.037483882846805e-06$, $x_1 = 9.989831811151861e-01$, $x_2 = 9.979614268643486e-01$ 第6156次迭代 $f(x_{6156}) = 1.035816821854031e-06$, $x_1 = 9.989824311090418e-01$, $x_2 = 9.979639731541828e-01$ 第6157次迭代 $f(x_{6157}) = 1.034156343761749e-06$, $x_1 = 9.989847943493363e-01$, $x_2 = 9.979646915839182e-01$ 第6158次迭代 $f(x_{6158}) = 1.032490002440027e-06$, $x_1 = 9.989840555448599e-01$, $x_2 = 9.979672807975948e-01$ 第6159次迭代 $f(x_{6159}) = 1.030828512937999e-06$, $x_1 = 9.989864590175389e-01$, $x_2 = 9.979679760543767e-01$ 第6160次迭代 $f(x_{6160}) = 1.029174239943322e-06$, $x_1 = 9.989856950469511e-01$, $x_2 = 9.979705223268736e-01$ 第6161次迭代 $f(x_{6161}) = 1.027522108314292e-06$, $x_1 = 9.989880669288750e-01$, $x_2 = 9.979712303306492e-01$ 第6162次迭代 $f(x_{6162}) = 1.025869313244046e-06$, $x_1 =$

9.989873140064083e-01, x2 = 9.979738194475205e-01 第6163次迭代 f(x_6163)
=1.024216049841602e-06, x1 = 9.989897264458563e-01, x2 = 9.979745041259366e-01 第6164次
迭代 f(x_6164)=1.022574520214824e-06, x1 = 9.989889483739812e-01, x2 =
9.979770504719758e-01 第6165次迭代 f(x_6165)=1.020930639310373e-06, x1 =
9.989913290502244e-01, x2 = 9.979777479932704e-01 第6166次迭代 f(x_6166)
=1.019290874247298e-06, x1 = 9.989905798391702e-01, x2 = 9.979802764687168e-01 第6167次
迭代 f(x_6167)=1.017656193666123e-06, x1 = 9.989929293341792e-01, x2 =
9.979809865469935e-01 第6168次迭代 f(x_6168)=1.016017390155537e-06, x1 =
9.989921911234751e-01, x2 = 9.979835576578936e-01 第6169次迭代 f(x_6169)
=1.014381664015552e-06, x1 = 9.989945807480891e-01, x2 = 9.979842446394426e-01 第6170次
迭代 f(x_6170)=1.012754513186641e-06, x1 = 9.989938174792322e-01, x2 =
9.979867732003490e-01 第6171次迭代 f(x_6171)=1.011128011464378e-06, x1 =
9.989961757504935e-01, x2 = 9.979874728345525e-01 第6172次迭代 f(x_6172)
=1.009502579670192e-06, x1 = 9.989954233281968e-01, x2 = 9.979900439528203e-01 第6173次
迭代 f(x_6173)=1.007874911995808e-06, x1 = 9.989978220573020e-01, x2 =
9.979907203362622e-01 第6174次迭代 f(x_6174)=1.006259951660221e-06, x1 =
9.989970534551880e-01, x2 = 9.979932202479881e-01 第6175次迭代 f(x_6175)
=1.004646477383279e-06, x1 = 9.989993859159283e-01, x2 = 9.979939267520448e-01 第6176次
迭代 f(x_6176)=1.003028327089408e-06, x1 = 9.989986543824112e-01, x2 =
9.979964803892591e-01 第6177次迭代 f(x_6177)=1.001413826153968e-06, x1 =
9.990010267317883e-01, x2 = 9.979971639367066e-01 第6178次迭代 f(x_6178)
=9.998072726507617e-07, x1 = 9.990002702383304e-01, x2 = 9.979996753283017e-01 第6179次
迭代 f(x_6179)=9.982018576473480e-07, x1 = 9.990026115376328e-01, x2 =
9.980003713961617e-01 第6180次迭代 f(x_6180)=9.965969261605909e-07, x1 =
9.990018657634653e-01, x2 = 9.980029251008572e-01 第6181次迭代 f(x_6181)
=9.949903647761005e-07, x1 = 9.990042472808288e-01, x2 = 9.980035980574187e-01 第6182次
迭代 f(x_6182)=9.933962350499147e-07, x1 = 9.990034765619246e-01, x2 =
9.980061096850137e-01 第6183次迭代 f(x_6183)=9.917987851430309e-07, x1 =
9.990058268538123e-01, x2 = 9.980067952592055e-01 第6184次迭代 f(x_6184)
=9.902063688276512e-07, x1 = 9.990050845022845e-01, x2 = 9.980092893127192e-01 第6185次
迭代 f(x_6185)=9.886178543454087e-07, x1 = 9.990074041378475e-01, x2 =
9.980099872249840e-01 第6186次迭代 f(x_6186)=9.870265742887585e-07, x1 =
9.990066724587895e-01, x2 = 9.980125233855568e-01 第6187次迭代 f(x_6187)
=9.854369950523828e-07, x1 = 9.990090318987009e-01, x2 = 9.980131984078395e-01 第6188次
迭代 f(x_6188)=9.838568767334188e-07, x1 = 9.990082753663834e-01, x2 =
9.980156927081963e-01 第6189次迭代 f(x_6189)=9.822762579355852e-07, x1 =
9.990106039749473e-01, x2 = 9.980163801655343e-01 第6190次迭代 f(x_6190)
=9.806978896149873e-07, x1 = 9.990098754326636e-01, x2 = 9.980188570968030e-01 第6191次
迭代 f(x_6191)=9.791260594986706e-07, x1 = 9.990121737707367e-01, x2 =
9.980195567137606e-01 第6192次迭代 f(x_6192)=9.775483633350665e-07, x1 =
9.990114558540705e-01, x2 = 9.980220755471700e-01 第6193次迭代 f(x_6193)
=9.759755467752156e-07, x1 = 9.990137935904585e-01, x2 = 9.980227524915539e-01 第6194次
迭代 f(x_6194)=9.744093520691456e-07, x1 = 9.990130509121512e-01, x2 =
9.980252296802934e-01 第6195次迭代 f(x_6195)=9.728453486847658e-07, x1 =
9.990153582034157e-01, x2 = 9.980259188810382e-01 第6196次迭代 f(x_6196)
=9.712805689362170e-07, x1 = 9.990146259974392e-01, x2 = 9.980284378965425e-01 第6197次
迭代 f(x_6197)=9.697154608074845e-07, x1 = 9.990169730185749e-01, x2 =
9.980291042688340e-01 第6198次迭代 f(x_6198)=9.681613991951074e-07, x1 =
9.990162160650786e-01, x2 = 9.980315818064682e-01 第6199次迭代 f(x_6199)
=9.666051300156440e-07, x1 = 9.990185324640795e-01, x2 = 9.980322605330187e-01 第6200次

迭代 $f(x_{6200}) = 9.650527702622012e-07$, $x_1 = 9.990178033147206e-01$, $x_2 = 9.980347208217658e-01$ 第6201次迭代 $f(x_{6201}) = 9.635051706463478e-07$, $x_1 = 9.990200896470995e-01$, $x_2 = 9.980354116297736e-01$ 第6202次迭代 $f(x_{6202}) = 9.619537732680698e-07$, $x_1 = 9.990193709238092e-01$, $x_2 = 9.980379135419060e-01$ 第6203次迭代 $f(x_{6203}) = 9.604051455002431e-07$, $x_1 = 9.990216965865457e-01$, $x_2 = 9.980385817354925e-01$ 第6204次迭代 $f(x_{6204}) = 9.588647961817525e-07$, $x_1 = 9.990209532073631e-01$, $x_2 = 9.980410423831956e-01$ 第6205次迭代 $f(x_{6205}) = 9.573248632278642e-07$, $x_1 = 9.990232486268800e-01$, $x_2 = 9.980417227558851e-01$ 第6206次迭代 $f(x_{6206}) = 9.557862188431563e-07$, $x_1 = 9.990225155201542e-01$, $x_2 = 9.980442249529800e-01$ 第6207次迭代 $f(x_{6207}) = 9.542451393166227e-07$, $x_1 = 9.990248506047509e-01$, $x_2 = 9.980448825537099e-01$ 第6208次迭代 $f(x_{6208}) = 9.527163699320785e-07$, $x_1 = 9.990241014930936e-01$, $x_2 = 9.980473155973859e-01$ 第6209次迭代 $f(x_{6209}) = 9.511886971954681e-07$, $x_1 = 9.990263723245471e-01$, $x_2 = 9.980480023918749e-01$ 第6210次迭代 $f(x_{6210}) = 9.496570287300491e-07$, $x_1 = 9.990256590127906e-01$, $x_2 = 9.980504878452919e-01$ 第6211次迭代 $f(x_{6211}) = 9.481283387255080e-07$, $x_1 = 9.990279689643037e-01$, $x_2 = 9.980511521496173e-01$ 第6212次迭代 $f(x_{6212}) = 9.466076188213119e-07$, $x_1 = 9.990272310937326e-01$, $x_2 = 9.980535966339795e-01$ 第6213次迭代 $f(x_{6213}) = 9.450874989850736e-07$, $x_1 = 9.990295110733529e-01$, $x_2 = 9.980542730006107e-01$ 第6214次迭代 $f(x_{6214}) = 9.435684394953827e-07$, $x_1 = 9.990287833494441e-01$, $x_2 = 9.980567587976902e-01$ 第6215次迭代 $f(x_{6215}) = 9.420471845654349e-07$, $x_1 = 9.990311027850625e-01$, $x_2 = 9.980574125159503e-01$ 第6216次迭代 $f(x_{6216}) = 9.405379251368915e-07$, $x_1 = 9.990303590902522e-01$, $x_2 = 9.980598296377602e-01$ 第6217次迭代 $f(x_{6217}) = 9.390298883886437e-07$, $x_1 = 9.990326147731856e-01$, $x_2 = 9.980605123182543e-01$ 第6218次迭代 $f(x_{6218}) = 9.375177386104323e-07$, $x_1 = 9.990319065824793e-01$, $x_2 = 9.980629815465890e-01$ 第6219次迭代 $f(x_{6219}) = 9.360086936437157e-07$, $x_1 = 9.990342011822576e-01$, $x_2 = 9.980636418575140e-01$ 第6220次迭代 $f(x_{6220}) = 9.345073830359532e-07$, $x_1 = 9.990334685295095e-01$, $x_2 = 9.980660704101075e-01$ 第6221次迭代 $f(x_{6221}) = 9.330067867223250e-07$, $x_1 = 9.990357334214198e-01$, $x_2 = 9.980667426700695e-01$ 第6222次迭代 $f(x_{6222}) = 9.315071039578481e-07$, $x_1 = 9.990350107898449e-01$, $x_2 = 9.980692123004784e-01$ 第6223次迭代 $f(x_{6223}) = 9.300053821765414e-07$, $x_1 = 9.990373149357632e-01$, $x_2 = 9.980698620319908e-01$ 第6224次迭代 $f(x_{6224}) = 9.285154081793590e-07$, $x_1 = 9.990365763703190e-01$, $x_2 = 9.980722634605935e-01$ 第6225次迭代 $f(x_{6225}) = 9.270267214554293e-07$, $x_1 = 9.990388172498080e-01$, $x_2 = 9.980729419297930e-01$ 第6226次迭代 $f(x_{6226}) = 9.255338814398932e-07$, $x_1 = 9.990381138966453e-01$, $x_2 = 9.980753951626177e-01$ 第6227次迭代 $f(x_{6227}) = 9.240441937869026e-07$, $x_1 = 9.990403934967109e-01$, $x_2 = 9.980760513792484e-01$ 第6228次迭代 $f(x_{6228}) = 9.225620741606417e-07$, $x_1 = 9.990396657779465e-01$, $x_2 = 9.980784642276133e-01$ 第6229次迭代 $f(x_{6229}) = 9.210807166794369e-07$, $x_1 = 9.990419159270483e-01$, $x_2 = 9.980791322834502e-01$ 第6230次迭代 $f(x_{6230}) = 9.196002037510258e-07$, $x_1 = 9.990411981042578e-01$, $x_2 = 9.980815859764971e-01$ 第6231次迭代 $f(x_{6231}) = 9.181177286493298e-07$, $x_1 = 9.990434873123333e-01$, $x_2 = 9.980822316202079e-01$ 第6232次迭代 $f(x_{6232}) = 9.166468176228533e-07$, $x_1 = 9.990427535956006e-01$, $x_2 = 9.980846175802998e-01$ 第6233次迭代 $f(x_{6233}) = 9.151771997608630e-07$, $x_1 = 9.990449800096328e-01$, $x_2 = 9.980852917439633e-01$ 第6234次迭代 $f(x_{6234}) = 9.137034619404561e-07$, $x_1 = 9.990442812172426e-01$, $x_2 = 9.980877292069146e-01$ 第6235次迭代 $f(x_{6235}) = 9.122328487493787e-07$, $x_1 = 9.990465461623984e-01$, $x_2 = 9.980883812314822e-01$ 第6236次迭代 $f(x_{6236}) = 9.107697036231207e-07$, $x_1 = 9.990458231004857e-01$, $x_2 = 9.980907785992510e-01$ 第6237次迭代 $f(x_{6237}) = 9.093073050630610e-07$, $x_1 =$

9.990480588446377e-01, x2 = 9.980914423565450e-01 第6238次迭代 f(x_6238)
=9.078457564206569e-07, x1 = 9.990473455537728e-01, x2 = 9.980938803376262e-01 第6239次
迭代 f(x_6239) =9.063822463793398e-07, x1 = 9.990496201686899e-01, x2 =
9.980945217955850e-01 第6240次迭代 f(x_6240) =9.049301779420896e-07, x1 =
9.990488910266021e-01, x2 = 9.980968925080227e-01 第6241次迭代 f(x_6241)
=9.034793524600080e-07, x1 = 9.990511033063124e-01, x2 = 9.980975622748530e-01 第6242次
迭代 f(x_6242) =9.020245106762785e-07, x1 = 9.990504088044243e-01, x2 =
9.980999841897531e-01 第6243次迭代 f(x_6243) =9.005726938430129e-07, x1 =
9.990526594324930e-01, x2 = 9.981006319274972e-01 第6244次迭代 f(x_6244)
=8.991283085949053e-07, x1 = 9.990519407567756e-01, x2 = 9.981030140345147e-01 第6245次
迭代 f(x_6245) =8.976845937033779e-07, x1 = 9.990541624270247e-01, x2 =
9.981036734017729e-01 第6246次迭代 f(x_6246) =8.962418051857691e-07, x1 =
9.990534533976878e-01, x2 = 9.981060958924926e-01 第6247次迭代 f(x_6247)
=8.947969833115081e-07, x1 = 9.990557137571923e-01, x2 = 9.981067330697382e-01 第6248次
迭代 f(x_6248) =8.933635391760918e-07, x1 = 9.990549889220444e-01, x2 =
9.981090887516555e-01 第6249次迭代 f(x_6249) =8.919312341560435e-07, x1 =
9.990571873919393e-01, x2 = 9.981097540331900e-01 第6250次迭代 f(x_6250)
=8.904950837078159e-07, x1 = 9.990564969165591e-01, x2 = 9.981121606181622e-01 第6251次
迭代 f(x_6251) =8.890617897560742e-07, x1 = 9.990587335586127e-01, x2 =
9.981128039772191e-01 第6252次迭代 f(x_6252) =8.876359516498557e-07, x1 =
9.990580190046846e-01, x2 = 9.981151710396583e-01 第6253次迭代 f(x_6253)
=8.862106497170246e-07, x1 = 9.990602269254920e-01, x2 = 9.981158259282027e-01 第6254次
迭代 f(x_6254) =8.847864186011136e-07, x1 = 9.990595218935203e-01, x2 =
9.981182331464883e-01 第6255次迭代 f(x_6255) =8.833600126073261e-07, x1 =
9.990617683286497e-01, x2 = 9.981188659509366e-01 第6256次迭代 f(x_6256)
=8.819449765920683e-07, x1 = 9.990610475388764e-01, x2 = 9.981212068158589e-01 第6257次
迭代 f(x_6257) =8.805309245674173e-07, x1 = 9.990632325170535e-01, x2 =
9.981218675263636e-01 第6258次迭代 f(x_6258) =8.791132622543443e-07, x1 =
9.990625458102452e-01, x2 = 9.981242589959455e-01 第6259次迭代 f(x_6259)
=8.77698222200077e-07, x1 = 9.990647687908281e-01, x2 = 9.981248978872405e-01 第6260次
迭代 f(x_6260) =8.762907204255358e-07, x1 = 9.990640581003176e-01, x2 =
9.981272501177142e-01 第6261次迭代 f(x_6261) =8.748835651726572e-07, x1 =
9.990662525897746e-01, x2 = 9.981279004415773e-01 第6262次迭代 f(x_6262)
=8.734776902174445e-07, x1 = 9.990655512970247e-01, x2 = 9.981302926017918e-01 第6263次
迭代 f(x_6263) =8.720694323089906e-07, x1 = 9.990677841323299e-01, x2 =
9.981309209441285e-01 第6264次迭代 f(x_6264) =8.706725903475467e-07, x1 =
9.990670671322920e-01, x2 = 9.981332472020832e-01 第6265次迭代 f(x_6265)
=8.692765281951738e-07, x1 = 9.990692389306521e-01, x2 = 9.981339032584494e-01 第6266次
迭代 f(x_6266) =8.678771523589520e-07, x1 = 9.990685557403257e-01, x2 =
9.981362798237020e-01 第6267次迭代 f(x_6267) =8.664801016794679e-07, x1 =
9.990707653776704e-01, x2 = 9.981369141608434e-01 第6268次迭代 f(x_6268)
=8.650907272928563e-07, x1 = 9.990700582980286e-01, x2 = 9.981392517685137e-01 第6269次
迭代 f(x_6269) =8.637014567636482e-07, x1 = 9.990722396680681e-01, x2 =
9.981398974443357e-01 第6270次迭代 f(x_6270) =8.623136923248197e-07, x1 =
9.990715582046719e-01, x2 = 9.981422190812153e-01 第6271次迭代 f(x_6271)
=8.609320574083466e-07, x1 = 9.990737118099695e-01, x2 = 9.981428758491233e-01 第6272次
迭代 f(x_6272) =8.595449041296546e-07, x1 = 9.990730397291830e-01, x2 =
9.981452370661064e-01 第6273次迭代 f(x_6273) =8.581623389621273e-07, x1 =
9.990752308299964e-01, x2 = 9.981458723000184e-01 第6274次迭代 f(x_6274)
=8.567854106764281e-07, x1 = 9.990745349510299e-01, x2 = 9.981481947588711e-01 第6275次

迭代 $f(x_{6275}) = 8.554105072629265e-07$, $x_1 = 9.990766981046855e-01$, $x_2 = 9.981488411848995e-01$ 第6276次迭代 $f(x_{6276}) = 8.540348931021396e-07$, $x_1 = 9.990760114556962e-01$, $x_2 = 9.981512031576401e-01$ 第6277次迭代 $f(x_{6277}) = 8.526589465981733e-07$, $x_1 = 9.990782124485984e-01$, $x_2 = 9.981518278871090e-01$ 第6278次迭代 $f(x_{6278}) = 8.512928226046793e-07$, $x_1 = 9.990775020094819e-01$, $x_2 = 9.981541512606819e-01$ 第6279次迭代 $f(x_{6279}) = 8.499245652433731e-07$, $x_1 = 9.990796748704039e-01$, $x_2 = 9.981547872834702e-01$ 第6280次迭代 $f(x_{6280}) = 8.485599956360489e-07$, $x_1 = 9.990789899333522e-01$, $x_2 = 9.981570947688996e-01$ 第6281次迭代 $f(x_{6281}) = 8.47199284333245e-07$, $x_1 = 9.990811351611635e-01$, $x_2 = 9.981577418402242e-01$ 第6282次迭代 $f(x_{6282}) = 8.458357021136943e-07$, $x_1 = 9.990804594101973e-01$, $x_2 = 9.981600886491230e-01$ 第6283次迭代 $f(x_{6283}) = 8.444740049947010e-07$, $x_1 = 9.990826421389463e-01$, $x_2 = 9.981607142064282e-01$ 第6284次迭代 $f(x_{6284}) = 8.431201314772799e-07$, $x_1 = 9.990819426887486e-01$, $x_2 = 9.981630226137621e-01$ 第6285次迭代 $f(x_{6285}) = 8.417660073251409e-07$, $x_1 = 9.990840976000979e-01$, $x_2 = 9.981636593204970e-01$ 第6286次迭代 $f(x_{6286}) = 8.404137086502314e-07$, $x_1 = 9.990834233522774e-01$, $x_2 = 9.981659520046364e-01$ 第6287次迭代 $f(x_{6287}) = 8.390670174779785e-07$, $x_1 = 9.990855509386047e-01$, $x_2 = 9.981665996192404e-01$ 第6288次迭代 $f(x_{6288}) = 8.377153938968865e-07$, $x_1 = 9.990848858328910e-01$, $x_2 = 9.981689314374983e-01$ 第6289次迭代 $f(x_{6289}) = 8.363677719244104e-07$, $x_1 = 9.990870505878798e-01$, $x_2 = 9.981695577175427e-01$ 第6290次迭代 $f(x_{6290}) = 8.350260623543390e-07$, $x_1 = 9.990863618737298e-01$, $x_2 = 9.981718513307160e-01$ 第6291次迭代 $f(x_{6291}) = 8.336858998013547e-07$, $x_1 = 9.990884991199437e-01$, $x_2 = 9.981724886192125e-01$ 第6292次迭代 $f(x_{6292}) = 8.323455610511384e-07$, $x_1 = 9.990878193953052e-01$, $x_2 = 9.981748213020945e-01$ 第6293次迭代 $f(x_{6293}) = 8.310043558343790e-07$, $x_1 = 9.990899941562807e-01$, $x_2 = 9.981754370921688e-01$ 第6294次迭代 $f(x_{6294}) = 8.296732051447781e-07$, $x_1 = 9.990892908299945e-01$, $x_2 = 9.981777317274700e-01$ 第6295次迭代 $f(x_{6295}) = 8.283394870304642e-07$, $x_1 = 9.990914378960271e-01$, $x_2 = 9.981783586277568e-01$ 第6296次迭代 $f(x_{6296}) = 8.270098546523696e-07$, $x_1 = 9.990907596704071e-01$, $x_2 = 9.981806376159501e-01$ 第6297次迭代 $f(x_{6297}) = 8.256834849597288e-07$, $x_1 = 9.990928795304621e-01$, $x_2 = 9.981812753865597e-01$ 第6298次迭代 $f(x_{6298}) = 8.243549168964823e-07$, $x_1 = 9.990922102508195e-01$, $x_2 = 9.981835932565855e-01$ 第6299次迭代 $f(x_{6299}) = 8.230275586628355e-07$, $x_1 = 9.990943672982920e-01$, $x_2 = 9.981842097056595e-01$ 第6300次迭代 $f(x_{6300}) = 8.217083796719455e-07$, $x_1 = 9.990936745075201e-01$, $x_2 = 9.981864897227796e-01$ 第6301次迭代 $f(x_{6301}) = 8.203883970723260e-07$, $x_1 = 9.990958041633942e-01$, $x_2 = 9.981871171436210e-01$ 第6302次迭代 $f(x_{6302}) = 8.190707548848563e-07$, $x_1 = 9.990951361845547e-01$, $x_2 = 9.981893816729116e-01$ 第6303次迭代 $f(x_{6303}) = 8.177580121804360e-07$, $x_1 = 9.990972389315559e-01$, $x_2 = 9.981900198287278e-01$ 第6304次迭代 $f(x_{6304}) = 8.164411413398232e-07$, $x_1 = 9.990965798550661e-01$, $x_2 = 9.981923230530320e-01$ 第6305次迭代 $f(x_{6305}) = 8.151274620928519e-07$, $x_1 = 9.990987194679463e-01$, $x_2 = 9.981929400612336e-01$ 第6306次迭代 $f(x_{6306}) = 8.138201689880208e-07$, $x_1 = 9.990980369707143e-01$, $x_2 = 9.981952056262151e-01$ 第6307次迭代 $f(x_{6307}) = 8.125137563893321e-07$, $x_1 = 9.991001494896503e-01$, $x_2 = 9.981958334705193e-01$ 第6308次迭代 $f(x_{6308}) = 8.112079235750234e-07$, $x_1 = 9.990994757421617e-01$, $x_2 = 9.981981376679113e-01$ 第6309次迭代 $f(x_{6309}) = 8.099004634716411e-07$, $x_1 = 9.991016254755047e-01$, $x_2 = 9.981987441994117e-01$ 第6310次迭代 $f(x_{6310}) = 8.086031758914913e-07$, $x_1 = 9.991009362599659e-01$, $x_2 = 9.982009850547546e-01$ 第6311次迭代 $f(x_{6311}) = 8.073069759921011e-07$, $x_1 = 9.991030275624243e-01$, $x_2 = 9.982016180985530e-01$ 第6312次迭代 $f(x_{6312}) = 8.060072798826625e-07$, $x_1 =$

9.991023706037038e-01, x2 = 9.982039075961076e-01 第6313次迭代 f(x_6313)
=8.047101350048009e-07, x1 = 9.991044986439847e-01, x2 = 9.982045195739374e-01 第6314次
迭代 f(x_6314) =8.034198181595627e-07, x1 = 9.991038183561241e-01, x2 =
9.982067716831141e-01 第6315次迭代 f(x_6315) =8.021298495248759e-07, x1 =
9.991059194914427e-01, x2 = 9.982073944199136e-01 第6316次迭代 f(x_6316)
=8.008410635297043e-07, x1 = 9.991052635605656e-01, x2 = 9.982096313033654e-01 第6317次
迭代 f(x_6317) =7.995581225031025e-07, x1 = 9.991074126779256e-01, x2 =
9.982102872812209e-01 第6318次迭代 f(x_6318) =7.982800101345127e-07, x1 =
9.991067045788674e-01, x2 = 9.982124655813498e-01 第6319次迭代 f(x_6319)
=7.970034276957007e-07, x1 = 9.991088132098954e-01, x2 = 9.982131390308620e-01 第6320次
迭代 f(x_6320) =7.957276415950746e-07, x1 = 9.991081208062637e-01, x2 =
9.982153662966018e-01 第6321次迭代 f(x_6321) =7.944510376674007e-07, x1 =
9.991102039401604e-01, x2 = 9.982159900016613e-01 第6322次迭代 f(x_6322)
=7.931733926489150e-07, x1 = 9.991095435064842e-01, x2 = 9.982182655348147e-01 第6323次
迭代 f(x_6323) =7.918957926163713e-07, x1 = 9.991116633791569e-01, x2 =
9.982188681953527e-01 第6324次迭代 f(x_6324) =7.906270465728324e-07, x1 =
9.991109797145451e-01, x2 = 9.982211066835365e-01 第6325次迭代 f(x_6325)
=7.893565396433069e-07, x1 = 9.991130728066494e-01, x2 = 9.982217200623019e-01 第6326次
迭代 f(x_6326) =7.880892719938848e-07, x1 = 9.991124133948597e-01, x2 =
9.982239434014202e-01 第6327次迭代 f(x_6327) =7.868257284171083e-07, x1 =
9.991144801753088e-01, x2 = 9.982245672684414e-01 第6328次迭代 f(x_6328)
=7.855593965152595e-07, x1 = 9.991138293126961e-01, x2 = 9.982268286546181e-01 第6329次
迭代 f(x_6329) =7.842949046194910e-07, x1 = 9.991159325258681e-01, x2 =
9.982274316430451e-01 第6330次迭代 f(x_6330) =7.830376374529118e-07, x1 =
9.991152585219841e-01, x2 = 9.982296561736225e-01 第6331次迭代 f(x_6331)
=7.817801361012047e-07, x1 = 9.991173352365909e-01, x2 = 9.982302697521834e-01 第6332次
迭代 f(x_6332) =7.805243619186288e-07, x1 = 9.991166852176124e-01, x2 =
9.982324792822094e-01 第6333次迭代 f(x_6333) =7.792737240081015e-07, x1 =
9.991187358967988e-01, x2 = 9.982331032237944e-01 第6334次迭代 f(x_6334)
=7.780186312649042e-07, x1 = 9.991180943837313e-01, x2 = 9.982353506188593e-01 第6335次
迭代 f(x_6335) =7.767670909498525e-07, x1 = 9.991201811949618e-01, x2 =
9.982359538450288e-01 第6336次迭代 f(x_6336) =7.755212179891865e-07, x1 =
9.991195166301070e-01, x2 = 9.982381645728250e-01 第6337次迭代 f(x_6337)
=7.742765678739210e-07, x1 = 9.991215772195714e-01, x2 = 9.982387782635735e-01 第6338次
迭代 f(x_6338) =7.730320477233164e-07, x1 = 9.991209210084704e-01, x2 =
9.982410267968941e-01 第6339次迭代 f(x_6339) =7.717863867675437e-07, x1 =
9.991230180810968e-01, x2 = 9.982416196055340e-01 第6340次迭代 f(x_6340)
=7.705503890515522e-07, x1 = 9.991223388215844e-01, x2 = 9.982438316249359e-01 第6341次
迭代 f(x_6341) =7.693116462761482e-07, x1 = 9.991244094836664e-01, x2 =
9.982444350008970e-01 第6342次迭代 f(x_6342) =7.680770828250378e-07, x1 =
9.991237541406897e-01, x2 = 9.982466320782506e-01 第6343次迭代 f(x_6343)
=7.668451320564411e-07, x1 = 9.991257988527090e-01, x2 = 9.982472457957207e-01 第6344次
迭代 f(x_6344) =7.656116710099762e-07, x1 = 9.991251518206135e-01, x2 =
9.982494804980174e-01 第6345次迭代 f(x_6345) =7.643787546972953e-07, x1 =
9.991272327194438e-01, x2 = 9.982500734942904e-01 第6346次迭代 f(x_6346)
=7.631539686164280e-07, x1 = 9.991265627280481e-01, x2 = 9.982522718693129e-01 第6347次
迭代 f(x_6347) =7.619278718568837e-07, x1 = 9.991286174886098e-01, x2 =
9.982528753095101e-01 第6348次迭代 f(x_6348) =7.607045331697654e-07, x1 =
9.991279711553037e-01, x2 = 9.982550588860769e-01 第6349次迭代 f(x_6349)
=7.594851323115728e-07, x1 = 9.991300002325250e-01, x2 = 9.982556725471413e-01 第6350次

迭代 $f(x_{6350}) = 7.582626567571496e-07$, $x_1 = 9.991293621671256e-01$, $x_2 = 9.982578935690944e-01$ 第6351次迭代 $f(x_{6351}) = 7.570423338862992e-07$, $x_1 = 9.991314271399871e-01$, $x_2 = 9.982584866672224e-01$ 第6352次迭代 $f(x_{6352}) = 7.558286757977535e-07$, $x_1 = 9.991307662041954e-01$, $x_2 = 9.982606715475322e-01$ 第6353次迭代 $f(x_{6353}) = 7.546150759512138e-07$, $x_1 = 9.991328053060826e-01$, $x_2 = 9.982612749686158e-01$ 第6354次迭代 $f(x_{6354}) = 7.534028772949047e-07$, $x_1 = 9.991321677748055e-01$, $x_2 = 9.982634451915580e-01$ 第6355次迭代 $f(x_{6355}) = 7.521958792722211e-07$, $x_1 = 9.991341814552005e-01$, $x_2 = 9.982640587152414e-01$ 第6356次迭代 $f(x_{6356}) = 7.509843152102850e-07$, $x_1 = 9.991335521487553e-01$, $x_2 = 9.982662662050324e-01$ 第6357次迭代 $f(x_{6357}) = 7.497764370016219e-07$, $x_1 = 9.991356014387015e-01$, $x_2 = 9.982668593214390e-01$ 第6358次迭代 $f(x_{6358}) = 7.485738232607497e-07$, $x_1 = 9.991349493505594e-01$, $x_2 = 9.982690308542135e-01$ 第6359次迭代 $f(x_{6359}) = 7.473725735858219e-07$, $x_1 = 9.991369730319499e-01$, $x_2 = 9.982696341749829e-01$ 第6360次迭代 $f(x_{6360}) = 7.461712529985649e-07$, $x_1 = 9.991363290168152e-01$, $x_2 = 9.982718429173061e-01$ 第6361次迭代 $f(x_{6361}) = 7.449690165507100e-07$, $x_1 = 9.991383886605456e-01$, $x_2 = 9.982724256631202e-01$ 第6362次迭代 $f(x_{6362}) = 7.437759635794211e-07$, $x_1 = 9.991377218655478e-01$, $x_2 = 9.982745985998209e-01$ 第6363次迭代 $f(x_{6363}) = 7.425803835842954e-07$, $x_1 = 9.991397557112200e-01$, $x_2 = 9.982751916529519e-01$ 第6364次迭代 $f(x_{6364}) = 7.413887306009061e-07$, $x_1 = 9.991391122669742e-01$, $x_2 = 9.982773499830598e-01$ 第6365次迭代 $f(x_{6365}) = 7.401996866302897e-07$, $x_1 = 9.991411207617339e-01$, $x_2 = 9.982779531242867e-01$ 第6366次迭代 $f(x_{6366}) = 7.390091014030431e-07$, $x_1 = 9.991404853477931e-01$, $x_2 = 9.982801484868256e-01$ 第6367次迭代 $f(x_{6367}) = 7.378191119801190e-07$, $x_1 = 9.991425295228686e-01$, $x_2 = 9.982807312066228e-01$ 第6368次迭代 $f(x_{6368}) = 7.366369254214352e-07$, $x_1 = 9.991418714173484e-01$, $x_2 = 9.982828909465324e-01$ 第6369次迭代 $f(x_{6369}) = 7.354534995274331e-07$, $x_1 = 9.991438900525865e-01$, $x_2 = 9.982834838570507e-01$ 第6370次迭代 $f(x_{6370}) = 7.342727237421768e-07$, $x_1 = 9.991432550530707e-01$, $x_2 = 9.982856291268589e-01$ 第6371次迭代 $f(x_{6371}) = 7.330957432876316e-07$, $x_1 = 9.991452485903702e-01$, $x_2 = 9.982862320114791e-01$ 第6372次迭代 $f(x_{6372}) = 7.319158199645822e-07$, $x_1 = 9.991446215783539e-01$, $x_2 = 9.982884141376089e-01$ 第6373次迭代 $f(x_{6373}) = 7.307379337679706e-07$, $x_1 = 9.991466505188465e-01$, $x_2 = 9.982889967518149e-01$ 第6374次迭代 $f(x_{6374}) = 7.295665311234501e-07$, $x_1 = 9.991460009033027e-01$, $x_2 = 9.982911434373293e-01$ 第6375次迭代 $f(x_{6375}) = 7.283951174664825e-07$, $x_1 = 9.991480045575071e-01$, $x_2 = 9.982917361279351e-01$ 第6376次迭代 $f(x_{6376}) = 7.272251354041681e-07$, $x_1 = 9.991473778077857e-01$, $x_2 = 9.982938684774887e-01$ 第6377次迭代 $f(x_{6377}) = 7.260600784714685e-07$, $x_1 = 9.991493566124547e-01$, $x_2 = 9.982944710304269e-01$ 第6378次迭代 $f(x_{6378}) = 7.248907433227484e-07$, $x_1 = 9.991487378073259e-01$, $x_2 = 9.982966400611955e-01$ 第6379次迭代 $f(x_{6379}) = 7.237248188025634e-07$, $x_1 = 9.991507517428750e-01$, $x_2 = 9.982972224922706e-01$ 第6380次迭代 $f(x_{6380}) = 7.225641176454959e-07$, $x_1 = 9.991501104220302e-01$, $x_2 = 9.982993562634672e-01$ 第6381次迭代 $f(x_{6381}) = 7.214045765558952e-07$, $x_1 = 9.991520993202675e-01$, $x_2 = 9.982999486588463e-01$ 第6382次迭代 $f(x_{6382}) = 7.202451689781470e-07$, $x_1 = 9.991514657924434e-01$, $x_2 = 9.983021190561693e-01$ 第6383次迭代 $f(x_{6383}) = 7.190846554158249e-07$, $x_1 = 9.991534901761366e-01$, $x_2 = 9.983026911609660e-01$ 第6384次迭代 $f(x_{6384}) = 7.179329493026126e-07$, $x_1 = 9.991528416113110e-01$, $x_2 = 9.983048021073616e-01$ 第6385次迭代 $f(x_{6385}) = 7.167823598658841e-07$, $x_1 = 9.991548114337211e-01$, $x_2 = 9.983053989449637e-01$ 第6386次迭代 $f(x_{6386}) = 7.156285314338242e-07$, $x_1 = 9.991541928015707e-01$, $x_2 = 9.983075559540624e-01$ 第6387次迭代 $f(x_{6387}) = 7.144770560194705e-07$, $x_1 =$

9.991561976774318e-01, x2 = 9.983081327251283e-01 第6388次迭代 f(x_6388)
=7.133316174972488e-07, x1 = 9.991555566157652e-01, x2 = 9.983102547299567e-01 第6389次
迭代 f(x_6389) =7.121864540651582e-07, x1 = 9.991575365951051e-01, x2 =
9.983108414112705e-01 第6390次迭代 f(x_6390) =7.110424171068260e-07, x1 =
9.991569180385267e-01, x2 = 9.983129492931372e-01 第6391次迭代 f(x_6391)
=7.099034533512190e-07, x1 = 9.991588735497611e-01, x2 = 9.983135456747522e-01 第6392次
迭代 f(x_6392) =7.087600152086687e-07, x1 = 9.991582627732700e-01, x2 =
9.983156898649206e-01 第6393次迭代 f(x_6393) =7.076202012632201e-07, x1 =
9.991602530744501e-01, x2 = 9.983162663240087e-01 第6394次迭代 f(x_6394)
=7.064852537766842e-07, x1 = 9.991596199556503e-01, x2 = 9.983183756887278e-01 第6395次
迭代 f(x_6395) =7.053516660777343e-07, x1 = 9.991615856008023e-01, x2 =
9.983189619500691e-01 第6396次迭代 f(x_6396) =7.042179554221649e-07, x1 =
9.991609601107988e-01, x2 = 9.983211075693275e-01 第6397次迭代 f(x_6397)
=7.030834139203162e-07, x1 = 9.991629609011037e-01, x2 = 9.983216737390145e-01 第6398次
迭代 f(x_6398) =7.019575346016629e-07, x1 = 9.991623130681224e-01, x2 =
9.983237846811100e-01 第6399次迭代 f(x_6399) =7.008292471038269e-07, x1 =
9.991642890120270e-01, x2 = 9.983243607561987e-01 第6400次迭代 f(x_6400)
=6.997047091445337e-07, x1 = 9.991636636523895e-01, x2 = 9.983264576144194e-01 第6401次
迭代 f(x_6401) =6.985825638922056e-07, x1 = 9.991656151764612e-01, x2 =
9.983270433858552e-01 第6402次迭代 f(x_6402) =6.974590740495147e-07, x1 =
9.991649974030924e-01, x2 = 9.983291763270831e-01 第6403次迭代 f(x_6403)
=6.963360104304434e-07, x1 = 9.991669838124895e-01, x2 = 9.983297421489365e-01 第6404次
迭代 f(x_6404) =6.952204518404050e-07, x1 = 9.991663437828849e-01, x2 =
9.983318405902687e-01 第6405次迭代 f(x_6405) =6.941035578427166e-07, x1 =
9.991683055826533e-01, x2 = 9.983324162112909e-01 第6406次迭代 f(x_6406)
=6.929893480382920e-07, x1 = 9.991676878025378e-01, x2 = 9.983345006943902e-01 第6407次
迭代 f(x_6407) =6.918785139721203e-07, x1 = 9.991696254144632e-01, x2 =
9.983350859078965e-01 第6408次迭代 f(x_6408) =6.907651721883382e-07, x1 =
9.991690151779856e-01, x2 = 9.983372063034516e-01 第6409次迭代 f(x_6409)
=6.896534538061383e-07, x1 = 9.991709874198897e-01, x2 = 9.983377717071492e-01 第6410次
迭代 f(x_6410) =6.885481355696091e-07, x1 = 9.991703550136458e-01, x2 =
9.983398577791478e-01 第6411次迭代 f(x_6411) =6.874425041223336e-07, x1 =
9.991723028784851e-01, x2 = 9.983404328778256e-01 第6412次迭代 f(x_6412)
=6.863385412830681e-07, x1 = 9.991716925019849e-01, x2 = 9.983425051151131e-01 第6413次
迭代 f(x_6413) =6.852388890940877e-07, x1 = 9.991736164068531e-01, x2 =
9.983430897044115e-01 第6414次迭代 f(x_6414) =6.841356224965908e-07, x1 =
9.991730135312588e-01, x2 = 9.983451976845785e-01 第6415次迭代 f(x_6415)
=6.830351187030785e-07, x1 = 9.991749718151581e-01, x2 = 9.983457626015849e-01 第6416次
迭代 f(x_6416) =6.819399606148694e-07, x1 = 9.991743468559880e-01, x2 =
9.983478364336152e-01 第6417次迭代 f(x_6417) =6.808454627203255e-07, x1 =
9.991762809912653e-01, x2 = 9.983484109434144e-01 第6418次迭代 f(x_6418)
=6.797516284612408e-07, x1 = 9.991756633818346e-01, x2 = 9.983505204667704e-01 第6419次
迭代 f(x_6419) =6.786561768145456e-07, x1 = 9.991776322533439e-01, x2 =
9.983510751340104e-01 第6420次迭代 f(x_6420) =6.775695070143262e-07, x1 =
9.991769998501397e-01, x2 = 9.983531269961577e-01 第6421次迭代 f(x_6421)
=6.764834145433516e-07, x1 = 9.991789158339356e-01, x2 = 9.983537056316862e-01 第6422次
迭代 f(x_6422) =6.753948936423767e-07, x1 = 9.991783123117516e-01, x2 =
9.983558023409110e-01 第6423次迭代 f(x_6423) =6.743079274337696e-07, x1 =
9.991802626191488e-01, x2 = 9.983563613480072e-01 第6424次迭代 f(x_6424)
=6.732272556483480e-07, x1 = 9.991796370966128e-01, x2 = 9.983584241573488e-01 第6425次

迭代 $f(x_{6425}) = 6.721462315812343e-07$, $x_1 = 9.991815633759621e-01$, $x_2 = 9.983589927128160e-01$ 第6426次迭代 $f(x_{6426}) = 6.710668916094548e-07$, $x_1 = 9.991809595620095e-01$, $x_2 = 9.983610418797295e-01$ 第6427次迭代 $f(x_{6427}) = 6.699917050499233e-07$, $x_1 = 9.991828622229427e-01$, $x_2 = 9.983616197828930e-01$ 第6428次迭代 $f(x_{6428}) = 6.689130666053894e-07$, $x_1 = 9.991822657459248e-01$, $x_2 = 9.983637043325128e-01$ 第6429次迭代 $f(x_{6429}) = 6.678370370197100e-07$, $x_1 = 9.991842024875592e-01$, $x_2 = 9.983642627406026e-01$ 第6430次迭代 $f(x_{6430}) = 6.667663223855870e-07$, $x_1 = 9.991835840956987e-01$, $x_2 = 9.983663135636475e-01$ 第6431次迭代 $f(x_{6431}) = 6.656961568623986e-07$, $x_1 = 9.991854970301028e-01$, $x_2 = 9.983668814215972e-01$ 第6432次迭代 $f(x_{6432}) = 6.646267636332645e-07$, $x_1 = 9.991848858242126e-01$, $x_2 = 9.983689675771182e-01$ 第6433次迭代 $f(x_{6433}) = 6.635556540573358e-07$, $x_1 = 9.991868331972832e-01$, $x_2 = 9.983695157692555e-01$ 第6434次迭代 $f(x_{6434}) = 6.624932439742873e-07$, $x_1 = 9.991862072904879e-01$, $x_2 = 9.983715449455612e-01$ 第6435次迭代 $f(x_{6435}) = 6.614312799393329e-07$, $x_1 = 9.991881024238027e-01$, $x_2 = 9.983721168095648e-01$ 第6436次迭代 $f(x_{6436}) = 6.603671008191945e-07$, $x_1 = 9.991875049989255e-01$, $x_2 = 9.983741903688048e-01$ 第6437次迭代 $f(x_{6437}) = 6.593042703074241e-07$, $x_1 = 9.991894341656853e-01$, $x_2 = 9.983747427773296e-01$ 第6438次迭代 $f(x_{6438}) = 6.582477504613497e-07$, $x_1 = 9.991888149080029e-01$, $x_2 = 9.983767828555882e-01$ 第6439次迭代 $f(x_{6439}) = 6.571907230410838e-07$, $x_1 = 9.991907203806806e-01$, $x_2 = 9.983773446730835e-01$ 第6440次迭代 $f(x_{6440}) = 6.561355098365850e-07$, $x_1 = 9.991901225250311e-01$, $x_2 = 9.983793712935378e-01$ 第6441次迭代 $f(x_{6441}) = 6.550841837495207e-07$, $x_1 = 9.991920047061172e-01$, $x_2 = 9.983799423228534e-01$ 第6442次迭代 $f(x_{6442}) = 6.540296964759619e-07$, $x_1 = 9.991914140235773e-01$, $x_2 = 9.983820039707254e-01$ 第6443次迭代 $f(x_{6443}) = 6.529775327534405e-07$, $x_1 = 9.991933300029775e-01$, $x_2 = 9.983825556739040e-01$ 第6444次迭代 $f(x_{6444}) = 6.519307699876409e-07$, $x_1 = 9.991927175724347e-01$, $x_2 = 9.983845840120319e-01$ 第6445次迭代 $f(x_{6445}) = 6.508843340873271e-07$, $x_1 = 9.991946100712553e-01$, $x_2 = 9.983851450291922e-01$ 第6446次迭代 $f(x_{6446}) = 6.498388817057296e-07$, $x_1 = 9.991940188415621e-01$, $x_2 = 9.983871600233891e-01$ 第6447次迭代 $f(x_{6447}) = 6.487980736519056e-07$, $x_1 = 9.991958882580105e-01$, $x_2 = 9.983877301595026e-01$ 第6448次迭代 $f(x_{6448}) = 6.477532062778689e-07$, $x_1 = 9.991953041586398e-01$, $x_2 = 9.983897800167256e-01$ 第6449次迭代 $f(x_{6449}) = 6.467115882783359e-07$, $x_1 = 9.991972071423029e-01$, $x_2 = 9.983903309539719e-01$ 第6450次迭代 $f(x_{6450}) = 6.456745044867351e-07$, $x_1 = 9.991966013794232e-01$, $x_2 = 9.983923476718123e-01$ 第6451次迭代 $f(x_{6451}) = 6.446385404933105e-07$, $x_1 = 9.991984810922845e-01$, $x_2 = 9.983929078298563e-01$ 第6452次迭代 $f(x_{6452}) = 6.436026481418584e-07$, $x_1 = 9.991978823093347e-01$, $x_2 = 9.983949593622137e-01$ 第6453次迭代 $f(x_{6453}) = 6.425657752024126e-07$, $x_1 = 9.991997959473826e-01$, $x_2 = 9.983955001505211e-01$ 第6454次迭代 $f(x_{6454}) = 6.415367999988179e-07$, $x_1 = 9.991991825692139e-01$, $x_2 = 9.983974956771551e-01$ 第6455次迭代 $f(x_{6455}) = 6.405087458909279e-07$, $x_1 = 9.992010450091838e-01$, $x_2 = 9.983980596554003e-01$ 第6456次迭代 $f(x_{6456}) = 6.394779397291901e-07$, $x_1 = 9.992004595407481e-01$, $x_2 = 9.984000989159079e-01$ 第6457次迭代 $f(x_{6457}) = 6.384490504021404e-07$, $x_1 = 9.992023555120826e-01$, $x_2 = 9.984006437289266e-01$ 第6458次迭代 $f(x_{6458}) = 6.374257561572343e-07$, $x_1 = 9.992017484605379e-01$, $x_2 = 9.984026500918808e-01$ 第6459次迭代 $f(x_{6459}) = 6.364024637406262e-07$, $x_1 = 9.992036212637891e-01$, $x_2 = 9.984032040897683e-01$ 第6460次迭代 $f(x_{6460}) = 6.353804523657320e-07$, $x_1 = 9.992030351273887e-01$, $x_2 = 9.984051972824943e-01$ 第6461次迭代 $f(x_{6461}) = 6.343626595212792e-07$, $x_1 = 9.992048851540795e-01$, $x_2 = 9.984057602735193e-01$ 第6462次迭代 $f(x_{6462}) = 6.333412855042230e-07$, $x_1 =$

9.992043059843153e-01, x2 = 9.984077879808970e-01 第6463次迭代 f(x_6463)
=6.323226834455857e-07, x1 = 9.992061893186428e-01, x2 = 9.984083319301494e-01 第6464次
迭代 f(x_6464) =6.313088721022414e-07, x1 = 9.992055886495218e-01, x2 =
9.984103269083205e-01 第6465次迭代 f(x_6465) =6.302957957402176e-07, x1 =
9.992074490186674e-01, x2 = 9.984108799525633e-01 第6466次迭代 f(x_6466)
=6.292832213651226e-07, x1 = 9.992068551659207e-01, x2 = 9.984129093981972e-01 第6467次
迭代 f(x_6467) =6.282692377673353e-07, x1 = 9.992087492015705e-01, x2 =
9.984134432292626e-01 第6468次迭代 f(x_6468) =6.272633368672711e-07, x1 =
9.992081408587136e-01, x2 = 9.984154173253635e-01 第6469次迭代 f(x_6469)
=6.262579822451344e-07, x1 = 9.992099842724919e-01, x2 = 9.984159740850557e-01 第6470次
迭代 f(x_6470) =6.252503942487833e-07, x1 = 9.992094034599659e-01, x2 =
9.984179914589685e-01 第6471次迭代 f(x_6471) =6.242442040452315e-07, x1 =
9.992112801531247e-01, x2 = 9.984185292065583e-01 第6472次迭代 f(x_6472)
=6.232439032816663e-07, x1 = 9.992106779203866e-01, x2 = 9.984205140905567e-01 第6473次
迭代 f(x_6473) =6.222431841562774e-07, x1 = 9.992125317443562e-01, x2 =
9.984210609003952e-01 第6474次迭代 f(x_6474) =6.212441375417829e-07, x1 =
9.992119501542432e-01, x2 = 9.984230327809307e-01 第6475次迭代 f(x_6475)
=6.202487946498758e-07, x1 = 9.992137814941494e-01, x2 = 9.984235884644406e-01 第6476次
迭代 f(x_6476) =6.192504534498475e-07, x1 = 9.992132067070810e-01, x2 =
9.984255945160285e-01 第6477次迭代 f(x_6477) =6.182542994036882e-07, x1 =
9.992150711097656e-01, x2 = 9.984261313071980e-01 第6478次迭代 f(x_6478)
=6.172632885333426e-07, x1 = 9.992144749854756e-01, x2 = 9.984281050352407e-01 第6479次
迭代 f(x_6479) =6.162725368293190e-07, x1 = 9.992163167152679e-01, x2 =
9.984286508019514e-01 第6480次迭代 f(x_6480) =6.152827815400753e-07, x1 =
9.992157410491574e-01, x2 = 9.984306116316780e-01 第6481次迭代 f(x_6481)
=6.142973389189149e-07, x1 = 9.992175604872644e-01, x2 = 9.984311661872924e-01 第6482次
迭代 f(x_6482) =6.133081739608215e-07, x1 = 9.992169915813478e-01, x2 =
9.984331610287294e-01 第6483次迭代 f(x_6483) =6.123219436193171e-07, x1 =
9.992188438693355e-01, x2 = 9.984336968098584e-01 第6484次迭代 f(x_6484)
=6.113401469021326e-07, x1 = 9.992182537088555e-01, x2 = 9.984356594932827e-01 第6485次
迭代 f(x_6485) =6.103592514528156e-07, x1 = 9.992200835168715e-01, x2 =
9.984362041648777e-01 第6486次迭代 f(x_6486) =6.093786325379404e-07, x1 =
9.992194999667966e-01, x2 = 9.984382008145397e-01 第6487次迭代 f(x_6487)
=6.083968531629737e-07, x1 = 9.992213629837573e-01, x2 = 9.984387265400230e-01 第6488次
迭代 f(x_6488) =6.074227488999050e-07, x1 = 9.992207650669288e-01, x2 =
9.984406687770774e-01 第6489次迭代 f(x_6489) =6.064493058486386e-07, x1 =
9.992225784008280e-01, x2 = 9.984412169996146e-01 第6490次迭代 f(x_6490)
=6.054735442218194e-07, x1 = 9.992220074701261e-01, x2 = 9.984432018766944e-01 第6491次
迭代 f(x_6491) =6.044992855778451e-07, x1 = 9.992238536362253e-01, x2 =
9.984437313488850e-01 第6492次迭代 f(x_6492) =6.035306115495623e-07, x1 =
9.992232615283755e-01, x2 = 9.984456843036504e-01 第6493次迭代 f(x_6493)
=6.025616366223698e-07, x1 = 9.992250853010525e-01, x2 = 9.984462226380392e-01 第6494次
迭代 f(x_6494) =6.015941876495570e-07, x1 = 9.992245133976989e-01, x2 =
9.984481628513507e-01 第6495次迭代 f(x_6495) =6.006304054698642e-07, x1 =
9.992263151521725e-01, x2 = 9.984487098642507e-01 第6496次迭代 f(x_6496)
=5.996636379853328e-07, x1 = 9.992257498455049e-01, x2 = 9.984506837524263e-01 第6497次
迭代 f(x_6497) =5.986990622227403e-07, x1 = 9.992275842260544e-01, x2 =
9.984512121293211e-01 第6498次迭代 f(x_6498) =5.977394135256226e-07, x1 =
9.992269978241083e-01, x2 = 9.984531542587887e-01 第6499次迭代 f(x_6499)
=5.967800563322487e-07, x1 = 9.992288099979367e-01, x2 = 9.984536914157870e-01 第6500次

迭代 $f(x_{6500}) = 5.958216328953813e-07$, $x_1 = 9.992282436253718e-01$, $x_2 = 9.984556209040767e-01$ 第6501次迭代 $f(x_{6501}) = 5.948674047798929e-07$, $x_1 = 9.992300339639814e-01$, $x_2 = 9.984561666593306e-01$ 第6502次迭代 $f(x_{6502}) = 5.939095617950366e-07$, $x_1 = 9.992294741451719e-01$, $x_2 = 9.984581296660695e-01$ 第6503次迭代 $f(x_{6503}) = 5.929545611977521e-07$, $x_1 = 9.992312969072573e-01$, $x_2 = 9.984586568978437e-01$ 第6504次迭代 $f(x_{6504}) = 5.920038635174803e-07$, $x_1 = 9.992307160746949e-01$, $x_2 = 9.984605883086669e-01$ 第6505次迭代 $f(x_{6505}) = 5.910540175383522e-07$, $x_1 = 9.992325168135743e-01$, $x_2 = 9.984611242399880e-01$ 第6506次迭代 $f(x_{6506}) = 5.901044763913700e-07$, $x_1 = 9.992319423853949e-01$, $x_2 = 9.984630891255007e-01$ 第6507次迭代 $f(x_{6507}) = 5.891537634214273e-07$, $x_1 = 9.992337759071263e-01$, $x_2 = 9.984636063614387e-01$ 第6508次迭代 $f(x_{6508}) = 5.882105289052039e-07$, $x_1 = 9.992331872450537e-01$, $x_2 = 9.984655177505584e-01$ 第6509次迭代 $f(x_{6509}) = 5.872678782060506e-07$, $x_1 = 9.992349719651910e-01$, $x_2 = 9.984660570800281e-01$ 第6510次迭代 $f(x_{6510}) = 5.863230649609441e-07$, $x_1 = 9.992344097606553e-01$, $x_2 = 9.984680104781192e-01$ 第6511次迭代 $f(x_{6511}) = 5.853796125656314e-07$, $x_1 = 9.992362268967129e-01$, $x_2 = 9.984685313029452e-01$ 第6512次迭代 $f(x_{6512}) = 5.844416597568493e-07$, $x_1 = 9.992356437540644e-01$, $x_2 = 9.984704533373190e-01$ 第6513次迭代 $f(x_{6513}) = 5.835033140205780e-07$, $x_1 = 9.992374389445542e-01$, $x_2 = 9.984709828376366e-01$ 第6514次迭代 $f(x_{6514}) = 5.825665544171826e-07$, $x_1 = 9.992368755953520e-01$, $x_2 = 9.984728923783434e-01$ 第6515次迭代 $f(x_{6515}) = 5.816332279518001e-07$, $x_1 = 9.992386492061710e-01$, $x_2 = 9.984734303750641e-01$ 第6516次迭代 $f(x_{6516}) = 5.806971605398264e-07$, $x_1 = 9.992380922472721e-01$, $x_2 = 9.984753731040317e-01$ 第6517次迭代 $f(x_{6517}) = 5.797630521929262e-07$, $x_1 = 9.992398980778574e-01$, $x_2 = 9.984758927052866e-01$ 第6518次迭代 $f(x_{6518}) = 5.788338658439925e-07$, $x_1 = 9.992393202615588e-01$, $x_2 = 9.984778042314517e-01$ 第6519次迭代 $f(x_{6519}) = 5.779048023481192e-07$, $x_1 = 9.992411043242281e-01$, $x_2 = 9.984783324304460e-01$ 第6520次迭代 $f(x_{6520}) = 5.769768083336765e-07$, $x_1 = 9.992405461350541e-01$, $x_2 = 9.984802315586208e-01$ 第6521次迭代 $f(x_{6521}) = 5.760527036809577e-07$, $x_1 = 9.992423087921776e-01$, $x_2 = 9.984807681780106e-01$ 第6522次迭代 $f(x_{6522}) = 5.751253134825590e-07$, $x_1 = 9.992417569502975e-01$, $x_2 = 9.984827003409121e-01$ 第6523次迭代 $f(x_{6523}) = 5.742004459299904e-07$, $x_1 = 9.992435516343890e-01$, $x_2 = 9.984832186722832e-01$ 第6524次迭代 $f(x_{6524}) = 5.732799532102494e-07$, $x_1 = 9.992429790154690e-01$, $x_2 = 9.984851197925037e-01$ 第6525次迭代 $f(x_{6525}) = 5.723600698163109e-07$, $x_1 = 9.992447521062866e-01$, $x_2 = 9.984856466453127e-01$ 第6526次迭代 $f(x_{6526}) = 5.714407463233125e-07$, $x_1 = 9.992441856856479e-01$, $x_2 = 9.984875807582108e-01$ 第6527次迭代 $f(x_{6527}) = 5.705200071015787e-07$, $x_1 = 9.992459911632404e-01$, $x_2 = 9.984880891507627e-01$ 第6528次迭代 $f(x_{6528}) = 5.696067387636799e-07$, $x_1 = 9.992454106502033e-01$, $x_2 = 9.984899706634620e-01$ 第6529次迭代 $f(x_{6529}) = 5.686938050166311e-07$, $x_1 = 9.992471681534011e-01$, $x_2 = 9.984905007725475e-01$ 第6530次迭代 $f(x_{6530}) = 5.677790801682220e-07$, $x_1 = 9.992466135841708e-01$, $x_2 = 9.984924236700407e-01$ 第6531次迭代 $f(x_{6531}) = 5.668653531076798e-07$, $x_1 = 9.992484031164931e-01$, $x_2 = 9.984929355048511e-01$ 第6532次迭代 $f(x_{6532}) = 5.659572374838276e-07$, $x_1 = 9.992478278440471e-01$, $x_2 = 9.984948275884528e-01$ 第6533次迭代 $f(x_{6533}) = 5.650484496333932e-07$, $x_1 = 9.992495958523108e-01$, $x_2 = 9.984953479246178e-01$ 第6534次迭代 $f(x_{6534}) = 5.641414930020466e-07$, $x_1 = 9.992490399878006e-01$, $x_2 = 9.984972277488975e-01$ 第6535次迭代 $f(x_{6535}) = 5.632375602864229e-07$, $x_1 = 9.992507868291302e-01$, $x_2 = 9.984977564116537e-01$ 第6536次迭代 $f(x_{6536}) = 5.623313375647103e-07$, $x_1 = 9.992502371484895e-01$, $x_2 = 9.984996689470363e-01$ 第6537次迭代 $f(x_{6537}) = 5.614266293541668e-07$, $x_1 =$

9.992520158322868e-01, x2 = 9.985001794397711e-01 第6538次迭代 f(x_6538)
=5.605270271198992e-07, x1 = 9.992514455279573e-01, x2 = 9.985020613195529e-01 第6539次
迭代 f(x_6539) =5.596271994254103e-07, x1 = 9.992532028568051e-01, x2 =
9.985025802399824e-01 第6540次迭代 f(x_6540) =5.587287543706130e-07, x1 =
9.992526518023851e-01, x2 = 9.985044499517720e-01 第6541次迭代 f(x_6541)
=5.578337244070675e-07, x1 = 9.992543881300594e-01, x2 = 9.985049771267888e-01 第6542次
迭代 f(x_6542) =5.569359363072359e-07, x1 = 9.992538432164216e-01, x2 =
9.985068793989820e-01 第6543次迭代 f(x_6543) =5.560401479029167e-07, x1 =
9.992556112031058e-01, x2 = 9.985073885065793e-01 第6544次迭代 f(x_6544)
=5.551489877559333e-07, x1 = 9.992550457449435e-01, x2 = 9.985092602806888e-01 第6545次
迭代 f(x_6545) =5.542580222151194e-07, x1 = 9.992567925429419e-01, x2 =
9.985097777436904e-01 第6546次迭代 f(x_6546) =5.533680170493171e-07, x1 =
9.992562461794315e-01, x2 = 9.985116374396941e-01 第6547次迭代 f(x_6547)
=5.524817928463800e-07, x1 = 9.992579721392305e-01, x2 = 9.985121630866187e-01 第6548次
迭代 f(x_6548) =5.515923721045209e-07, x1 = 9.992574318733327e-01, x2 =
9.985140551931977e-01 第6549次迭代 f(x_6549) =5.507054057745519e-07, x1 =
9.992591893118296e-01, x2 = 9.985145628736803e-01 第6550次迭代 f(x_6550)
=5.498226167967698e-07, x1 = 9.992586285802074e-01, x2 = 9.985164246389248e-01 第6551次
迭代 f(x_6551) =5.489404166949120e-07, x1 = 9.992603649934897e-01, x2 =
9.985169406038644e-01 第6552次迭代 f(x_6552) =5.480587627306192e-07, x1 =
9.992598102110919e-01, x2 = 9.985188347397351e-01 第6553次迭代 f(x_6553)
=5.471757298056193e-07, x1 = 9.992615784627891e-01, x2 = 9.985193325658868e-01 第6554次
迭代 f(x_6554) =5.462998884212476e-07, x1 = 9.992610097615995e-01, x2 =
9.985211752486366e-01 第6555次迭代 f(x_6555) =5.454243282538942e-07, x1 =
9.992627311447329e-01, x2 = 9.985216942851548e-01 第6556次迭代 f(x_6556)
=5.445471135902607e-07, x1 = 9.992621877312541e-01, x2 = 9.985235775564610e-01 第6557次
迭代 f(x_6557) =5.436707794953991e-07, x1 = 9.992639406072832e-01, x2 =
9.985240786339588e-01 第6558次迭代 f(x_6558) =5.427999048360495e-07, x1 =
9.992633767995668e-01, x2 = 9.985259317883804e-01 第6559次迭代 f(x_6559)
=5.419282956945304e-07, x1 = 9.992651087091912e-01, x2 = 9.985264411351490e-01 第6560次
迭代 f(x_6560) =5.410585411620384e-07, x1 = 9.992645637978191e-01, x2 =
9.985282823390936e-01 第6561次迭代 f(x_6561) =5.401915771721316e-07, x1 =
9.992662750867264e-01, x2 = 9.985287997860101e-01 第6562次迭代 f(x_6562)
=5.393225594233401e-07, x1 = 9.992657361095488e-01, x2 = 9.985306730852971e-01 第6563次
迭代 f(x_6563) =5.384548368051989e-07, x1 = 9.992674787168038e-01, x2 =
9.985311726711681e-01 第6564次迭代 f(x_6564) =5.375921586003641e-07, x1 =
9.992669194233332e-01, x2 = 9.985330160085474e-01 第6565次迭代 f(x_6565)
=5.367291061234749e-07, x1 = 9.992686412225276e-01, x2 = 9.985335237951833e-01 第6566次
迭代 f(x_6566) =5.358675450654779e-07, x1 = 9.992681006778270e-01, x2 =
9.985353552679352e-01 第6567次迭代 f(x_6567) =5.350090841073774e-07, x1 =
9.992698020115228e-01, x2 = 9.985358710877579e-01 第6568次迭代 f(x_6568)
=5.341481972272381e-07, x1 = 9.992692673577730e-01, x2 = 9.985377345087987e-01 第6569次
迭代 f(x_6569) =5.332889922597116e-07, x1 = 9.992709998382705e-01, x2 =
9.985382325639990e-01 第6570次迭代 f(x_6570) =5.324344411662827e-07, x1 =
9.992704449458013e-01, x2 = 9.985400661773592e-01 第6571次迭代 f(x_6571)
=5.315798524797302e-07, x1 = 9.992721567739388e-01, x2 = 9.985405723660882e-01 第6572次
迭代 f(x_6572) =5.307264152230654e-07, x1 = 9.992716204852353e-01, x2 =
9.985423941993278e-01 第6573次迭代 f(x_6573) =5.298763653462544e-07, x1 =
9.992733120005036e-01, x2 = 9.985429083555246e-01 第6574次迭代 f(x_6574)
=5.290235435674047e-07, x1 = 9.992727815594299e-01, x2 = 9.985447619908505e-01 第6575次

迭代 $f(x_{6575}) = 5.281727636405152e-07$, $x_1 = 9.992745040529075e-01$, $x_2 = 9.985452584773208e-01$ 第6576次迭代 $f(x_{6576}) = 5.273262707193886e-07$, $x_1 = 9.992739534503153e-01$, $x_2 = 9.985470824584493e-01$ 第6577次迭代 $f(x_{6577}) = 5.264800541432057e-07$, $x_1 = 9.992756554445390e-01$, $x_2 = 9.985475870124572e-01$ 第6578次迭代 $f(x_{6578}) = 5.256346714323987e-07$, $x_1 = 9.992751233032302e-01$, $x_2 = 9.985493992966533e-01$ 第6579次迭代 $f(x_{6579}) = 5.247929418597192e-07$, $x_1 = 9.992768051346730e-01$, $x_2 = 9.985499117536292e-01$ 第6580次迭代 $f(x_{6580}) = 5.239481197023486e-07$, $x_1 = 9.992762787975972e-01$, $x_2 = 9.985517556945556e-01$ 第6581次迭代 $f(x_{6581}) = 5.231056734001036e-07$, $x_1 = 9.992779914415637e-01$, $x_2 = 9.985522505751967e-01$ 第6582次迭代 $f(x_{6582}) = 5.222671701206935e-07$, $x_1 = 9.992774450197954e-01$, $x_2 = 9.985540650146703e-01$ 第6583次迭代 $f(x_{6583}) = 5.214292351474137e-07$, $x_1 = 9.992791373150672e-01$, $x_2 = 9.985545678980801e-01$ 第6584次迭代 $f(x_{6584}) = 5.205918249078742e-07$, $x_1 = 9.992785965499709e-01$, $x_2 = 9.985564139568214e-01$ 第6585次迭代 $f(x_{6585}) = 5.197530852518844e-07$, $x_1 = 9.992803200170196e-01$, $x_2 = 9.985568990915986e-01$ 第6586次迭代 $f(x_{6586}) = 5.189212032034798e-07$, $x_1 = 9.992797655482717e-01$, $x_2 = 9.985586950731705e-01$ 第6587次迭代 $f(x_{6587}) = 5.180895464085459e-07$, $x_1 = 9.992814434707877e-01$, $x_2 = 9.985592008125213e-01$ 第6588次迭代 $f(x_{6588}) = 5.172563859997043e-07$, $x_1 = 9.992809135074613e-01$, $x_2 = 9.985610364220275e-01$ 第6589次迭代 $f(x_{6589}) = 5.164239792396906e-07$, $x_1 = 9.992826222706257e-01$, $x_2 = 9.985615245851390e-01$ 第6590次迭代 $f(x_{6590}) = 5.155968431153278e-07$, $x_1 = 9.992820722912055e-01$, $x_2 = 9.985633309124647e-01$ 第6591次迭代 $f(x_{6591}) = 5.147689105470884e-07$, $x_1 = 9.992837607525961e-01$, $x_2 = 9.985638270687359e-01$ 第6592次迭代 $f(x_{6592}) = 5.139428482749092e-07$, $x_1 = 9.992832290601318e-01$, $x_2 = 9.985656218140478e-01$ 第6593次迭代 $f(x_{6593}) = 5.131193150449353e-07$, $x_1 = 9.992848975519326e-01$, $x_2 = 9.985661258010134e-01$ 第6594次迭代 $f(x_{6594}) = 5.122939896323615e-07$, $x_1 = 9.992843715002628e-01$, $x_2 = 9.985679518979249e-01$ 第6595次迭代 $f(x_{6595}) = 5.114697189032549e-07$, $x_1 = 9.992860706723629e-01$, $x_2 = 9.985684383992576e-01$ 第6596次迭代 $f(x_{6596}) = 5.106504044625873e-07$, $x_1 = 9.992855246805478e-01$, $x_2 = 9.985702353650276e-01$ 第6597次迭代 $f(x_{6597}) = 5.098305575354074e-07$, $x_1 = 9.992872036967609e-01$, $x_2 = 9.985707297969680e-01$ 第6598次迭代 $f(x_{6598}) = 5.090123127091096e-07$, $x_1 = 9.992866758564147e-01$, $x_2 = 9.985725152602251e-01$ 第6599次迭代 $f(x_{6599}) = 5.081968157849753e-07$, $x_1 = 9.992883350460554e-01$, $x_2 = 9.985730174617250e-01$ 第6600次迭代 $f(x_{6600}) = 5.073792612053215e-07$, $x_1 = 9.992878128030384e-01$, $x_2 = 9.985748341339274e-01$ 第6601次迭代 $f(x_{6601}) = 5.065630386597242e-07$, $x_1 = 9.992895025154074e-01$, $x_2 = 9.985753189389622e-01$ 第6602次迭代 $f(x_{6602}) = 5.057514789852144e-07$, $x_1 = 9.992889604078137e-01$, $x_2 = 9.985771066303416e-01$ 第6603次迭代 $f(x_{6603}) = 5.049396307041269e-07$, $x_1 = 9.992906301077682e-01$, $x_2 = 9.985775993045884e-01$ 第6604次迭代 $f(x_{6604}) = 5.041291361360537e-07$, $x_1 = 9.992901060185011e-01$, $x_2 = 9.985793755717265e-01$ 第6605次迭代 $f(x_{6605}) = 5.033215893508798e-07$, $x_1 = 9.992917560325357e-01$, $x_2 = 9.985798759555297e-01$ 第6606次迭代 $f(x_{6606}) = 5.025117417558770e-07$, $x_1 = 9.992912374970607e-01$, $x_2 = 9.985816832897869e-01$ 第6607次迭代 $f(x_{6607}) = 5.017034806564875e-07$, $x_1 = 9.992929178789876e-01$, $x_2 = 9.985821663648757e-01$ 第6608次迭代 $f(x_{6608}) = 5.008996092516348e-07$, $x_1 = 9.992923795541234e-01$, $x_2 = 9.985839448679120e-01$ 第6609次迭代 $f(x_{6609}) = 5.000956737127407e-07$, $x_1 = 9.992940400647370e-01$, $x_2 = 9.985844357519523e-01$ 第6610次迭代 $f(x_{6610}) = 4.992928626473857e-07$, $x_1 = 9.992935196273600e-01$, $x_2 = 9.985862029078116e-01$ 第6611次迭代 $f(x_{6611}) = 4.984931809071719e-07$, $x_1 = 9.992951605903828e-01$, $x_2 = 9.985867014425164e-01$ 第6612次迭代 $f(x_{6612}) = 4.976909767711415e-07$, $x_1 =$

9.992946456631914e-01, x2 = 9.985884995244911e-01 第6613次迭代 f(x_6613)
=4.968905914708149e-07, x1 = 9.992963168419625e-01, x2 = 9.985889808368372e-01 第6614次
迭代 f(x_6614)=4.960943422637758e-07, x1 = 9.992957822001871e-01, x2 =
9.985907502364818e-01 第6615次迭代 f(x_6615)=4.952982346352383e-07, x1 =
9.992974336464177e-01, x2 = 9.985912392986329e-01 第6616次迭代 f(x_6616)
=4.945030407526861e-07, x1 = 9.992969167635507e-01, x2 = 9.985929974269789e-01 第6617次
迭代 f(x_6617)=4.937111400180333e-07, x1 = 9.992985487982385e-01, x2 =
9.985934940819928e-01 第6618次迭代 f(x_6618)=4.929165161442474e-07, x1 =
9.992980373818822e-01, x2 = 9.985952829962689e-01 第6619次迭代 f(x_6619)
=4.921239220671383e-07, x1 = 9.992996994828249e-01, x2 = 9.985957625139057e-01 第6620次
迭代 f(x_6620)=4.913352294130267e-07, x1 = 9.992991684263068e-01, x2 =
9.985975228940360e-01 第6621次迭代 f(x_6621)=4.905468659168525e-07, x1 =
9.993008109311942e-01, x2 = 9.985980101034249e-01 第6622次迭代 f(x_6622)
=4.897592233352887e-07, x1 = 9.993002975072256e-01, x2 = 9.985997592869695e-01 第6623次
迭代 f(x_6623)=4.889750206029569e-07, x1 = 9.993019207343776e-01, x2 =
9.986002540324901e-01 第6624次迭代 f(x_6624)=4.881879141303505e-07, x1 =
9.993014127331781e-01, x2 = 9.986020338625928e-01 第6625次迭代 f(x_6625)
=4.874030277533580e-07, x1 = 9.993030658797017e-01, x2 = 9.986025115543640e-01 第6626次
迭代 f(x_6626)=4.866218264378426e-07, x1 = 9.993025383123784e-01, x2 =
9.986042629978040e-01 第6627次迭代 f(x_6627)=4.858411243310776e-07, x1 =
9.993041719970848e-01, x2 = 9.986047483243482e-01 第6628次迭代 f(x_6628)
=4.850609672312950e-07, x1 = 9.993036497061898e-01, x2 = 9.986065303801411e-01 第6629次
迭代 f(x_6629)=4.842794972455796e-07, x1 = 9.993053136683691e-01, x2 =
9.986069984809689e-01 第6630次迭代 f(x_6630)=4.835044890260288e-07, x1 =
9.993047779735904e-01, x2 = 9.986087322880352e-01 第6631次迭代 f(x_6631)
=4.827296010750889e-07, x1 = 9.993063981375816e-01, x2 = 9.986092201952582e-01 第6632次
迭代 f(x_6632)=4.819534442690582e-07, x1 = 9.993058859169602e-01, x2 =
9.986109923432419e-01 第6633次迭代 f(x_6633)=4.811778379042553e-07, x1 =
9.993075360460720e-01, x2 = 9.986114631875154e-01 第6634次迭代 f(x_6634)
=4.804072901094683e-07, x1 = 9.993070043239523e-01, x2 = 9.986132071612653e-01 第6635次
迭代 f(x_6635)=4.796358359406584e-07, x1 = 9.993086350233605e-01, x2 =
9.986136856376171e-01 第6636次迭代 f(x_6636)=4.788663003682895e-07, x1 =
9.993081207895215e-01, x2 = 9.986154185137104e-01 第6637次迭代 f(x_6637)
=4.780989297967426e-07, x1 = 9.993097323738910e-01, x2 = 9.986159044683093e-01 第6638次
迭代 f(x_6638)=4.773301338765935e-07, x1 = 9.993092233993363e-01, x2 =
9.986176676993099e-01 第6639次迭代 f(x_6639)=4.765620539190141e-07, x1 =
9.993108648067539e-01, x2 = 9.986181366720682e-01 第6640次迭代 f(x_6640)
=4.757988386735528e-07, x1 = 9.993103364038394e-01, x2 = 9.986198718746989e-01 第6641次
迭代 f(x_6641)=4.750348660068817e-07, x1 = 9.993119585116738e-01, x2 =
9.986203484245006e-01 第6642次迭代 f(x_6642)=4.742726573134366e-07, x1 =
9.993114474768374e-01, x2 = 9.986220726009257e-01 第6643次迭代 f(x_6643)
=4.735127242429106e-07, x1 = 9.993130505972044e-01, x2 = 9.986225565751972e-01 第6644次
迭代 f(x_6644)=4.727512277546086e-07, x1 = 9.993125447778513e-01, x2 =
9.986243109697625e-01 第6645次迭代 f(x_6645)=4.719905938454085e-07, x1 =
9.993141775816943e-01, x2 = 9.986247780420046e-01 第6646次迭代 f(x_6646)
=4.712346475710720e-07, x1 = 9.993136524067321e-01, x2 = 9.986265045533779e-01 第6647次
迭代 f(x_6647)=4.704780767820722e-07, x1 = 9.993152660389776e-01, x2 =
9.986269791486467e-01 第6648次迭代 f(x_6648)=4.697231311878480e-07, x1 =
9.993147581139605e-01, x2 = 9.986286947041765e-01 第6649次迭代 f(x_6649)
=4.689705567078797e-07, x1 = 9.993163528842196e-01, x2 = 9.986291766711338e-01 第6650次

迭代 $f(x_{6650}) = 4.682162985500384e-07$, $x_1 = 9.993158501308208e-01$, $x_2 = 9.986309223088323e-01$ 第6651次迭代 $f(x_{6651}) = 4.674630313129777e-07$, $x_1 = 9.993174744474462e-01$, $x_2 = 9.986313874522924e-01$ 第6652次迭代 $f(x_{6652}) = 4.667142908669691e-07$, $x_1 = 9.993169524108012e-01$, $x_2 = 9.986331053512962e-01$ 第6653次迭代 $f(x_{6653}) = 4.659650432984154e-07$, $x_1 = 9.993185576817177e-01$, $x_2 = 9.986335779647662e-01$ 第6654次迭代 $f(x_{6654}) = 4.652172974674325e-07$, $x_1 = 9.993180527789182e-01$, $x_2 = 9.986352849772177e-01$ 第6655次迭代 $f(x_{6655}) = 4.644720036200231e-07$, $x_1 = 9.993196393112739e-01$, $x_2 = 9.986357649105739e-01$ 第6656次迭代 $f(x_{6656}) = 4.637249230472900e-07$, $x_1 = 9.993191395361666e-01$, $x_2 = 9.986375018700139e-01$ 第6657次迭代 $f(x_{6657}) = 4.629789440724410e-07$, $x_1 = 9.993207554802048e-01$, $x_2 = 9.986379650571447e-01$ 第6658次迭代 $f(x_{6658}) = 4.622373467483801e-07$, $x_1 = 9.993202364938251e-01$, $x_2 = 9.986396744217109e-01$ 第6659次迭代 $f(x_{6659}) = 4.614953446940433e-07$, $x_1 = 9.993218335159819e-01$, $x_2 = 9.986401450268169e-01$ 第6660次迭代 $f(x_{6660}) = 4.607547357356690e-07$, $x_1 = 9.993213315493459e-01$, $x_2 = 9.986418435730692e-01$ 第6661次迭代 $f(x_{6661}) = 4.600166454992426e-07$, $x_1 = 9.993229099543481e-01$, $x_2 = 9.986423214472208e-01$ 第6662次迭代 $f(x_{6662}) = 4.592766821273507e-07$, $x_1 = 9.993224130714181e-01$, $x_2 = 9.986440498060679e-01$ 第6663次迭代 $f(x_{6663}) = 4.585379139547516e-07$, $x_1 = 9.993240207558090e-01$, $x_2 = 9.986445110100237e-01$ 第6664次迭代 $f(x_{6664}) = 4.578033974845499e-07$, $x_1 = 9.993235047331908e-01$, $x_2 = 9.986462119171461e-01$ 第6665次迭代 $f(x_{6665}) = 4.570685641739471e-07$, $x_1 = 9.993250936175024e-01$, $x_2 = 9.986466804880066e-01$ 第6666次迭代 $f(x_{6666}) = 4.563350296443119e-07$, $x_1 = 9.993245945024885e-01$, $x_2 = 9.986483706440189e-01$ 第6667次迭代 $f(x_{6667}) = 4.556040669189199e-07$, $x_1 = 9.993261648890672e-01$, $x_2 = 9.986488464340282e-01$ 第6668次迭代 $f(x_{6668}) = 4.548711607282999e-07$, $x_1 = 9.993256708137143e-01$, $x_2 = 9.986505662690243e-01$ 第6669次迭代 $f(x_{6669}) = 4.541395268325706e-07$, $x_1 = 9.993272703497428e-01$, $x_2 = 9.986510254636429e-01$ 第6670次迭代 $f(x_{6670}) = 4.534120293876144e-07$, $x_1 = 9.993267572058956e-01$, $x_2 = 9.986527179893960e-01$ 第6671次迭代 $f(x_{6671}) = 4.526842889701896e-07$, $x_1 = 9.993283380616562e-01$, $x_2 = 9.986531845007965e-01$ 第6672次迭代 $f(x_{6672}) = 4.519577668727562e-07$, $x_1 = 9.993278417152029e-01$, $x_2 = 9.986548663416254e-01$ 第6673次迭代 $f(x_{6673}) = 4.512338564648502e-07$, $x_1 = 9.993294041907017e-01$, $x_2 = 9.986553400232056e-01$ 第6674次迭代 $f(x_{6674}) = 4.505079478040764e-07$, $x_1 = 9.993289128398070e-01$, $x_2 = 9.986570514101855e-01$ 第6675次迭代 $f(x_{6675}) = 4.497833725788903e-07$, $x_1 = 9.993305043371367e-01$, $x_2 = 9.986575085699732e-01$ 第6676次迭代 $f(x_{6676}) = 4.490628327708930e-07$, $x_1 = 9.993299939885513e-01$, $x_2 = 9.986591927895287e-01$ 第6677次迭代 $f(x_{6677}) = 4.483421103016994e-07$, $x_1 = 9.993315669234677e-01$, $x_2 = 9.986596572169060e-01$ 第6678次迭代 $f(x_{6678}) = 4.476225390882606e-07$, $x_1 = 9.993310732639609e-01$, $x_2 = 9.986613308167224e-01$ 第6679次迭代 $f(x_{6679}) = 4.469056066962849e-07$, $x_1 = 9.993326279341687e-01$, $x_2 = 9.986618023662212e-01$ 第6680次迭代 $f(x_{6680}) = 4.461866362859816e-07$, $x_1 = 9.993321392260622e-01$, $x_2 = 9.986635053801296e-01$ 第6681次迭代 $f(x_{6681}) = 4.454690450292510e-07$, $x_1 = 9.993337227927688e-01$, $x_2 = 9.986639604802444e-01$ 第6682次迭代 $f(x_{6682}) = 4.447554019111611e-07$, $x_1 = 9.993332151573846e-01$, $x_2 = 9.986656364678885e-01$ 第6683次迭代 $f(x_{6683}) = 4.440416233361311e-07$, $x_1 = 9.993347802776084e-01$, $x_2 = 9.986660987873149e-01$ 第6684次迭代 $f(x_{6684}) = 4.433289419066648e-07$, $x_1 = 9.993342892248508e-01$, $x_2 = 9.986677642194207e-01$ 第6685次迭代 $f(x_{6685}) = 4.426189141073533e-07$, $x_1 = 9.993358361940340e-01$, $x_2 = 9.986682336138059e-01$ 第6686次迭代 $f(x_{6686}) = 4.419068230428470e-07$, $x_1 = 9.993353500484631e-01$, $x_2 = 9.986699283287144e-01$ 第6687次迭代 $f(x_{6687}) = 4.411961419424445e-07$, $x_1 =$

9.993369257910670e-01, x2 = 9.986703813449506e-01 第6688次迭代 f(x_6688)
=4.404893350090355e-07, x1 = 9.993364207882400e-01, x2 = 9.986720491741006e-01 第6689次
迭代 f(x_6689) =4.397824271507236e-07, x1 = 9.993379781984005e-01, x2 =
9.986725093622688e-01 第6690次迭代 f(x_6690) =4.390765748548944e-07, x1 =
9.993374896735787e-01, x2 = 9.986741666991132e-01 第6691次迭代 f(x_6691)
=4.383733790886702e-07, x1 = 9.993390290445135e-01, x2 = 9.986746339159568e-01 第6692次
迭代 f(x_6692) =4.376681088426495e-07, x1 = 9.993385453826115e-01, x2 =
9.986763204050801e-01 第6693次迭代 f(x_6693) =4.369642649617735e-07, x1 =
9.993401134061102e-01, x2 = 9.986767713138530e-01 第6694次迭代 f(x_6694)
=4.362642341506235e-07, x1 = 9.993396109565817e-01, x2 = 9.986784310570737e-01 第6695次
迭代 f(x_6695) =4.355641246942068e-07, x1 = 9.993411607598173e-01, x2 =
9.986788890912817e-01 第6696次迭代 f(x_6696) =4.348650413308435e-07, x1 =
9.993406746854723e-01, x2 = 9.986805384044775e-01 第6697次迭代 f(x_6697)
=4.341686058887557e-07, x1 = 9.993422065594748e-01, x2 = 9.986810034219413e-01 第6698次
迭代 f(x_6698) =4.334700983143014e-07, x1 = 9.993417253037300e-01, x2 =
9.986826817576536e-01 第6699次迭代 f(x_6699) =4.327730195776884e-07, x1 =
9.993432857116294e-01, x2 = 9.986831305359843e-01 第6700次迭代 f(x_6700)
=4.320797052687915e-07, x1 = 9.993427857374964e-01, x2 = 9.986847822650038e-01 第6701次
迭代 f(x_6701) =4.313863227488997e-07, x1 = 9.993443280354845e-01, x2 =
9.986852381231400e-01 第6702次迭代 f(x_6702) =4.306939485663831e-07, x1 =
9.993438443354820e-01, x2 = 9.986868794834787e-01 第6703次迭代 f(x_6703)
=4.300042025766064e-07, x1 = 9.993453688124377e-01, x2 = 9.986873422803006e-01 第6704次
迭代 f(x_6704) =4.293123999092672e-07, x1 = 9.993448898866651e-01, x2 =
9.986890125341503e-01 第6705次迭代 f(x_6705) =4.286220150897717e-07, x1 =
9.993464427810093e-01, x2 = 9.986894591596517e-01 第6706次迭代 f(x_6706)
=4.279353581063070e-07, x1 = 9.993459452056944e-01, x2 = 9.986911029453766e-01 第6707次
迭代 f(x_6707) =4.272486318934080e-07, x1 = 9.993474800986809e-01, x2 =
9.986915566059062e-01 第6708次迭代 f(x_6708) =4.265629075895194e-07, x1 =
9.993469986981833e-01, x2 = 9.986931900833731e-01 第6709次迭代 f(x_6709)
=4.258797810046246e-07, x1 = 9.993485158765765e-01, x2 = 9.986936506388528e-01 第6710次
迭代 f(x_6710) =4.251946258646533e-07, x1 = 9.993480392058883e-01, x2 =
9.986953128815783e-01 第6711次迭代 f(x_6711) =4.245108645697205e-07, x1 =
9.993495846872894e-01, x2 = 9.986957573324405e-01 第6712次迭代 f(x_6712)
=4.238308061779219e-07, x1 = 9.993490894355127e-01, x2 = 9.986973932449718e-01 第6713次
迭代 f(x_6713) =4.231506664654663e-07, x1 = 9.993506170223421e-01, x2 =
9.986978446869226e-01 第6714次迭代 f(x_6714) =4.224715331871471e-07, x1 =
9.993501378477793e-01, x2 = 9.986994703507117e-01 第6715次迭代 f(x_6715)
=4.217949567714011e-07, x1 = 9.993516478247210e-01, x2 = 9.986999286446973e-01 第6716次
迭代 f(x_6716) =4.211163921661440e-07, x1 = 9.993511733354981e-01, x2 =
9.987015829462415e-01 第6717次迭代 f(x_6717) =4.204391848250462e-07, x1 =
9.993527115031663e-01, x2 = 9.987020252012179e-01 第6718次迭代 f(x_6718)
=4.197656667334889e-07, x1 = 9.993522185009166e-01, x2 = 9.987036533098652e-01 第6719次
迭代 f(x_6719) =4.190920445252580e-07, x1 = 9.993537388790596e-01, x2 =
9.987041025128144e-01 第6720次迭代 f(x_6720) =4.184194438682137e-07, x1 =
9.993532618581019e-01, x2 = 9.987057204313436e-01 第6721次迭代 f(x_6721)
=4.177493491852820e-07, x1 = 9.993547647293587e-01, x2 = 9.987061764442181e-01 第6722次
迭代 f(x_6722) =4.170773185094897e-07, x1 = 9.993542923492237e-01, x2 =
9.987078228737438e-01 第6723次迭代 f(x_6723) =4.164065963606895e-07, x1 =
9.993558233009946e-01, x2 = 9.987082629121379e-01 第6724次迭代 f(x_6724)
=4.157395607208664e-07, x1 = 9.993553324755021e-01, x2 = 9.987098832854344e-01 第6725次

迭代 $f(x_{6725}) = 4.150723878189072e-07$, $x_1 = 9.993568457410839e-01$, $x_2 = 9.987103302294944e-01$ 第6726次迭代 $f(x_{6726}) = 4.144062618271468e-07$, $x_1 = 9.993563708026150e-01$, $x_2 = 9.987119404704190e-01$ 第6727次迭代 $f(x_{6727}) = 4.137425812277982e-07$, $x_1 = 9.993578666626352e-01$, $x_2 = 9.987123941830877e-01$ 第6728次迭代 $f(x_{6728}) = 4.130770282666856e-07$, $x_1 = 9.993573963204252e-01$, $x_2 = 9.987140328089908e-01$ 第6729次迭代 $f(x_{6729}) = 4.124127233450376e-07$, $x_1 = 9.993589201527880e-01$, $x_2 = 9.987144706106427e-01$ 第6730次迭代 $f(x_{6730}) = 4.117521127507259e-07$, $x_1 = 9.993584314324977e-01$, $x_2 = 9.987160833163589e-01$ 第6731次迭代 $f(x_{6731}) = 4.110913217425814e-07$, $x_1 = 9.993599376803245e-01$, $x_2 = 9.987165279821657e-01$ 第6732次迭代 $f(x_{6732}) = 4.104316129080629e-07$, $x_1 = 9.993594647544156e-01$, $x_2 = 9.987181306123921e-01$ 第6733次迭代 $f(x_{6733}) = 4.097742795185358e-07$, $x_1 = 9.993609536963560e-01$, $x_2 = 9.987185820062700e-01$ 第6734次迭代 $f(x_{6734}) = 4.091151484480986e-07$, $x_1 = 9.993604853220970e-01$, $x_2 = 9.987202128961938e-01$ 第6735次迭代 $f(x_{6735}) = 4.084571935733434e-07$, $x_1 = 9.993620021302211e-01$, $x_2 = 9.987206484414676e-01$ 第6736次迭代 $f(x_{6736}) = 4.078029510599600e-07$, $x_1 = 9.993615154447664e-01$, $x_2 = 9.987222535466251e-01$ 第6737次迭代 $f(x_{6737}) = 4.071484753073718e-07$, $x_1 = 9.993630147683525e-01$, $x_2 = 9.987226959153250e-01$ 第6738次迭代 $f(x_{6738}) = 4.064951265690490e-07$, $x_1 = 9.993625437862362e-01$, $x_2 = 9.987242910010249e-01$ 第6739次迭代 $f(x_{6739}) = 4.058440742794141e-07$, $x_1 = 9.993640259019888e-01$, $x_2 = 9.987247400580241e-01$ 第6740次迭代 $f(x_{6740}) = 4.051913096682233e-07$, $x_1 = 9.993635594268684e-01$, $x_2 = 9.987263632788733e-01$ 第6741次迭代 $f(x_{6741}) = 4.045396384325249e-07$, $x_1 = 9.993650693046313e-01$, $x_2 = 9.987267965486440e-01$ 第6742次迭代 $f(x_{6742}) = 4.038917074764978e-07$, $x_1 = 9.993645845848076e-01$, $x_2 = 9.987283941195302e-01$ 第6743次迭代 $f(x_{6743}) = 4.032434811034796e-07$, $x_1 = 9.993660770764019e-01$, $x_2 = 9.987288341727673e-01$ 第6744次迭代 $f(x_{6744}) = 4.025964358464308e-07$, $x_1 = 9.993656079704470e-01$, $x_2 = 9.987304217793908e-01$ 第6745次迭代 $f(x_{6745}) = 4.019515992991482e-07$, $x_1 = 9.993670833506637e-01$, $x_2 = 9.987308684819087e-01$ 第6746次迭代 $f(x_{6746}) = 4.013051461088353e-07$, $x_1 = 9.993666187070074e-01$, $x_2 = 9.987324840998623e-01$ 第6747次迭代 $f(x_{6747}) = 4.006596928656133e-07$, $x_1 = 9.993681217470193e-01$, $x_2 = 9.987329150755038e-01$ 第6748次迭代 $f(x_{6748}) = 4.000180173834768e-07$, $x_1 = 9.993676389247603e-01$, $x_2 = 9.987345051776837e-01$ 第6749次迭代 $f(x_{6749}) = 3.993759752653044e-07$, $x_1 = 9.993691246753703e-01$, $x_2 = 9.987349428975884e-01$ 第6750次迭代 $f(x_{6750}) = 3.987351773202248e-07$, $x_1 = 9.993686573790576e-01$, $x_2 = 9.987365230898768e-01$ 第6751次迭代 $f(x_{6751}) = 3.980964918992900e-07$, $x_1 = 9.993701261131753e-01$, $x_2 = 9.987369674207840e-01$ 第6752次迭代 $f(x_{6752}) = 3.974562954857382e-07$, $x_1 = 9.993696632344211e-01$, $x_2 = 9.987385755013083e-01$ 第6753次迭代 $f(x_{6753}) = 3.968169953378349e-07$, $x_1 = 9.993711595280513e-01$, $x_2 = 9.987390041646814e-01$ 第6754次迭代 $f(x_{6754}) = 3.961815196860320e-07$, $x_1 = 9.993706785364030e-01$, $x_2 = 9.987405868630117e-01$ 第6755次迭代 $f(x_{6755}) = 3.955455974378345e-07$, $x_1 = 9.993721576358209e-01$, $x_2 = 9.987410222321882e-01$ 第6756次迭代 $f(x_{6756}) = 3.949109910792860e-07$, $x_1 = 9.993716920837191e-01$, $x_2 = 9.987425950741872e-01$ 第6757次迭代 $f(x_{6757}) = 3.942783928989436e-07$, $x_1 = 9.993731542599839e-01$, $x_2 = 9.987430370168168e-01$ 第6758次迭代 $f(x_{6758}) = 3.936443990125893e-07$, $x_1 = 9.993726930806593e-01$, $x_2 = 9.987446376246782e-01$ 第6759次迭代 $f(x_{6759}) = 3.930111878018085e-07$, $x_1 = 9.993741827180598e-01$, $x_2 = 9.987450639581189e-01$ 第6760次迭代 $f(x_{6760}) = 3.923818567750908e-07$, $x_1 = 9.993737034911578e-01$, $x_2 = 9.987466393167600e-01$ 第6761次迭代 $f(x_{6761}) = 3.917519907409492e-07$, $x_1 = 9.993751760279839e-01$, $x_2 = 9.987470723182759e-01$ 第6762次迭代 $f(x_{6762}) = 3.911235206869835e-07$, $x_1 =$

9.993747121557264e-01, x2 = 9.987486378733472e-01 第6763次迭代 f(x_6763)
=3.904969465818514e-07, x1 = 9.993761678612174e-01, x2 = 9.987490774114824e-01 第6764次
迭代 f(x_6764)=3.898691013685094e-07, x1 = 9.993757083169144e-01, x2 =
9.987506706107608e-01 第6765次迭代 f(x_6765)=3.892419156638410e-07, x1 =
9.993771913870459e-01, x2 = 9.987510945970682e-01 第6766次迭代 f(x_6766)
=3.886186744947914e-07, x1 = 9.993767138600905e-01, x2 = 9.987526626794974e-01 第6767次
迭代 f(x_6767)=3.879948017374748e-07, x1 = 9.993781799217584e-01, x2 =
9.987530932968708e-01 第6768次迭代 f(x_6768)=3.873724131479594e-07, x1 =
9.993777176660188e-01, x2 = 9.987546516277058e-01 第6769次迭代 f(x_6769)
=3.867518006618034e-07, x1 = 9.993791669866723e-01, x2 = 9.987550887455694e-01 第6770次
迭代 f(x_6770)=3.861300506629168e-07, x1 = 9.993787090140248e-01, x2 =
9.987566745996694e-01 第6771次迭代 f(x_6771)=3.855088277507433e-07, x1 =
9.993801856046802e-01, x2 = 9.987570962220947e-01 第6772次迭代 f(x_6772)
=3.848916221077537e-07, x1 = 9.993797097139140e-01, x2 = 9.987586570911183e-01 第6773次
迭代 f(x_6773)=3.842736803977306e-07, x1 = 9.993811693867125e-01, x2 =
9.987590853083083e-01 第6774次迭代 f(x_6774)=3.836573188733505e-07, x1 =
9.993807086851841e-01, x2 = 9.987606364769387e-01 第6775次迭代 f(x_6775)
=3.830426062490527e-07, x1 = 9.993821517058151e-01, x2 = 9.987610711591827e-01 第6776次
迭代 f(x_6776)=3.824268984019861e-07, x1 = 9.993816952424773e-01, x2 =
9.987626497308457e-01 第6777次迭代 f(x_6777)=3.818115762750944e-07, x1 =
9.993831654403035e-01, x2 = 9.987630689730816e-01 第6778次迭代 f(x_6778)
=3.812003522623700e-07, x1 = 9.993826911229894e-01, x2 = 9.987646226908462e-01 第6779次
迭代 f(x_6779)=3.805882800679747e-07, x1 = 9.993841444920862e-01, x2 =
9.987650484922413e-01 第6780次迭代 f(x_6780)=3.799778916486552e-07, x1 =
9.993836852834588e-01, x2 = 9.987665925600516e-01 第6781次迭代 f(x_6781)
=3.793690178185607e-07, x1 = 9.993851220877840e-01, x2 = 9.987670247917461e-01 第6782次
迭代 f(x_6782)=3.787592994566513e-07, x1 = 9.993846670724074e-01, x2 =
9.987685961430626e-01 第6783次迭代 f(x_6783)=3.781498168039612e-07, x1 =
9.993861309629294e-01, x2 = 9.987690129892323e-01 第6784次迭代 f(x_6784)
=3.775445209590421e-07, x1 = 9.993856581573287e-01, x2 = 9.987705596172369e-01 第6785次
迭代 f(x_6785)=3.769382574363598e-07, x1 = 9.993871053067916e-01, x2 =
9.987709829876454e-01 第6786次迭代 f(x_6786)=3.763337885998548e-07, x1 =
9.993866475307310e-01, x2 = 9.987725200153835e-01 第6787次迭代 f(x_6787)
=3.757306931755951e-07, x1 = 9.993880782013896e-01, x2 = 9.987729497820071e-01 第6788次
迭代 f(x_6788)=3.751269120279057e-07, x1 = 9.993876245736032e-01, x2 =
9.987745139744273e-01 第6789次迭代 f(x_6789)=3.745232082248464e-07, x1 =
9.993890822412453e-01, x2 = 9.987749284090746e-01 第6790次迭代 f(x_6790)
=3.739237875180264e-07, x1 = 9.993886108865961e-01, x2 = 9.987764680081822e-01 第6791次
迭代 f(x_6791)=3.733232725011784e-07, x1 = 9.993900518994153e-01, x2 =
9.987768889328211e-01 第6792次迭代 f(x_6792)=3.727246701615449e-07, x1 =
9.993895954965419e-01, x2 = 9.987784189806100e-01 第6793次迭代 f(x_6793)
=3.721272934248243e-07, x1 = 9.993910201151183e-01, x2 = 9.987788462680397e-01 第6794次
迭代 f(x_6794)=3.715293976165604e-07, x1 = 9.993905678155048e-01, x2 =
9.987804033623855e-01 第6795次迭代 f(x_6795)=3.709314127149820e-07, x1 =
9.993920193436139e-01, x2 = 9.987808153704629e-01 第6796次迭代 f(x_6796)
=3.703378145475957e-07, x1 = 9.993915493801094e-01, x2 = 9.987823480009114e-01 第6797次
迭代 f(x_6797)=3.697429885388068e-07, x1 = 9.993929843382190e-01, x2 =
9.987827664653967e-01 第6798次迭代 f(x_6798)=3.691502000448331e-07, x1 =
9.993925292500874e-01, x2 = 9.987842895927457e-01 第6799次迭代 f(x_6799)
=3.685584829375745e-07, x1 = 9.993939478971303e-01, x2 = 9.987847143872467e-01 第6800次

迭代 $f(x_{6800}) = 3.679664209890466e-07$, $x_1 = 9.993934968672092e-01$, $x_2 = 9.987862644437221e-01$ 第6801次迭代 $f(x_{6801}) = 3.673740957077440e-07$, $x_1 = 9.993949423380739e-01$, $x_2 = 9.987866740105831e-01$ 第6802次迭代 $f(x_{6802}) = 3.667861330916890e-07$, $x_1 = 9.993944790489286e-01$, $x_2 = 9.987881823397833e-01$ 第6803次迭代 $f(x_{6803}) = 3.661987222020474e-07$, $x_1 = 9.993958870686802e-01$, $x_2 = 9.987886088087654e-01$ 第6804次迭代 $f(x_{6804}) = 3.656098152636775e-07$, $x_1 = 9.993954436488314e-01$, $x_2 = 9.987901508172367e-01$ 第6805次迭代 $f(x_{6805}) = 3.650218290089377e-07$, $x_1 = 9.993968782451778e-01$, $x_2 = 9.987905621879313e-01$ 第6806次迭代 $f(x_{6806}) = 3.644372906325967e-07$, $x_1 = 9.993964172958095e-01$, $x_2 = 9.987920799316953e-01$ 第6807次迭代 $f(x_{6807}) = 3.638523954942175e-07$, $x_1 = 9.993978355695786e-01$, $x_2 = 9.987924976497718e-01$ 第6808次迭代 $f(x_{6808}) = 3.632686687107618e-07$, $x_1 = 9.993973892630265e-01$, $x_2 = 9.987940060232260e-01$ 第6809次迭代 $f(x_{6809}) = 3.626868161354628e-07$, $x_1 = 9.993987914686938e-01$, $x_2 = 9.987944299644954e-01$ 第6810次迭代 $f(x_{6810}) = 3.621036634535763e-07$, $x_1 = 9.993983491973113e-01$, $x_2 = 9.987959650469564e-01$ 第6811次迭代 $f(x_{6811}) = 3.615212349152464e-07$, $x_1 = 9.993997778973136e-01$, $x_2 = 9.987963739398552e-01$ 第6812次迭代 $f(x_{6812}) = 3.609423848665490e-07$, $x_1 = 9.993993181583559e-01$, $x_2 = 9.987978848854794e-01$ 第6813次迭代 $f(x_{6813}) = 3.603630188802843e-07$, $x_1 = 9.994007306164038e-01$, $x_2 = 9.987983000941619e-01$ 第6814次迭代 $f(x_{6814}) = 3.597849714654554e-07$, $x_1 = 9.994002854479189e-01$, $x_2 = 9.987998017155385e-01$ 第6815次迭代 $f(x_{6815}) = 3.592086199588061e-07$, $x_1 = 9.994016819169227e-01$, $x_2 = 9.988002231165840e-01$ 第6816次迭代 $f(x_{6816}) = 3.586311709893962e-07$, $x_1 = 9.994012407383954e-01$, $x_2 = 9.988017513314073e-01$ 第6817次迭代 $f(x_{6817}) = 3.580542427197433e-07$, $x_1 = 9.994026636211449e-01$, $x_2 = 9.988021577331219e-01$ 第6818次迭代 $f(x_{6818}) = 3.574810298799778e-07$, $x_1 = 9.994022050365984e-01$, $x_2 = 9.988036619384075e-01$ 第6819次迭代 $f(x_{6819}) = 3.569071360165271e-07$, $x_1 = 9.994036117566905e-01$, $x_2 = 9.988040746249283e-01$ 第6820次迭代 $f(x_{6820}) = 3.563347168145643e-07$, $x_1 = 9.994031676715498e-01$, $x_2 = 9.988055695513429e-01$ 第6821次迭代 $f(x_{6821}) = 3.557638097562278e-07$, $x_1 = 9.994045584803550e-01$, $x_2 = 9.988059884000043e-01$ 第6822次迭代 $f(x_{6822}) = 3.551920143516475e-07$, $x_1 = 9.994041183399285e-01$, $x_2 = 9.988075098049862e-01$ 第6823次迭代 $f(x_{6823}) = 3.546205295340679e-07$, $x_1 = 9.994055354835402e-01$, $x_2 = 9.988079137024898e-01$ 第6824次迭代 $f(x_{6824}) = 3.540529032093616e-07$, $x_1 = 9.994050779982631e-01$, $x_2 = 9.988094112246655e-01$ 第6825次迭代 $f(x_{6825}) = 3.534844250636694e-07$, $x_1 = 9.994064790572077e-01$, $x_2 = 9.988098213766086e-01$ 第6826次迭代 $f(x_{6826}) = 3.529175833465848e-07$, $x_1 = 9.994060360015269e-01$, $x_2 = 9.988113096646141e-01$ 第6827次迭代 $f(x_{6827}) = 3.523520647334578e-07$, $x_1 = 9.994074212256606e-01$, $x_2 = 9.988117259490742e-01$ 第6828次迭代 $f(x_{6828}) = 3.517858731411709e-07$, $x_1 = 9.994069820694196e-01$, $x_2 = 9.988132406014448e-01$ 第6829次迭代 $f(x_{6829}) = 3.512197755812221e-07$, $x_1 = 9.994083935510508e-01$, $x_2 = 9.988136419820638e-01$ 第6830次迭代 $f(x_{6830}) = 3.506576855011386e-07$, $x_1 = 9.994079371107408e-01$, $x_2 = 9.988151328777952e-01$ 第6831次迭代 $f(x_{6831}) = 3.500945672834774e-07$, $x_1 = 9.994093325844087e-01$, $x_2 = 9.988155404830884e-01$ 第6832次迭代 $f(x_{6832}) = 3.495332527496400e-07$, $x_1 = 9.994088905051227e-01$, $x_2 = 9.988170221886850e-01$ 第6833次迭代 $f(x_{6833}) = 3.489730671869454e-07$, $x_1 = 9.994102702191942e-01$, $x_2 = 9.988174358974601e-01$ 第6834次迭代 $f(x_{6834}) = 3.484124300488125e-07$, $x_1 = 9.994098319940433e-01$, $x_2 = 9.988189438538936e-01$ 第6835次迭代 $f(x_{6835}) = 3.478516641660375e-07$, $x_1 = 9.994112378899134e-01$, $x_2 = 9.988193427052980e-01$ 第6836次迭代 $f(x_{6836}) = 3.472950604815369e-07$, $x_1 = 9.994107824410885e-01$, $x_2 = 9.988208270306985e-01$ 第6837次迭代 $f(x_{6837}) = 3.467372470087874e-07$, $x_1 =$

9.994121724044314e-01, x2 = 9.988212320776039e-01 第6838次迭代 f(x_6838)
=3.461814097808099e-07, x1 = 9.994117312492775e-01, x2 = 9.988227072562482e-01 第6839次
迭代 f(x_6839)=3.456265024738693e-07, x1 = 9.994131055269949e-01, x2 =
9.988231183781805e-01 第6840次迭代 f(x_6840)=3.450713708255911e-07, x1 =
9.994126681806419e-01, x2 = 9.988246196948037e-01 第6841次迭代 f(x_6841)
=3.445158816446221e-07, x1 = 9.994140685660500e-01, x2 = 9.988250160049994e-01 第6842次
迭代 f(x_6842)=3.439645782705910e-07, x1 = 9.994136192371447e-01, x2 =
9.988264769695764e-01 第6843次迭代 f(x_6843)=3.434136906479312e-07, x1 =
9.994149834473216e-01, x2 = 9.988268896014095e-01 第6844次迭代 f(x_6844)
=3.428615390986085e-07, x1 = 9.994145532443010e-01, x2 = 9.988283832377248e-01 第6845次
迭代 f(x_6845)=3.423100995259362e-07, x1 = 9.994159433276845e-01, x2 =
9.988287811806211e-01 第6846次迭代 f(x_6846)=3.417620332111206e-07, x1 =
9.994154960309477e-01, x2 = 9.988302513788625e-01 第6847次迭代 f(x_6847)
=3.412134843831416e-07, x1 = 9.994168704097277e-01, x2 = 9.988306554175125e-01 第6848次
迭代 f(x_6848)=3.406661847276212e-07, x1 = 9.994164371930039e-01, x2 =
9.988321165918176e-01 第6849次迭代 f(x_6849)=3.401204816764515e-07, x1 =
9.994177961100033e-01, x2 = 9.988325266077623e-01 第6850次迭代 f(x_6850)
=3.395737593976771e-07, x1 = 9.994173666777887e-01, x2 = 9.988340137078856e-01 第6851次
迭代 f(x_6851)=3.390275023572320e-07, x1 = 9.994187513970154e-01, x2 =
9.988344090788953e-01 第6852次迭代 f(x_6852)=3.384847949125642e-07, x1 =
9.994183049304668e-01, x2 = 9.988358728650643e-01 第6853次迭代 f(x_6853)
=3.379414028542224e-07, x1 = 9.994196740167581e-01, x2 = 9.988362743044276e-01 第6854次
迭代 f(x_6854)=3.373994527952073e-07, x1 = 9.994192415665043e-01, x2 =
9.988377291080985e-01 第6855次迭代 f(x_6855)=3.368588811653303e-07, x1 =
9.994205952612913e-01, x2 = 9.988381364980383e-01 第6856次迭代 f(x_6856)
=3.363175401356262e-07, x1 = 9.994201665500798e-01, x2 = 9.988396171164681e-01 第6857次
迭代 f(x_6857)=3.357764123135493e-07, x1 = 9.994215459776455e-01, x2 =
9.988400099046691e-01 第6858次迭代 f(x_6858)=3.352390153428958e-07, x1 =
9.994211002910979e-01, x2 = 9.988414673327152e-01 第6859次迭代 f(x_6859)
=3.347007271110110e-07, x1 = 9.994224641562034e-01, x2 = 9.988418661624251e-01 第6860次
迭代 f(x_6860)=3.341640782360076e-07, x1 = 9.994220324233783e-01, x2 =
9.988433146487924e-01 第6861次迭代 f(x_6861)=3.336285854467838e-07, x1 =
9.994233809660856e-01, x2 = 9.988437194029046e-01 第6862次迭代 f(x_6862)
=3.330925780360082e-07, x1 = 9.994229529268103e-01, x2 = 9.988451935936282e-01 第6863次
迭代 f(x_6863)=3.325565266926369e-07, x1 = 9.994243271343597e-01, x2 =
9.988455837884017e-01 第6864次迭代 f(x_6864)=3.320243922133945e-07, x1 =
9.994238821783625e-01, x2 = 9.988470349117665e-01 第6865次迭代 f(x_6865)
=3.314911554330793e-07, x1 = 9.994252408927514e-01, x2 = 9.988474311217509e-01 第6866次
迭代 f(x_6866)=3.309597597450676e-07, x1 = 9.994248098290337e-01, x2 =
9.988488733436464e-01 第6867次迭代 f(x_6867)=3.304292937781040e-07, x1 =
9.994261532889774e-01, x2 = 9.988492754523947e-01 第6868次迭代 f(x_6868)
=3.298985727463817e-07, x1 = 9.994257258732908e-01, x2 = 9.988507432688977e-01 第6869次
迭代 f(x_6869)=3.293675457082861e-07, x1 = 9.994270949316356e-01, x2 =
9.988511308599195e-01 第6870次迭代 f(x_6870)=3.288404971220330e-07, x1 =
9.994266557218899e-01, x2 = 9.988525592609675e-01 第6871次迭代 f(x_6871)
=3.283138611159060e-07, x1 = 9.994279894926049e-01, x2 = 9.988529627689832e-01 第6872次
迭代 f(x_6872)=3.277860041733931e-07, x1 = 9.994275689052797e-01, x2 =
9.988544231541384e-01 第6873次迭代 f(x_6873)=3.272588351005206e-07, x1 =
9.994289280485865e-01, x2 = 9.988548122627664e-01 第6874次迭代 f(x_6874)
=3.267348906357513e-07, x1 = 9.994284906714012e-01, x2 = 9.988562497693237e-01 第6875次

迭代 $f(x_{6875}) = 3.262104784347369e-07$, $x_1 = 9.994298345365669e-01$, $x_2 = 9.988566447995474e-01$ 第6876次迭代 $f(x_{6876}) = 3.256872718877201e-07$, $x_1 = 9.994294108505034e-01$, $x_2 = 9.988580735208505e-01$ 第6877次迭代 $f(x_{6877}) = 3.251655739816644e-07$, $x_1 = 9.994307396724131e-01$, $x_2 = 9.988584743581138e-01$ 第6878次迭代 $f(x_{6878}) = 3.246429295533505e-07$, $x_1 = 9.994303196091902e-01$, $x_2 = 9.988599284673074e-01$ 第6879次迭代 $f(x_{6879}) = 3.241206956422202e-07$, $x_1 = 9.994316737401708e-01$, $x_2 = 9.988603149452689e-01$ 第6880次迭代 $f(x_{6880}) = 3.236018906992093e-07$, $x_1 = 9.994312369447004e-01$, $x_2 = 9.988617462974421e-01$ 第6881次迭代 $f(x_{6881}) = 3.230823897026878e-07$, $x_1 = 9.994325758633491e-01$, $x_2 = 9.988621386723384e-01$ 第6882次迭代 $f(x_{6882}) = 3.225643132378200e-07$, $x_1 = 9.994321527009202e-01$, $x_2 = 9.988635612776647e-01$ 第6883次迭代 $f(x_{6883}) = 3.220475029511788e-07$, $x_1 = 9.994334766408424e-01$, $x_2 = 9.988639594355661e-01$ 第6884次迭代 $f(x_{6884}) = 3.215300247391591e-07$, $x_1 = 9.994330570556228e-01$, $x_2 = 9.988654073207839e-01$ 第6885次迭代 $f(x_{6885}) = 3.210126753688572e-07$, $x_1 = 9.994344062425353e-01$, $x_2 = 9.988657911587099e-01$ 第6886次迭代 $f(x_{6886}) = 3.204989633939956e-07$, $x_1 = 9.994339699823003e-01$, $x_2 = 9.988672164079505e-01$ 第6887次迭代 $f(x_{6887}) = 3.199843233219651e-07$, $x_1 = 9.994353040215815e-01$, $x_2 = 9.988676061186644e-01$ 第6888次迭代 $f(x_{6888}) = 3.194713303815178e-07$, $x_1 = 9.994348813373707e-01$, $x_2 = 9.988690226588890e-01$ 第6889次迭代 $f(x_{6889}) = 3.189593577677865e-07$, $x_1 = 9.994362004613677e-01$, $x_2 = 9.988694181290767e-01$ 第6890次迭代 $f(x_{6890}) = 3.184469998605250e-07$, $x_1 = 9.994357813087130e-01$, $x_2 = 9.988708598418348e-01$ 第6891次迭代 $f(x_{6891}) = 3.179344849483029e-07$, $x_1 = 9.994371256190427e-01$, $x_2 = 9.988712410306224e-01$ 第6892次迭代 $f(x_{6892}) = 3.174258197919251e-07$, $x_1 = 9.994366898482258e-01$, $x_2 = 9.988726602279152e-01$ 第6893次迭代 $f(x_{6893}) = 3.169159908973871e-07$, $x_1 = 9.994380190745318e-01$, $x_2 = 9.988730472658506e-01$ 第6894次迭代 $f(x_{6894}) = 3.164080353292402e-07$, $x_1 = 9.994375968237693e-01$, $x_2 = 9.988744577913897e-01$ 第6895次迭代 $f(x_{6895}) = 3.159008509697830e-07$, $x_1 = 9.994389111971616e-01$, $x_2 = 9.988748505657636e-01$ 第6896次迭代 $f(x_{6896}) = 3.153935678403059e-07$, $x_1 = 9.994384924322801e-01$, $x_2 = 9.988762861571155e-01$ 第6897次迭代 $f(x_{6897}) = 3.148858378346989e-07$, $x_1 = 9.994398319327555e-01$, $x_2 = 9.988766646879217e-01$ 第6898次迭代 $f(x_{6898}) = 3.143820374843080e-07$, $x_1 = 9.994394015686193e-01$, $x_2 = 9.988780617742964e-01$ 第6899次迭代 $f(x_{6899}) = 3.138785040285496e-07$, $x_1 = 9.994407066065933e-01$, $x_2 = 9.988784558477956e-01$ 第6900次迭代 $f(x_{6900}) = 3.133739713055934e-07$, $x_1 = 9.994402943783908e-01$, $x_2 = 9.988798842430782e-01$ 第6901次迭代 $f(x_{6901}) = 3.128699184922062e-07$, $x_1 = 9.994416243257382e-01$, $x_2 = 9.988802641871778e-01$ 第6902次迭代 $f(x_{6902}) = 3.123691076501659e-07$, $x_1 = 9.994411956031836e-01$, $x_2 = 9.988816702516635e-01$ 第6903次迭代 $f(x_{6903}) = 3.118676867993572e-07$, $x_1 = 9.994425106695488e-01$, $x_2 = 9.988820559569718e-01$ 第6904次迭代 $f(x_{6904}) = 3.113675837806747e-07$, $x_1 = 9.994420952774826e-01$, $x_2 = 9.988834534597771e-01$ 第6905次迭代 $f(x_{6905}) = 3.108687544899359e-07$, $x_1 = 9.994433956903740e-01$, $x_2 = 9.988838448153621e-01$ 第6906次迭代 $f(x_{6906}) = 3.103692250627123e-07$, $x_1 = 9.994429837581903e-01$, $x_2 = 9.988852671825496e-01$ 第6907次迭代 $f(x_{6907}) = 3.098698727006321e-07$, $x_1 = 9.994443090239352e-01$, $x_2 = 9.988856444451376e-01$ 第6908次迭代 $f(x_{6908}) = 3.093739902079579e-07$, $x_1 = 9.994438806532632e-01$, $x_2 = 9.988870446006299e-01$ 第6909次迭代 $f(x_{6909}) = 3.088772475090591e-07$, $x_1 = 9.994451910983944e-01$, $x_2 = 9.988874276023001e-01$ 第6910次迭代 $f(x_{6910}) = 3.083820632994265e-07$, $x_1 = 9.994447760053575e-01$, $x_2 = 9.988888192316980e-01$ 第6911次迭代 $f(x_{6911}) = 3.078878901957887e-07$, $x_1 = 9.994460718562078e-01$, $x_2 = 9.988892078620929e-01$ 第6912次迭代 $f(x_{6912}) = 3.073933194728537e-07$, $x_1 =$

9.994456601772836e-01, x2 = 9.988906242508556e-01 第6913次迭代 f(x_6913)
=3.068986194640020e-07, x1 = 9.994469808258255e-01, x2 = 9.988909988239387e-01 第6914次
迭代 f(x_6914)=3.064076205721249e-07, x1 = 9.994465527638996e-01, x2 =
9.988923931195881e-01 第6915次迭代 f(x_6915)=3.059155082414620e-07, x1 =
9.994478586511653e-01, x2 = 9.988927734101031e-01 第6916次迭代 f(x_6916)
=3.054251980974929e-07, x1 = 9.994474438150089e-01, x2 = 9.988941592147069e-01 第6917次
迭代 f(x_6917)=3.049356337049783e-07, x1 = 9.994487351661751e-01, x2 =
9.988945451128614e-01 第6918次迭代 f(x_6918)=3.044459774749420e-07, x1 =
9.994483236983418e-01, x2 = 9.988959555724377e-01 第6919次迭代 f(x_6919)
=3.039558822260995e-07, x1 = 9.994496397933806e-01, x2 = 9.988963274482552e-01 第6920次
迭代 f(x_6920)=3.034695896703969e-07, x1 = 9.994492168742444e-01, x2 =
9.988977001049798e-01 第6921次迭代 f(x_6921)=3.029835406889368e-07, x1 =
9.994504991636214e-01, x2 = 9.988980872245560e-01 第6922次迭代 f(x_6922)
=3.024965495505460e-07, x1 = 9.994500940066365e-01, x2 = 9.988994906698410e-01 第6923次
迭代 f(x_6923)=3.020099946778950e-07, x1 = 9.994514008284842e-01, x2 =
9.988998638780019e-01 第6924次迭代 f(x_6924)=3.015265966842473e-07, x1 =
9.994509794099085e-01, x2 = 9.989012454117161e-01 第6925次迭代 f(x_6925)
=3.010425781626639e-07, x1 = 9.994522716644226e-01, x2 = 9.989016242536780e-01 第6926次
迭代 f(x_6926)=3.005598664923454e-07, x1 = 9.994518632908524e-01, x2 =
9.989029974017518e-01 第6927次迭代 f(x_6927)=3.000783455926634e-07, x1 =
9.994531411997821e-01, x2 = 9.989033817694132e-01 第6928次迭代 f(x_6928)
=2.995961993062629e-07, x1 = 9.994527361678751e-01, x2 = 9.989047793751193e-01 第6929次
迭代 f(x_6929)=2.991141682386303e-07, x1 = 9.994540385580435e-01, x2 =
9.989051498649834e-01 第6930次迭代 f(x_6930)=2.986355388210973e-07, x1 =
9.994536173190542e-01, x2 = 9.989065256763181e-01 第6931次迭代 f(x_6931)
=2.981560230362700e-07, x1 = 9.994549051981729e-01, x2 = 9.989069017797561e-01 第6932次
迭代 f(x_6932)=2.976780703418954e-07, x1 = 9.994544969552580e-01, x2 =
9.989082692389161e-01 第6933次迭代 f(x_6933)=2.972010314178381e-07, x1 =
9.994557705439781e-01, x2 = 9.989086508483622e-01 第6934次迭代 f(x_6934)
=2.967236866998690e-07, x1 = 9.994553655968560e-01, x2 = 9.989100426624296e-01 第6935次
迭代 f(x_6935)=2.962461332249933e-07, x1 = 9.994566636168796e-01, x2 =
9.989104104270098e-01 第6936次迭代 f(x_6936)=2.957721157608441e-07, x1 =
9.994562473170722e-01, x2 = 9.989117649447493e-01 第6937次迭代 f(x_6937)
=2.952984952663712e-07, x1 = 9.994575120486706e-01, x2 = 9.989121477156239e-01 第6938次
迭代 f(x_6938)=2.948237572297785e-07, x1 = 9.994571132418205e-01, x2 =
9.989135326499980e-01 第6939次迭代 f(x_6939)=2.943496461308532e-07, x1 =
9.994584021980988e-01, x2 = 9.989139016844729e-01 第6940次迭代 f(x_6940)
=2.938784402924206e-07, x1 = 9.994579873038066e-01, x2 = 9.989152650038055e-01 第6941次
迭代 f(x_6941)=2.934067951201453e-07, x1 = 9.994592619363374e-01, x2 =
9.989156395713710e-01 第6942次迭代 f(x_6942)=2.929362630731139e-07, x1 =
9.994588598637831e-01, x2 = 9.989169946405293e-01 第6943次迭代 f(x_6943)
=2.924670463660122e-07, x1 = 9.994601203899152e-01, x2 = 9.989173746352483e-01 第6944次
迭代 f(x_6944)=2.919970415540562e-07, x1 = 9.994597215859409e-01, x2 =
9.989187538649426e-01 第6945次迭代 f(x_6945)=2.915273295624218e-07, x1 =
9.994610062893023e-01, x2 = 9.989191201548883e-01 第6946次迭代 f(x_6946)
=2.910607797037997e-07, x1 = 9.994605914514245e-01, x2 = 9.989204778853779e-01 第6947次
迭代 f(x_6947)=2.905935134419913e-07, x1 = 9.994618618844009e-01, x2 =
9.989208496895453e-01 第6948次迭代 f(x_6948)=2.901276277294404e-07, x1 =
9.994614598221351e-01, x2 = 9.989221992018094e-01 第6949次迭代 f(x_6949)
=2.896627700238027e-07, x1 = 9.994627162010318e-01, x2 = 9.989225764147700e-01 第6950次

迭代 $f(x_{6950}) = 2.891974560749327e-07$, $x_1 = 9.994623173614057e-01$, $x_2 = 9.989239499864857e-01$ 第6951次迭代 $f(x_{6951}) = 2.887320983087921e-07$, $x_1 = 9.994635978713341e-01$, $x_2 = 9.989243135256355e-01$ 第6952次迭代 $f(x_{6952}) = 2.882701620286801e-07$, $x_1 = 9.994631830509721e-01$, $x_2 = 9.989256657134821e-01$ 第6953次迭代 $f(x_{6953}) = 2.878072300772651e-07$, $x_1 = 9.994644493429435e-01$, $x_2 = 9.989260347484138e-01$ 第6954次迭代 $f(x_{6954}) = 2.873459483154389e-07$, $x_1 = 9.994640472529597e-01$, $x_2 = 9.989273787494949e-01$ 第6955次迭代 $f(x_{6955}) = 2.868854052867812e-07$, $x_1 = 9.994652995422548e-01$, $x_2 = 9.989277531752795e-01$ 第6956次迭代 $f(x_{6956}) = 2.864247402096873e-07$, $x_1 = 9.994649006289548e-01$, $x_2 = 9.989291211353329e-01$ 第6957次迭代 $f(x_{6957}) = 2.859636922510513e-07$, $x_1 = 9.994661770043242e-01$, $x_2 = 9.989294819176118e-01$ 第6958次迭代 $f(x_{6958}) = 2.855062035544944e-07$, $x_1 = 9.994657668920008e-01$, $x_2 = 9.989308132572481e-01$ 第6959次迭代 $f(x_{6959}) = 2.850489536301492e-07$, $x_1 = 9.994670105741096e-01$, $x_2 = 9.989311887768154e-01$ 第6960次迭代 $f(x_{6960}) = 2.845908124018144e-07$, $x_1 = 9.994666175976992e-01$, $x_2 = 9.989325500256572e-01$ 第6961次迭代 $f(x_{6961}) = 2.841330803602833e-07$, $x_1 = 9.994678851650035e-01$, $x_2 = 9.989329120072219e-01$ 第6962次迭代 $f(x_{6962}) = 2.836783259415413e-07$, $x_1 = 9.994674763251560e-01$, $x_2 = 9.989342520484998e-01$ 第6963次迭代 $f(x_{6963}) = 2.832229727782072e-07$, $x_1 = 9.994687298535807e-01$, $x_2 = 9.989346194492422e-01$ 第6964次迭代 $f(x_{6964}) = 2.827688694492938e-07$, $x_1 = 9.99468335777192e-01$, $x_2 = 9.989359514015240e-01$ 第6965次迭代 $f(x_{6965}) = 2.823158591735038e-07$, $x_1 = 9.994695732793981e-01$, $x_2 = 9.989363241180664e-01$ 第6966次迭代 $f(x_{6966}) = 2.818623003188592e-07$, $x_1 = 9.994691801524420e-01$, $x_2 = 9.989376798388783e-01$ 第6967次迭代 $f(x_{6967}) = 2.814088027921634e-07$, $x_1 = 9.994704436967176e-01$, $x_2 = 9.989380390464822e-01$ 第6968次迭代 $f(x_{6968}) = 2.809585527202802e-07$, $x_1 = 9.994700347585334e-01$, $x_2 = 9.989393736737302e-01$ 第6969次迭代 $f(x_{6969}) = 2.805074149730788e-07$, $x_1 = 9.994712843135986e-01$, $x_2 = 9.989397382833507e-01$ 第6970次迭代 $f(x_{6970}) = 2.800578063406878e-07$, $x_1 = 9.994708878968124e-01$, $x_2 = 9.989410648516275e-01$ 第6971次迭代 $f(x_{6971}) = 2.796089926462445e-07$, $x_1 = 9.994721236738280e-01$, $x_2 = 9.989414347603607e-01$ 第6972次迭代 $f(x_{6972}) = 2.791599750842354e-07$, $x_1 = 9.994717303599330e-01$, $x_2 = 9.989427849982948e-01$ 第6973次迭代 $f(x_{6973}) = 2.787106689204688e-07$, $x_1 = 9.994729899381455e-01$, $x_2 = 9.989431414265173e-01$ 第6974次迭代 $f(x_{6974}) = 2.782647672955388e-07$, $x_1 = 9.994725855280278e-01$, $x_2 = 9.989444555317377e-01$ 第6975次迭代 $f(x_{6975}) = 2.778191569439778e-07$, $x_1 = 9.994738128854465e-01$, $x_2 = 9.989448264815176e-01$ 第6976次迭代 $f(x_{6976}) = 2.773726065092411e-07$, $x_1 = 9.994734253540528e-01$, $x_2 = 9.989461701332600e-01$ 第6977次迭代 $f(x_{6977}) = 2.769265256194173e-07$, $x_1 = 9.994746763161612e-01$, $x_2 = 9.989465277057823e-01$ 第6978次迭代 $f(x_{6978}) = 2.764832882882221e-07$, $x_1 = 9.994742730891126e-01$, $x_2 = 9.989478504381244e-01$ 第6979次迭代 $f(x_{6979}) = 2.760395219939578e-07$, $x_1 = 9.994755102350714e-01$, $x_2 = 9.989482133388999e-01$ 第6980次迭代 $f(x_{6980}) = 2.755969222829228e-07$, $x_1 = 9.994751193688437e-01$, $x_2 = 9.989495281069476e-01$ 第6981次迭代 $f(x_{6981}) = 2.751554357154867e-07$, $x_1 = 9.994763429067799e-01$, $x_2 = 9.989498962345676e-01$ 第6982次迭代 $f(x_{6982}) = 2.747133613734062e-07$, $x_1 = 9.994759551151843e-01$, $x_2 = 9.989512344846820e-01$ 第6983次迭代 $f(x_{6983}) = 2.742713988085260e-07$, $x_1 = 9.994772022186781e-01$, $x_2 = 9.989515892622773e-01$ 第6984次迭代 $f(x_{6984}) = 2.738325589624444e-07$, $x_1 = 9.994767987826864e-01$, $x_2 = 9.989529067056746e-01$ 第6985次迭代 $f(x_{6985}) = 2.733928926720877e-07$, $x_1 = 9.994780321170579e-01$, $x_2 = 9.989532667955837e-01$ 第6986次迭代 $f(x_{6986}) = 2.729546807892555e-07$, $x_1 = 9.994776410018302e-01$, $x_2 = 9.989545763033347e-01$ 第6987次迭代 $f(x_{6987}) = 2.725172761517838e-07$, $x_1 =$

9.994788607742828e-01, x2 = 9.989549416045983e-01 第6988次迭代 f(x_6988)
=2.720796377234180e-07, x1 = 9.994784726876231e-01, x2 = 9.989562744971257e-01 第6989次
迭代 f(x_6989) =2.716417515526290e-07, x1 = 9.994797159876622e-01, x2 =
9.989566264749806e-01 第6990次迭代 f(x_6990) =2.712071592387699e-07, x1 =
9.994793169091869e-01, x2 = 9.989579237148029e-01 第6991次迭代 f(x_6991)
=2.707728710598426e-07, x1 = 9.994805284427954e-01, x2 = 9.989582900072677e-01 第6992次
迭代 f(x_6992) =2.703376437567387e-07, x1 = 9.994801459907171e-01, x2 =
9.989596164347783e-01 第6993次迭代 f(x_6993) =2.699028951476398e-07, x1 =
9.994813808596126e-01, x2 = 9.989599695049199e-01 第6994次迭代 f(x_6994)
=2.694709022881147e-07, x1 = 9.994809828770057e-01, x2 = 9.989612752977639e-01 第6995次
迭代 f(x_6995) =2.690384064371448e-07, x1 = 9.994822041440701e-01, x2 =
9.989616336091759e-01 第6996次迭代 f(x_6996) =2.686070373748678e-07, x1 =
9.994818183272227e-01, x2 = 9.989629315580811e-01 第6997次迭代 f(x_6997)
=2.681767604779084e-07, x1 = 9.994830261967331e-01, x2 = 9.989632950112456e-01 第6998次
迭代 f(x_6998) =2.677459051839528e-07, x1 = 9.994826433797440e-01, x2 =
9.989646161601397e-01 第6999次迭代 f(x_6999) =2.673151621017667e-07, x1 =
9.994838745487512e-01, x2 = 9.989649664164464e-01 第7000次迭代 f(x_7000)
=2.668874622079467e-07, x1 = 9.994834762515519e-01, x2 = 9.989662670420587e-01 第7001次
迭代 f(x_7001) =2.664589543042970e-07, x1 = 9.994846938632221e-01, x2 =
9.989666225248649e-01 第7002次迭代 f(x_7002) =2.660318685586392e-07, x1 =
9.994843076941496e-01, x2 = 9.989679153338651e-01 第7003次迭代 f(x_7003)
=2.656055622606913e-07, x1 = 9.994855119518845e-01, x2 = 9.989682759440783e-01 第7004次
迭代 f(x_7004) =2.651790396888322e-07, x1 = 9.994851287365651e-01, x2 =
9.989695918573349e-01 第7005次迭代 f(x_7005) =2.647522613813513e-07, x1 =
9.994863562591306e-01, x2 = 9.989699392955578e-01 第7006次迭代 f(x_7006)
=2.643287066498911e-07, x1 = 9.994859621578522e-01, x2 = 9.989712200285895e-01 第7007次
迭代 f(x_7007) =2.639054326869481e-07, x1 = 9.994871583509655e-01, x2 =
9.989715815829027e-01 第7008次迭代 f(x_7008) =2.634812659918037e-07, x1 =
9.994867806284712e-01, x2 = 9.989728911486320e-01 第7009次迭代 f(x_7009)
=2.630575403446987e-07, x1 = 9.994879998981669e-01, x2 = 9.989732396299518e-01 第7010次
迭代 f(x_7010) =2.626365250351281e-07, x1 = 9.994876068076446e-01, x2 =
9.989745288423645e-01 第7011次迭代 f(x_7011) =2.622149926381210e-07, x1 =
9.994888126817595e-01, x2 = 9.989748824817449e-01 第7012次迭代 f(x_7012)
=2.617945870046066e-07, x1 = 9.994884315697017e-01, x2 = 9.989761639664012e-01 第7013次
迭代 f(x_7013) =2.613752150640580e-07, x1 = 9.994896242488140e-01, x2 =
9.989765226661401e-01 第7014次迭代 f(x_7014) =2.609553184770520e-07, x1 =
9.994892460613775e-01, x2 = 9.989778270730213e-01 第7015次迭代 f(x_7015)
=2.605354888285843e-07, x1 = 9.994904617845058e-01, x2 = 9.989781727235252e-01 第7016次
迭代 f(x_7016) =2.601186642790813e-07, x1 = 9.994900682784271e-01, x2 =
9.989794568871947e-01 第7017次迭代 f(x_7017) =2.597010110086151e-07, x1 =
9.994912706480399e-01, x2 = 9.989798076821058e-01 第7018次迭代 f(x_7018)
=2.592847865063256e-07, x1 = 9.994908890851155e-01, x2 = 9.989810841440762e-01 第7019次
迭代 f(x_7019) =2.588692770365203e-07, x1 = 9.994920783009610e-01, x2 =
9.989814399860956e-01 第7020次迭代 f(x_7020) =2.584536121522090e-07, x1 =
9.994916996165194e-01, x2 = 9.989827392760929e-01 第7021次迭代 f(x_7021)
=2.580376388881832e-07, x1 = 9.994929118449039e-01, x2 = 9.989830820920553e-01 第7022次
迭代 f(x_7022) =2.576248559679961e-07, x1 = 9.994925223816614e-01, x2 =
9.989843466669412e-01 第7023次迭代 f(x_7023) =2.572122973606999e-07, x1 =
9.994937037008678e-01, x2 = 9.989847034085650e-01 第7024次迭代 f(x_7024)
=2.567989338864538e-07, x1 = 9.994933303733704e-01, x2 = 9.989859964649910e-01 第7025次

迭代 $f(x_{7025}) = 2.563859310791123e-07$, $x_1 = 9.994945345207693e-01$, $x_2 = 9.989863402775420e-01$ 第7026次迭代 $f(x_{7026}) = 2.559756320432705e-07$, $x_1 = 9.994941459851465e-01$, $x_2 = 9.989876132586636e-01$ 第7027次迭代 $f(x_{7027}) = 2.555647651987378e-07$, $x_1 = 9.994953369354732e-01$, $x_2 = 9.989879621496784e-01$ 第7028次迭代 $f(x_{7028}) = 2.551550614689224e-07$, $x_1 = 9.994949601984664e-01$, $x_2 = 9.989892275152166e-01$ 第7029次迭代 $f(x_{7029}) = 2.547462987530238e-07$, $x_1 = 9.994961381487449e-01$, $x_2 = 9.989895813887375e-01$ 第7030次迭代 $f(x_{7030}) = 2.543371056507432e-07$, $x_1 = 9.994957642606938e-01$, $x_2 = 9.989908694029808e-01$ 第7031次迭代 $f(x_{7031}) = 2.539278924674820e-07$, $x_1 = 9.994969650097090e-01$, $x_2 = 9.989912103695376e-01$ 第7032次迭代 $f(x_{7032}) = 2.535216842687967e-07$, $x_1 = 9.994965759619946e-01$, $x_2 = 9.989924784173198e-01$ 第7033次迭代 $f(x_{7033}) = 2.531145908513721e-07$, $x_1 = 9.994977635536735e-01$, $x_2 = 9.989928244497567e-01$ 第7034次迭代 $f(x_{7034}) = 2.527089683614629e-07$, $x_1 = 9.994973862714905e-01$, $x_2 = 9.989940849067929e-01$ 第7035次迭代 $f(x_{7035}) = 2.523039630785413e-07$, $x_1 = 9.994985609020698e-01$, $x_2 = 9.989944359095335e-01$ 第7036次迭代 $f(x_{7036}) = 2.518989028135126e-07$, $x_1 = 9.994981864226774e-01$, $x_2 = 9.989957189225885e-01$ 第7037次迭代 $f(x_{7037}) = 2.514934407389176e-07$, $x_1 = 9.994993838235948e-01$, $x_2 = 9.989960570399102e-01$ 第7038次迭代 $f(x_{7038}) = 2.510911697390167e-07$, $x_1 = 9.994989986737235e-01$, $x_2 = 9.989973057957552e-01$ 第7039次迭代 $f(x_{7039}) = 2.506890363932947e-07$, $x_1 = 9.995001655696812e-01$, $x_2 = 9.989976576560796e-01$ 第7040次迭代 $f(x_{7040}) = 2.502862238777126e-07$, $x_1 = 9.994997963169547e-01$, $x_2 = 9.989989345461298e-01$ 第7041次迭代 $f(x_{7041}) = 2.498836526471673e-07$, $x_1 = 9.995009858026633e-01$, $x_2 = 9.989992736160784e-01$ 第7042次迭代 $f(x_{7042}) = 2.494838141982536e-07$, $x_1 = 9.995006014991451e-01$, $x_2 = 9.990005307055443e-01$ 第7043次迭代 $f(x_{7043}) = 2.490833237614120e-07$, $x_1 = 9.995017779788595e-01$, $x_2 = 9.990008747778216e-01$ 第7044次迭代 $f(x_{7044}) = 2.486840660451056e-07$, $x_1 = 9.995014053012504e-01$, $x_2 = 9.990021243600229e-01$ 第7045次迭代 $f(x_{7045}) = 2.482856254798945e-07$, $x_1 = 9.995025689685784e-01$, $x_2 = 9.990024733403465e-01$ 第7046次迭代 $f(x_{7046}) = 2.478868857448601e-07$, $x_1 = 9.995021990638626e-01$, $x_2 = 9.990037453019099e-01$ 第7047次迭代 $f(x_{7047}) = 2.474880008063733e-07$, $x_1 = 9.995033852944893e-01$, $x_2 = 9.990040815123717e-01$ 第7048次迭代 $f(x_{7048}) = 2.470920601110522e-07$, $x_1 = 9.995030047742253e-01$, $x_2 = 9.990053195059176e-01$ 第7049次迭代 $f(x_{7049}) = 2.466964410572015e-07$, $x_1 = 9.995041608220963e-01$, $x_2 = 9.990056693103632e-01$ 第7050次迭代 $f(x_{7050}) = 2.462999188627495e-07$, $x_1 = 9.995037960482817e-01$, $x_2 = 9.990069352248860e-01$ 第7051次迭代 $f(x_{7051}) = 2.459038737974727e-07$, $x_1 = 9.995049744816138e-01$, $x_2 = 9.990072723531006e-01$ 第7052次迭代 $f(x_{7052}) = 2.455103120741557e-07$, $x_1 = 9.995045947648069e-01$, $x_2 = 9.990085186316873e-01$ 第7053次迭代 $f(x_{7053}) = 2.451163097980957e-07$, $x_1 = 9.995057603400276e-01$, $x_2 = 9.990088607003105e-01$ 第7054次迭代 $f(x_{7054}) = 2.447233236136453e-07$, $x_1 = 9.995053921128502e-01$, $x_2 = 9.990100995533338e-01$ 第7055次迭代 $f(x_{7055}) = 2.443313338903392e-07$, $x_1 = 9.995065450210014e-01$, $x_2 = 9.990104464693457e-01$ 第7056次迭代 $f(x_{7056}) = 2.439388251712447e-07$, $x_1 = 9.995061795364821e-01$, $x_2 = 9.990117075267773e-01$ 第7057次迭代 $f(x_{7057}) = 2.435464027955957e-07$, $x_1 = 9.995073548055399e-01$, $x_2 = 9.990120417860660e-01$ 第7058次迭代 $f(x_{7058}) = 2.431567747728707e-07$, $x_1 = 9.995069744250226e-01$, $x_2 = 9.990132833143847e-01$ 第7059次迭代 $f(x_{7059}) = 2.427663800441991e-07$, $x_1 = 9.995081368720283e-01$, $x_2 = 9.990136225031838e-01$ 第7060次迭代 $f(x_{7060}) = 2.423773180182272e-07$, $x_1 = 9.995077679515662e-01$, $x_2 = 9.990148566288511e-01$ 第7061次迭代 $f(x_{7061}) = 2.419889208811480e-07$, $x_1 = 9.995089177668429e-01$, $x_2 = 9.990152006544886e-01$ 第7062次迭代 $f(x_{7062}) = 2.416003894736726e-07$, $x_1 =$

9.995085515428480e-01, x2 = 9.990164568942845e-01 第7063次迭代 f(x_7063)
=2.412115529954901e-07, x1 = 9.995097236954819e-01, x2 = 9.990167882821694e-01 第7064次
迭代 f(x_7064)=2.408257167124386e-07, x1 = 9.995093469661149e-01, x2 =
9.990180110003293e-01 第7065次迭代 f(x_7065)=2.404400661699166e-07, x1 =
9.995104893144481e-01, x2 = 9.990183558120092e-01 第7066次迭代 f(x_7066)
=2.400536998985620e-07, x1 = 9.995101281000022e-01, x2 = 9.990196061099285e-01 第7067次
迭代 f(x_7067)=2.396676277588678e-07, x1 = 9.995112926113845e-01, x2 =
9.990199383756617e-01 第7068次迭代 f(x_7068)=2.392841258946828e-07, x1 =
9.995109166071285e-01, x2 = 9.990211693071278e-01 第7069次迭代 f(x_7069)
=2.389000447306697e-07, x1 = 9.995120684395746e-01, x2 = 9.990215064426798e-01 第7070次
迭代 f(x_7070)=2.385171034870597e-07, x1 = 9.995117037636828e-01, x2 =
9.990227300507289e-01 第7071次迭代 f(x_7071)=2.381349838986571e-07, x1 =
9.995128431050381e-01, x2 = 9.990230719646461e-01 第7072次迭代 f(x_7072)
=2.377525368920015e-07, x1 = 9.995124810950506e-01, x2 = 9.990243175144625e-01 第7073次
迭代 f(x_7073)=2.373699888796590e-07, x1 = 9.995136425777350e-01, x2 =
9.990246469004325e-01 第7074次迭代 f(x_7074)=2.369902373779466e-07, x1 =
9.995132701187747e-01, x2 = 9.990258592105208e-01 第7075次迭代 f(x_7075)
=2.366108165196885e-07, x1 = 9.995144021020005e-01, x2 = 9.990262018796922e-01 第7076次
迭代 f(x_7076)=2.362305050760223e-07, x1 = 9.995140450117967e-01, x2 =
9.990274415600155e-01 第7077次迭代 f(x_7077)=2.358506730413236e-07, x1 =
9.995151989646391e-01, x2 = 9.990277717917111e-01 第7078次迭代 f(x_7078)
=2.354732073407805e-07, x1 = 9.995148271897645e-01, x2 = 9.990289922670375e-01 第7079次
迭代 f(x_7079)=2.350953305053188e-07, x1 = 9.995159686035484e-01, x2 =
9.990293273103829e-01 第7080次迭代 f(x_7080)=2.347184198688771e-07, x1 =
9.995156080284717e-01, x2 = 9.990305405398580e-01 第7081次迭代 f(x_7081)
=2.343424694662649e-07, x1 = 9.995167370886244e-01, x2 = 9.990308803045885e-01 第7082次
迭代 f(x_7082)=2.339660199843522e-07, x1 = 9.995163791485820e-01, x2 =
9.990321153051249e-01 第7083次迭代 f(x_7083)=2.335896514504388e-07, x1 =
9.995175301584145e-01, x2 = 9.990324426494311e-01 第7084次迭代 f(x_7084)
=2.332159679768952e-07, x1 = 9.995171575792527e-01, x2 = 9.990336585498181e-01 第7085次
迭代 f(x_7085)=2.328415404777747e-07, x1 = 9.995182960826527e-01, x2 =
9.990339906964433e-01 第7086次迭代 f(x_7086)=2.324684026076197e-07, x1 =
9.995179346769876e-01, x2 = 9.990351993720875e-01 第7087次迭代 f(x_7087)
=2.320958875386766e-07, x1 = 9.995190608587270e-01, x2 = 9.990355362310834e-01 第7088次
迭代 f(x_7088)=2.317232651955732e-07, x1 = 9.995187020418993e-01, x2 =
9.990367665898564e-01 第7089次迭代 f(x_7089)=2.313503250007278e-07, x1 =
9.995198501543398e-01, x2 = 9.990370910449667e-01 第7090次迭代 f(x_7090)
=2.309802849349412e-07, x1 = 9.995194810002318e-01, x2 = 9.990382885992618e-01 第7091次
迭代 f(x_7091)=2.306103974363619e-07, x1 = 9.995205999675261e-01, x2 =
9.990386261790533e-01 第7092次迭代 f(x_7092)=2.302398595617914e-07, x1 =
9.995202459573866e-01, x2 = 9.990398507684488e-01 第7093次迭代 f(x_7093)
=2.298695636288038e-07, x1 = 9.995213866869863e-01, x2 = 9.990401760331086e-01 第7094次
迭代 f(x_7094)=2.295017708769460e-07, x1 = 9.995210181412887e-01, x2 =
9.990413816818638e-01 第7095次迭代 f(x_7095)=2.291333814365884e-07, x1 =
9.995221464998740e-01, x2 = 9.990417116927517e-01 第7096次迭代 f(x_7096)
=2.287661285946990e-07, x1 = 9.995217890033938e-01, x2 = 9.990429101920171e-01 第7097次
迭代 f(x_7097)=2.283996176482338e-07, x1 = 9.995229051734006e-01, x2 =
9.990432448603328e-01 第7098次迭代 f(x_7098)=2.280328508481470e-07, x1 =
9.995225502345991e-01, x2 = 9.990444648745438e-01 第7099次迭代 f(x_7099)
=2.276659243571501e-07, x1 = 9.995236881496533e-01, x2 = 9.990447872433508e-01 第7100次

迭代 $f(x_{7100}) = 2.273017321668887e-07$, $x_1 = 9.995233229312140e-01$, $x_2 = 9.990459747279555e-01$ 第7101次迭代 $f(x_{7101}) = 2.269378033259359e-07$, $x_1 = 9.995244319896799e-01$, $x_2 = 9.990463100887422e-01$ 第7102次迭代 $f(x_{7102}) = 2.265730920995635e-07$, $x_1 = 9.995240817733639e-01$, $x_2 = 9.990475244026095e-01$ 第7103次迭代 $f(x_{7103}) = 2.262087639528354e-07$, $x_1 = 9.995252124109332e-01$, $x_2 = 9.990478475513794e-01$ 第7104次迭代 $f(x_{7104}) = 2.258467749249523e-07$, $x_1 = 9.995248477615947e-01$, $x_2 = 9.990490430829361e-01$ 第7105次迭代 $f(x_{7105}) = 2.254843195575822e-07$, $x_1 = 9.995259661605327e-01$, $x_2 = 9.990493709232663e-01$ 第7106次迭代 $f(x_{7106}) = 2.251228645982402e-07$, $x_1 = 9.995256124390586e-01$, $x_2 = 9.990505593790188e-01$ 第7107次迭代 $f(x_{7107}) = 2.247622545980373e-07$, $x_1 = 9.995267187795204e-01$, $x_2 = 9.990508918232300e-01$ 第7108次迭代 $f(x_{7108}) = 2.244012591156196e-07$, $x_1 = 9.995263675842885e-01$, $x_2 = 9.990521016273542e-01$ 第7109次迭代 $f(x_{7109}) = 2.240402425931191e-07$, $x_1 = 9.995274954882735e-01$, $x_2 = 9.990524218742776e-01$ 第7110次迭代 $f(x_{7110}) = 2.236818898479321e-07$, $x_1 = 9.995271299041528e-01$, $x_2 = 9.990536129990070e-01$ 第7111次迭代 $f(x_{7111}) = 2.233227328484441e-07$, $x_1 = 9.995282455989232e-01$, $x_2 = 9.990539379296185e-01$ 第7112次迭代 $f(x_{7112}) = 2.229649048141422e-07$, $x_1 = 9.995278909194197e-01$, $x_2 = 9.990551219979616e-01$ 第7113次迭代 $f(x_{7113}) = 2.226075800697418e-07$, $x_1 = 9.995289945845333e-01$, $x_2 = 9.990554515248694e-01$ 第7114次迭代 $f(x_{7114}) = 2.222502668168011e-07$, $x_1 = 9.995286423850874e-01$, $x_2 = 9.990566568559414e-01$ 第7115次迭代 $f(x_{7115}) = 2.218925283000121e-07$, $x_1 = 9.995297675990592e-01$, $x_2 = 9.990569741997996e-01$ 第7116次迭代 $f(x_{7116}) = 2.215376687668105e-07$, $x_1 = 9.995294052328808e-01$, $x_2 = 9.990581474257513e-01$ 第7117次迭代 $f(x_{7117}) = 2.211828584950343e-07$, $x_1 = 9.995305019219251e-01$, $x_2 = 9.990584776140004e-01$ 第7118次迭代 $f(x_{7118}) = 2.208275510696554e-07$, $x_1 = 9.995301543395162e-01$, $x_2 = 9.990596773401196e-01$ 第7119次迭代 $f(x_{7119}) = 2.204723427637586e-07$, $x_1 = 9.995312724145934e-01$, $x_2 = 9.990599954311941e-01$ 第7120次迭代 $f(x_{7120}) = 2.201196533396610e-07$, $x_1 = 9.995309105442862e-01$, $x_2 = 9.990611766343412e-01$ 第7121次迭代 $f(x_{7121}) = 2.197662719881899e-07$, $x_1 = 9.995320165383557e-01$, $x_2 = 9.990614993563754e-01$ 第7122次迭代 $f(x_{7122}) = 2.194141013355336e-07$, $x_1 = 9.995316654553217e-01$, $x_2 = 9.990626735746518e-01$ 第7123次迭代 $f(x_{7123}) = 2.190625202317501e-07$, $x_1 = 9.995327595457371e-01$, $x_2 = 9.990630008413367e-01$ 第7124次迭代 $f(x_{7124}) = 2.187108409211013e-07$, $x_1 = 9.995324109110710e-01$, $x_2 = 9.990641961582238e-01$ 第7125次迭代 $f(x_{7125}) = 2.183588544374620e-07$, $x_1 = 9.995335263744750e-01$, $x_2 = 9.990645113411076e-01$ 第7126次迭代 $f(x_{7126}) = 2.180096143077433e-07$, $x_1 = 9.995331676317584e-01$, $x_2 = 9.990656748209450e-01$ 第7127次迭代 $f(x_{7127}) = 2.176605044630877e-07$, $x_1 = 9.995342548435033e-01$, $x_2 = 9.990660027229187e-01$ 第7128次迭代 $f(x_{7128}) = 2.173108027959785e-07$, $x_1 = 9.995339107468330e-01$, $x_2 = 9.990671925007493e-01$ 第7129次迭代 $f(x_{7129}) = 2.169613028961172e-07$, $x_1 = 9.995350191710591e-01$, $x_2 = 9.990675084036023e-01$ 第7130次迭代 $f(x_{7130}) = 2.166141927502432e-07$, $x_1 = 9.995346608864778e-01$, $x_2 = 9.990686798137279e-01$ 第7131次迭代 $f(x_{7131}) = 2.162664880053647e-07$, $x_1 = 9.995357573550567e-01$, $x_2 = 9.990690002961435e-01$ 第7132次迭代 $f(x_{7132}) = 2.159198905714340e-07$, $x_1 = 9.995354097431458e-01$, $x_2 = 9.990701647914413e-01$ 第7133次迭代 $f(x_{7133}) = 2.155739548183044e-07$, $x_1 = 9.995364944312787e-01$, $x_2 = 9.990704897681675e-01$ 第7134次迭代 $f(x_{7134}) = 2.152278278729913e-07$, $x_1 = 9.995361492357943e-01$, $x_2 = 9.990716751995240e-01$ 第7135次迭代 $f(x_{7135}) = 2.148814946308890e-07$, $x_1 = 9.995372551249453e-01$, $x_2 = 9.990719881896585e-01$ 第7136次迭代 $f(x_{7136}) = 2.145377892841485e-07$, $x_1 = 9.995368998805367e-01$, $x_2 = 9.990731420494325e-01$ 第7137次迭代 $f(x_{7137}) = 2.141942824346273e-07$, $x_1 =$

9.995379777852422e-01, x2 = 9.990734676362905e-01 第7138次迭代 f(x_7138)
=2.138501051933323e-07, x1 = 9.995376370507391e-01, x2 = 9.990746475932620e-01 第7139次
迭代 f(x_7139)=2.135062157816096e-07, x1 = 9.995387359982203e-01, x2 =
9.990749612770412e-01 第7140次迭代 f(x_7140)=2.131646019541799e-07, x1 =
9.995383811747999e-01, x2 = 9.990761230204286e-01 第7141次迭代 f(x_7141)
=2.128224766441508e-07, x1 = 9.995394682892208e-01, x2 = 9.990764412336683e-01 第7142次
迭代 f(x_7142)=2.124813693604601e-07, x1 = 9.995391240265373e-01, x2 =
9.990775961308344e-01 第7143次迭代 f(x_7143)=2.121409825155232e-07, x1 =
9.995401994809968e-01, x2 = 9.990779187893151e-01 第7144次迭代 f(x_7144)
=2.118003273205061e-07, x1 = 9.995398576025579e-01, x2 = 9.990790944615370e-01 第7145次
迭代 f(x_7145)=2.114595503987336e-07, x1 = 9.995409540898740e-01, x2 =
9.990794052286422e-01 第7146次迭代 f(x_7146)=2.111212963605400e-07, x1 =
9.995406022220513e-01, x2 = 9.990805495921802e-01 第7147次迭代 f(x_7147)
=2.107832969001944e-07, x1 = 9.995416709862306e-01, x2 = 9.990808728365028e-01 第7148次
迭代 f(x_7148)=2.104445637197871e-07, x1 = 9.995413334937254e-01, x2 =
9.990820430978186e-01 第7149次迭代 f(x_7149)=2.101061887263007e-07, x1 =
9.995424231347323e-01, x2 = 9.990823545331370e-01 第7150次迭代 f(x_7150)
=2.097699893360914e-07, x1 = 9.995420716513195e-01, x2 = 9.990835067338503e-01 第7151次
迭代 f(x_7151)=2.094333481151259e-07, x1 = 9.995431495791496e-01, x2 =
9.990838226497886e-01 第7152次迭代 f(x_7152)=2.090976490021621e-07, x1 =
9.995428085471405e-01, x2 = 9.990849680714864e-01 第7153次迭代 f(x_7153)
=2.087627164274139e-07, x1 = 9.995438749328401e-01, x2 = 9.990852883848325e-01 第7154次
迭代 f(x_7154)=2.084274533306477e-07, x1 = 9.995435362526633e-01, x2 =
9.990864544221157e-01 第7155次迭代 f(x_7155)=2.080921376343523e-07, x1 =
9.995446235067790e-01, x2 = 9.990867629373539e-01 第7156次迭代 f(x_7156)
=2.077592525680754e-07, x1 = 9.995442748971433e-01, x2 = 9.990878979263167e-01 第7157次
迭代 f(x_7157)=2.074266666748283e-07, x1 = 9.995453346836716e-01, x2 =
9.990882188020545e-01 第7158次迭代 f(x_7158)=2.070932981579909e-07, x1 =
9.995450003162913e-01, x2 = 9.990893794907475e-01 第7159次迭代 f(x_7159)
=2.067603433183652e-07, x1 = 9.995460808173701e-01, x2 = 9.990896886496324e-01 第7160次
迭代 f(x_7160)=2.064294775565757e-07, x1 = 9.995457325561156e-01, x2 =
9.990908314295757e-01 第7161次迭代 f(x_7161)=2.060982268629021e-07, x1 =
9.995468014612671e-01, x2 = 9.990911450214669e-01 第7162次迭代 f(x_7162)
=2.057678550231386e-07, x1 = 9.995464635446165e-01, x2 = 9.990922810882342e-01 第7163次
迭代 f(x_7163)=2.054382838437837e-07, x1 = 9.995475210228807e-01, x2 =
9.990925990309040e-01 第7164次迭代 f(x_7164)=2.051083341558109e-07, x1 =
9.995471854254309e-01, x2 = 9.990937555553016e-01 第7165次迭代 f(x_7165)
=2.047783863741165e-07, x1 = 9.995482636113061e-01, x2 = 9.990940617912261e-01 第7166次
迭代 f(x_7166)=2.044508610484013e-07, x1 = 9.995479141611788e-01, x2 =
9.990952005057552e-01 第7167次迭代 f(x_7167)=2.041226059261703e-07, x1 =
9.995489807742021e-01, x2 = 9.990955111696801e-01 第7168次迭代 f(x_7168)
=2.037955654258236e-07, x1 = 9.995486416514524e-01, x2 = 9.990966431870998e-01 第7169次
迭代 f(x_7169)=2.034689784425526e-07, x1 = 9.995496968601824e-01, x2 =
9.990969581970274e-01 第7170次迭代 f(x_7170)=2.031424167464756e-07, x1 =
9.995493600105481e-01, x2 = 9.990981105911687e-01 第7171次迭代 f(x_7171)
=2.028154454828416e-07, x1 = 9.995504359207796e-01, x2 = 9.990984139040120e-01 第7172次
迭代 f(x_7172)=2.024911269587392e-07, x1 = 9.995500892566407e-01, x2 =
9.990995356521257e-01 第7173次迭代 f(x_7173)=2.021668260211381e-07, x1 =
9.995511379853387e-01, x2 = 9.990998511998626e-01 第7174次迭代 f(x_7174)
=2.018421120162724e-07, x1 = 9.995508053581965e-01, x2 = 9.991009983313549e-01 第7175次

迭代 $f(x_{7175}) = 2.015174405792676e-07$, $x_1 = 9.995518746372537e-01$, $x_2 = 9.991013022618455e-01$ 第7176次迭代 $f(x_{7176}) = 2.011951188440658e-07$, $x_1 = 9.995515282529944e-01$, $x_2 = 9.991024317334971e-01$ 第7177次迭代 $f(x_{7177}) = 2.008721114132523e-07$, $x_1 = 9.995525860728262e-01$, $x_2 = 9.991027400460440e-01$ 第7178次迭代 $f(x_{7178}) = 2.005502681208233e-07$, $x_1 = 9.995522499126119e-01$, $x_2 = 9.991038628845337e-01$ 第7179次迭代 $f(x_{7179}) = 2.002289006500308e-07$, $x_1 = 9.995532964398366e-01$, $x_2 = 9.991041754980908e-01$ 第7180次迭代 $f(x_{7180}) = 1.999075245428127e-07$, $x_1 = 9.995529625199255e-01$, $x_2 = 9.991053185576639e-01$ 第7181次迭代 $f(x_{7181}) = 1.995857788348158e-07$, $x_1 = 9.995540295928242e-01$, $x_2 = 9.991056195628719e-01$ 第7182次迭代 $f(x_{7182}) = 1.992666180910662e-07$, $x_1 = 9.995536859189831e-01$, $x_2 = 9.991067322304513e-01$ 第7183次迭代 $f(x_{7183}) = 1.989474979280783e-07$, $x_1 = 9.995547260525647e-01$, $x_2 = 9.991070453602683e-01$ 第7184次迭代 $f(x_{7184}) = 1.986279428383578e-07$, $x_1 = 9.995543962863931e-01$, $x_2 = 9.991081832167835e-01$ 第7185次迭代 $f(x_{7185}) = 1.983084578815588e-07$, $x_1 = 9.995554568165546e-01$, $x_2 = 9.991084848170312e-01$ 第7186次迭代 $f(x_{7186}) = 1.979912617753655e-07$, $x_1 = 9.995551133878721e-01$, $x_2 = 9.991096051626267e-01$ 第7187次迭代 $f(x_{7187}) = 1.976734128260844e-07$, $x_1 = 9.995561625699577e-01$, $x_2 = 9.991099111001369e-01$ 第7188次迭代 $f(x_{7188}) = 1.973566887117944e-07$, $x_1 = 9.995558292643665e-01$, $x_2 = 9.991110248752308e-01$ 第7189次迭代 $f(x_{7189}) = 1.970404521834513e-07$, $x_1 = 9.995568672630993e-01$, $x_2 = 9.991113350698874e-01$ 第7190次迭代 $f(x_{7190}) = 1.967241855894042e-07$, $x_1 = 9.995565361648016e-01$, $x_2 = 9.991124689119020e-01$ 第7191次迭代 $f(x_{7191}) = 1.964075764753762e-07$, $x_1 = 9.995575945568200e-01$, $x_2 = 9.991127675851390e-01$ 第7192次迭代 $f(x_{7192}) = 1.960934952641880e-07$, $x_1 = 9.995572537654606e-01$, $x_2 = 9.991138712867711e-01$ 第7193次迭代 $f(x_{7193}) = 1.957794680551170e-07$, $x_1 = 9.995582854550851e-01$, $x_2 = 9.991141819768909e-01$ 第7194次迭代 $f(x_{7194}) = 1.954649960702394e-07$, $x_1 = 9.995579584435024e-01$, $x_2 = 9.991153106743731e-01$ 第7195次迭代 $f(x_{7195}) = 1.951506093938240e-07$, $x_1 = 9.995590103793210e-01$, $x_2 = 9.991156099208184e-01$ 第7196次迭代 $f(x_{7196}) = 1.948384620000597e-07$, $x_1 = 9.995586697988893e-01$, $x_2 = 9.991167212552029e-01$ 第7197次迭代 $f(x_{7197}) = 1.945256839683200e-07$, $x_1 = 9.995597104953662e-01$, $x_2 = 9.991170247952378e-01$ 第7198次迭代 $f(x_{7198}) = 1.942140020558303e-07$, $x_1 = 9.995593799393899e-01$, $x_2 = 9.991181296205248e-01$ 第7199次迭代 $f(x_{7199}) = 1.939028095280110e-07$, $x_1 = 9.995604095593962e-01$, $x_2 = 9.991184373749405e-01$ 第7200次迭代 $f(x_{7200}) = 1.935915773232998e-07$, $x_1 = 9.995600811775158e-01$, $x_2 = 9.991195621144452e-01$ 第7201次迭代 $f(x_{7201}) = 1.932800174875046e-07$, $x_1 = 9.995611310417817e-01$, $x_2 = 9.991198584326051e-01$ 第7202次迭代 $f(x_{7202}) = 1.929709386520413e-07$, $x_1 = 9.995607930279767e-01$, $x_2 = 9.991209532809465e-01$ 第7203次迭代 $f(x_{7203}) = 1.926619181864405e-07$, $x_1 = 9.995618164216055e-01$, $x_2 = 9.991212615107584e-01$ 第7204次迭代 $f(x_{7204}) = 1.923524544511816e-07$, $x_1 = 9.995614920610936e-01$, $x_2 = 9.991223811632168e-01$ 第7205次迭代 $f(x_{7205}) = 1.920430794826886e-07$, $x_1 = 9.995625355538496e-01$, $x_2 = 9.991226780335049e-01$ 第7206次迭代 $f(x_{7206}) = 1.917359049231918e-07$, $x_1 = 9.995621977172136e-01$, $x_2 = 9.991237804695975e-01$ 第7207次迭代 $f(x_{7207}) = 1.914281118543446e-07$, $x_1 = 9.995632300770063e-01$, $x_2 = 9.991240815908933e-01$ 第7208次迭代 $f(x_{7208}) = 1.911213962125107e-07$, $x_1 = 9.995629021684507e-01$, $x_2 = 9.991251775780666e-01$ 第7209次迭代 $f(x_{7209}) = 1.908151623351581e-07$, $x_1 = 9.995639235563409e-01$, $x_2 = 9.991254828720487e-01$ 第7210次迭代 $f(x_{7210}) = 1.905088903448412e-07$, $x_1 = 9.995635977885043e-01$, $x_2 = 9.991265986221809e-01$ 第7211次迭代 $f(x_{7211}) = 1.902022940801061e-07$, $x_1 = 9.995646392749158e-01$, $x_2 = 9.991268925633428e-01$ 第7212次迭代 $f(x_{7212}) = 1.898981415447229e-07$, $x_1 =$

9.995643039365367e-01, x2 = 9.991279786691686e-01 第7213次迭代 f(x_7213)
=1.895940431867317e-07, x1 = 9.995653191790244e-01, x2 = 9.991282844191861e-01 第7214次
迭代 f(x_7214)=1.892895137967985e-07, x1 = 9.995649973688412e-01, x2 =
9.991293951387440e-01 第7215次迭代 f(x_7215)=1.889850655548246e-07, x1 =
9.995660325666325e-01, x2 = 9.991296896116827e-01 第7216次迭代 f(x_7216)
=1.886827889809536e-07, x1 = 9.995656973721232e-01, x2 = 9.991307832605240e-01 第7217次
迭代 f(x_7217)=1.883798964942129e-07, x1 = 9.995667215410311e-01, x2 =
9.991310819429521e-01 第7218次迭代 f(x_7218)=1.880780722296532e-07, x1 =
9.995663961804304e-01, x2 = 9.991321692018545e-01 第7219次迭代 f(x_7219)
=1.877767132095200e-07, x1 = 9.995674094797473e-01, x2 = 9.991324720163172e-01 第7220次
迭代 f(x_7220)=1.874753282042071e-07, x1 = 9.995670862263185e-01, x2 =
9.991335788883489e-01 第7221次迭代 f(x_7221)=1.871736113765058e-07, x1 =
9.995681194816322e-01, x2 = 9.991338704317362e-01 第7222次迭代 f(x_7222)
=1.868743101359833e-07, x1 = 9.995677867192663e-01, x2 = 9.991349479039855e-01 第7223次
迭代 f(x_7223)=1.865750507899579e-07, x1 = 9.995687939524450e-01, x2 =
9.991352511558083e-01 第7224次迭代 f(x_7224)=1.862753827889319e-07, x1 =
9.995684745945403e-01, x2 = 9.991363530527477e-01 第7225次迭代 f(x_7225)
=1.859757778482094e-07, x1 = 9.995695016423721e-01, x2 = 9.991366451082668e-01 第7226次
迭代 f(x_7226)=1.856783254332759e-07, x1 = 9.995691689910199e-01, x2 =
9.991377300790653e-01 第7227次迭代 f(x_7227)=1.853802506871112e-07, x1 =
9.995701851118061e-01, x2 = 9.991380263035913e-01 第7228次迭代 f(x_7228)
=1.850832439347333e-07, x1 = 9.995698622023396e-01, x2 = 9.991391049422623e-01 第7229次
迭代 f(x_7229)=1.847866775016866e-07, x1 = 9.995708675536435e-01, x2 =
9.991394052591874e-01 第7230次迭代 f(x_7230)=1.844901071930240e-07, x1 =
9.995705467176401e-01, x2 = 9.991405033625721e-01 第7231次迭代 f(x_7231)
=1.841931872069458e-07, x1 = 9.995715718855603e-01, x2 = 9.991407924885118e-01 第7232次
迭代 f(x_7232)=1.838986633163680e-07, x1 = 9.995712416024255e-01, x2 =
9.991418614343338e-01 第7233次迭代 f(x_7233)=1.836041613935746e-07, x1 =
9.995722409651916e-01, x2 = 9.991421621706071e-01 第7234次迭代 f(x_7234)
=1.833092827678067e-07, x1 = 9.995719239641234e-01, x2 = 9.991432553534160e-01 第7235次
迭代 f(x_7235)=1.830144392248023e-07, x1 = 9.995729430039946e-01, x2 =
9.991435449725268e-01 第7236次迭代 f(x_7236)=1.827217381557186e-07, x1 =
9.995726127994470e-01, x2 = 9.991446213727038e-01 第7237次迭代 f(x_7237)
=1.824283998143834e-07, x1 = 9.995736210119222e-01, x2 = 9.991449151213490e-01 第7238次
迭代 f(x_7238)=1.821361377290791e-07, x1 = 9.995733004593332e-01, x2 =
9.991459852460682e-01 第7239次迭代 f(x_7239)=1.818442831031884e-07, x1 =
9.995742980002864e-01, x2 = 9.991462830484671e-01 第7240次迭代 f(x_7240)
=1.815524561396844e-07, x1 = 9.995739794872971e-01, x2 = 9.991473724908840e-01 第7241次
迭代 f(x_7241)=1.812602519045005e-07, x1 = 9.995749967085614e-01, x2 =
9.991476591807674e-01 第7242次迭代 f(x_7242)=1.809704324682516e-07, x1 =
9.995746688104262e-01, x2 = 9.991487197055656e-01 第7243次迭代 f(x_7243)
=1.806806078545597e-07, x1 = 9.995756604388217e-01, x2 = 9.991490179099437e-01 第7244次
迭代 f(x_7244)=1.803904475285509e-07, x1 = 9.995753457016757e-01, x2 =
9.991501024853590e-01 第7245次迭代 f(x_7245)=1.801002849683098e-07, x1 =
9.995763568726639e-01, x2 = 9.991503896501158e-01 第7246次迭代 f(x_7246)
=1.798122634368434e-07, x1 = 9.995760290211045e-01, x2 = 9.991514575853505e-01 第7247次
迭代 f(x_7247)=1.795235816376542e-07, x1 = 9.995770294622106e-01, x2 =
9.991517488411532e-01 第7248次迭代 f(x_7248)=1.792359923852996e-07, x1 =
9.995767111747274e-01, x2 = 9.991528105564843e-01 第7249次迭代 f(x_7249)
=1.789487702444838e-07, x1 = 9.995777010401736e-01, x2 = 9.991531058283605e-01 第7250次

迭代 $f(x_{7250}) = 1.786616162061575e-07$, $x_1 = 9.995773847582814e-01$, $x_2 = 9.991541867157577e-01$ 第7251次迭代 $f(x_{7251}) = 1.783740481033338e-07$, $x_1 = 9.995783941707413e-01$, $x_2 = 9.991544709520032e-01$ 第7252次迭代 $f(x_{7252}) = 1.780888612645929e-07$, $x_1 = 9.995780685658485e-01$, $x_2 = 9.991555231594770e-01$ 第7253次迭代 $f(x_{7253}) = 1.778036352884606e-07$, $x_1 = 9.995790525931382e-01$, $x_2 = 9.991558188165874e-01$ 第7254次迭代 $f(x_{7254}) = 1.775181231193668e-07$, $x_1 = 9.995787400294539e-01$, $x_2 = 9.991568948896365e-01$ 第7255次迭代 $f(x_{7255}) = 1.772325625838254e-07$, $x_1 = 9.995797434677925e-01$, $x_2 = 9.991571795831011e-01$ 第7256次迭代 $f(x_{7256}) = 1.769490821663069e-07$, $x_1 = 9.995794215893766e-01$, $x_2 = 9.991582270789262e-01$ 第7257次迭代 $f(x_{7257}) = 1.766658366339983e-07$, $x_1 = 9.995803998278634e-01$, $x_2 = 9.991585231047395e-01$ 第7258次迭代 $f(x_{7258}) = 1.763819594455277e-07$, $x_1 = 9.995800909393959e-01$, $x_2 = 9.991595943943976e-01$ 第7259次迭代 $f(x_{7259}) = 1.760983905150204e-07$, $x_1 = 9.995810884542288e-01$, $x_2 = 9.991598795279067e-01$ 第7260次迭代 $f(x_{7260}) = 1.758166476015655e-07$, $x_1 = 9.995807665905034e-01$, $x_2 = 9.991609343670456e-01$ 第7261次迭代 $f(x_{7261}) = 1.755345210559653e-07$, $x_1 = 9.995817535506102e-01$, $x_2 = 9.991612235182891e-01$ 第7262次迭代 $f(x_{7262}) = 1.752532054621236e-07$, $x_1 = 9.995814410894733e-01$, $x_2 = 9.991622722343363e-01$ 第7263次迭代 $f(x_{7263}) = 1.749725008661667e-07$, $x_1 = 9.995824176461955e-01$, $x_2 = 9.991625653297580e-01$ 第7264次迭代 $f(x_{7264}) = 1.746915676362837e-07$, $x_1 = 9.995821071679166e-01$, $x_2 = 9.991636330037874e-01$ 第7265次迭代 $f(x_{7265}) = 1.744105315941860e-07$, $x_1 = 9.995831030070489e-01$, $x_2 = 9.991639152100056e-01$ 第7266次迭代 $f(x_{7266}) = 1.741315867476924e-07$, $x_1 = 9.995827832765576e-01$, $x_2 = 9.991649545413128e-01$ 第7267次迭代 $f(x_{7267}) = 1.738528296830578e-07$, $x_1 = 9.995837541164693e-01$, $x_2 = 9.991652479896665e-01$ 第7268次迭代 $f(x_{7268}) = 1.735735069945648e-07$, $x_1 = 9.995834472580140e-01$, $x_2 = 9.991663109315710e-01$ 第7269次迭代 $f(x_{7269}) = 1.732944294007256e-07$, $x_1 = 9.995844372473266e-01$, $x_2 = 9.991665935611841e-01$ 第7270次迭代 $f(x_{7270}) = 1.730171999671672e-07$, $x_1 = 9.995841175004915e-01$, $x_2 = 9.991676401925419e-01$ 第7271次迭代 $f(x_{7271}) = 1.727395416642611e-07$, $x_1 = 9.995850970273026e-01$, $x_2 = 9.991679268038473e-01$ 第7272次迭代 $f(x_{7272}) = 1.724627327351639e-07$, $x_1 = 9.995847866002447e-01$, $x_2 = 9.991689673649113e-01$ 第7273次迭代 $f(x_{7273}) = 1.721864736428050e-07$, $x_1 = 9.995857558143383e-01$, $x_2 = 9.991692578851146e-01$ 第7274次迭代 $f(x_{7274}) = 1.719100510574587e-07$, $x_1 = 9.995854473356874e-01$, $x_2 = 9.991703172618559e-01$ 第7275次迭代 $f(x_{7275}) = 1.716334633708807e-07$, $x_1 = 9.995864357063948e-01$, $x_2 = 9.991705969657965e-01$ 第7276次迭代 $f(x_{7276}) = 1.713589846333753e-07$, $x_1 = 9.995861180381618e-01$, $x_2 = 9.991716282321353e-01$ 第7277次迭代 $f(x_{7277}) = 1.710846407744788e-07$, $x_1 = 9.995870816059601e-01$, $x_2 = 9.991719190900756e-01$ 第7278次迭代 $f(x_{7278}) = 1.708098045718828e-07$, $x_1 = 9.995867766930953e-01$, $x_2 = 9.991729737850917e-01$ 第7279次迭代 $f(x_{7279}) = 1.705351428000515e-07$, $x_1 = 9.995877592861566e-01$, $x_2 = 9.991732538963716e-01$ 第7280次迭代 $f(x_{7280}) = 1.702623583230140e-07$, $x_1 = 9.995874415709164e-01$, $x_2 = 9.991742924197821e-01$ 第7281次迭代 $f(x_{7281}) = 1.699890932490551e-07$, $x_1 = 9.995884137917416e-01$, $x_2 = 9.991745764776102e-01$ 第7282次迭代 $f(x_{7282}) = 1.697167224554437e-07$, $x_1 = 9.995881053153395e-01$, $x_2 = 9.991756089824982e-01$ 第7283次迭代 $f(x_{7283}) = 1.694448343437319e-07$, $x_1 = 9.995890673121890e-01$, $x_2 = 9.991758969148252e-01$ 第7284次迭代 $f(x_{7284}) = 1.691728550230236e-07$, $x_1 = 9.995887607496243e-01$, $x_2 = 9.991769480944214e-01$ 第7285次迭代 $f(x_{7285}) = 1.689006409195296e-07$, $x_1 = 9.995897417800746e-01$, $x_2 = 9.991772252819555e-01$ 第7286次迭代 $f(x_{7286}) = 1.686305598322652e-07$, $x_1 = 9.995894260906500e-01$, $x_2 = 9.991782485813125e-01$ 第7287次迭代 $f(x_{7287}) = 1.683605552568429e-07$, $x_1 =$

9.995903825102821e-01, x2 = 9.991785368367392e-01 第7288次迭代 f(x_7288)
=1.680901384410580e-07, x1 = 9.995900794607832e-01, x2 = 9.991795833841639e-01 第7289次
迭代 f(x_7289) =1.678198183278296e-07, x1 = 9.995910547842872e-01, x2 =
9.991798609635575e-01 第7290次迭代 f(x_7290) =1.675514112503557e-07, x1 =
9.995907390175529e-01, x2 = 9.991808914772934e-01 第7291次迭代 f(x_7291)
=1.672824657298489e-07, x1 = 9.995917040571717e-01, x2 = 9.991811729689678e-01 第7292次
迭代 f(x_7292) =1.670144655134344e-07, x1 = 9.995913974501643e-01, x2 =
9.991821975149485e-01 第7293次迭代 f(x_7293) =1.667468751848223e-07, x1 =
9.995923523526689e-01, x2 = 9.991824828475826e-01 第7294次迭代 f(x_7294)
=1.664792726567078e-07, x1 = 9.995920476248180e-01, x2 = 9.991835259286240e-01 第7295次
迭代 f(x_7295) =1.662113587005635e-07, x1 = 9.995930214406336e-01, x2 =
9.991838005864943e-01 第7296次迭代 f(x_7296) =1.659456077963627e-07, x1 =
9.995927076487217e-01, x2 = 9.991848160153285e-01 第7297次迭代 f(x_7297)
=1.656798698944679e-07, x1 = 9.995936570416839e-01, x2 = 9.991851016569661e-01 第7298次
迭代 f(x_7298) =1.654138062741516e-07, x1 = 9.995933557754612e-01, x2 =
9.991861401545631e-01 第7299次迭代 f(x_7299) =1.651477549795908e-07, x1 =
9.995943239535936e-01, x2 = 9.991864151893716e-01 第7300次迭代 f(x_7300)
=1.648836587015826e-07, x1 = 9.995940100544183e-01, x2 = 9.991874377901799e-01 第7301次
迭代 f(x_7301) =1.646189603695821e-07, x1 = 9.995949680351470e-01, x2 =
9.991877167038565e-01 第7302次迭代 f(x_7302) =1.643552641334571e-07, x1 =
9.995946632183711e-01, x2 = 9.991887333866958e-01 第7303次迭代 f(x_7303)
=1.640918996885777e-07, x1 = 9.995956111470110e-01, x2 = 9.991890161086306e-01 第7304次
迭代 f(x_7304) =1.638286083821897e-07, x1 = 9.995953081746054e-01, x2 =
9.991900511881920e-01 第7305次迭代 f(x_7305) =1.635649224465855e-07, x1 =
9.995962748989335e-01, x2 = 9.991903233039807e-01 第7306次迭代 f(x_7306)
=1.633034352388386e-07, x1 = 9.995959629253250e-01, x2 = 9.991913309572609e-01 第7307次
迭代 f(x_7307) =1.630418926857183e-07, x1 = 9.995969054107322e-01, x2 =
9.991916139746273e-01 第7308次迭代 f(x_7308) =1.627801169705429e-07, x1 =
9.995966058497636e-01, x2 = 9.991926445186639e-01 第7309次迭代 f(x_7309)
=1.625182629502097e-07, x1 = 9.995975670042723e-01, x2 = 9.991929169970108e-01 第7310次
迭代 f(x_7310) =1.622583464439806e-07, x1 = 9.995972584516374e-01, x2 =
9.991939202122951e-01 第7311次迭代 f(x_7311) =1.619986116306777e-07, x1 =
9.995981955385297e-01, x2 = 9.991942035105317e-01 第7312次迭代 f(x_7312)
=1.617383448725671e-07, x1 = 9.995978993504060e-01, x2 = 9.991952295473995e-01 第7313次
迭代 f(x_7313) =1.614783084085778e-07, x1 = 9.995988549809577e-01, x2 =
9.991955023731596e-01 第7314次迭代 f(x_7314) =1.612199956970809e-07, x1 =
9.995985462920562e-01, x2 = 9.991965126953797e-01 第7315次迭代 f(x_7315)
=1.609612780809490e-07, x1 = 9.995994918832755e-01, x2 = 9.991967893346271e-01 第7316次
迭代 f(x_7316) =1.607033599430816e-07, x1 = 9.995991921316930e-01, x2 =
9.991977938268074e-01 第7317次迭代 f(x_7317) =1.604459426742954e-07, x1 =
9.996001278263147e-01, x2 = 9.991980742101990e-01 第7318次迭代 f(x_7318)
=1.601883904656392e-07, x1 = 9.995998298946118e-01, x2 = 9.991990968954672e-01 第7319次
迭代 f(x_7319) =1.599306634456721e-07, x1 = 9.996007841448439e-01, x2 =
9.991993668062829e-01 第7320次迭代 f(x_7320) =1.596749207482850e-07, x1 =
9.996004772845529e-01, x2 = 9.992003623857364e-01 第7321次迭代 f(x_7321)
=1.594192815091192e-07, x1 = 9.996014076448774e-01, x2 = 9.992006430372521e-01 第7322次
迭代 f(x_7322) =1.591632152820676e-07, x1 = 9.996011130377579e-01, x2 =
9.992016612620512e-01 第7323次迭代 f(x_7323) =1.589072759094870e-07, x1 =
9.996020618297525e-01, x2 = 9.992019315067524e-01 第7324次迭代 f(x_7324)
=1.586531198993461e-07, x1 = 9.996017548040630e-01, x2 = 9.992029341514211e-01 第7325次

迭代 $f(x_{7325}) = 1.583984789039970e-07$, $x_1 = 9.996026936385676e-01$, $x_2 = 9.992032081783266e-01$ 第7326次迭代 $f(x_{7326}) = 1.581447106113331e-07$, $x_1 = 9.996023954773047e-01$, $x_2 = 9.992042050403129e-01$ 第7327次迭代 $f(x_{7327}) = 1.578913497943025e-07$, $x_1 = 9.996033244956793e-01$, $x_2 = 9.992044827807510e-01$ 第7328次迭代 $f(x_{7328}) = 1.576379575811239e-07$, $x_1 = 9.996030281191746e-01$, $x_2 = 9.992054977006274e-01$ 第7329次迭代 $f(x_{7329}) = 1.573842885288986e-07$, $x_1 = 9.996039755821934e-01$, $x_2 = 9.992057650335937e-01$ 第7330次迭代 $f(x_{7330}) = 1.571326554162352e-07$, $x_1 = 9.996036703401989e-01$, $x_2 = 9.992067530685466e-01$ 第7331次迭代 $f(x_{7331}) = 1.568810434625457e-07$, $x_1 = 9.996045940872136e-01$, $x_2 = 9.992070310648472e-01$ 第7332次迭代 $f(x_{7332}) = 1.566291145363064e-07$, $x_1 = 9.996043009881935e-01$, $x_2 = 9.992080415701922e-01$ 第7333次迭代 $f(x_{7333}) = 1.563772037736503e-07$, $x_1 = 9.996052430573826e-01$, $x_2 = 9.992083092240168e-01$ 第7334次迭代 $f(x_{7334}) = 1.561271409907179e-07$, $x_1 = 9.996049376211704e-01$, $x_2 = 9.992093042827580e-01$ 第7335次迭代 $f(x_{7335}) = 1.558765085673872e-07$, $x_1 = 9.996058698129917e-01$, $x_2 = 9.992095756882864e-01$ 第7336次迭代 $f(x_{7336}) = 1.556268266631732e-07$, $x_1 = 9.996055731699521e-01$, $x_2 = 9.992105650107963e-01$ 第7337次迭代 $f(x_{7337}) = 1.553774546735216e-07$, $x_1 = 9.996064956244206e-01$, $x_2 = 9.992108401000132e-01$ 第7338次迭代 $f(x_{7338}) = 1.551281598229100e-07$, $x_1 = 9.996062007309363e-01$, $x_2 = 9.992118473464783e-01$ 第7339次迭代 $f(x_{7339}) = 1.548784809233105e-07$, $x_1 = 9.996071415215554e-01$, $x_2 = 9.992121120920150e-01$ 第7340次迭代 $f(x_{7340}) = 1.546308941145760e-07$, $x_1 = 9.996068378256858e-01$, $x_2 = 9.992130926724241e-01$ 第7341次迭代 $f(x_{7341}) = 1.543832423546419e-07$, $x_1 = 9.996077550704829e-01$, $x_2 = 9.992133680057118e-01$ 第7342次迭代 $f(x_{7342}) = 1.541353883761056e-07$, $x_1 = 9.996074634085157e-01$, $x_2 = 9.992143708828384e-01$ 第7343次迭代 $f(x_{7343}) = 1.538874389473497e-07$, $x_1 = 9.996083988684340e-01$, $x_2 = 9.992146359366916e-01$ 第7344次迭代 $f(x_{7344}) = 1.536413428495787e-07$, $x_1 = 9.996080984143016e-01$, $x_2 = 9.992156122421927e-01$ 第7345次迭代 $f(x_{7345}) = 1.533953980670612e-07$, $x_1 = 9.996090104914711e-01$, $x_2 = 9.992158878061160e-01$ 第7346次迭代 $f(x_{7346}) = 1.531489785003378e-07$, $x_1 = 9.996087220249571e-01$, $x_2 = 9.992168863407522e-01$ 第7347次迭代 $f(x_{7347}) = 1.529027451019577e-07$, $x_1 = 9.996096521972950e-01$, $x_2 = 9.992171516889369e-01$ 第7348次迭代 $f(x_{7348}) = 1.526581738318560e-07$, $x_1 = 9.996093515215121e-01$, $x_2 = 9.992181349545449e-01$ 第7349次迭代 $f(x_{7349}) = 1.524131870818641e-07$, $x_1 = 9.996102719646464e-01$, $x_2 = 9.992184039936345e-01$ 第7350次迭代 $f(x_{7350}) = 1.521689909880599e-07$, $x_1 = 9.996099799464560e-01$, $x_2 = 9.992193816057778e-01$ 第7351次迭代 $f(x_{7351}) = 1.519252335040639e-07$, $x_1 = 9.996108907979949e-01$, $x_2 = 9.992196542689379e-01$ 第7352次迭代 $f(x_{7352}) = 1.516813929875076e-07$, $x_1 = 9.996106005038622e-01$, $x_2 = 9.992206496077216e-01$ 第7353次迭代 $f(x_{7353}) = 1.514373387994596e-07$, $x_1 = 9.996115294658608e-01$, $x_2 = 9.992209120532173e-01$ 第7354次迭代 $f(x_{7354}) = 1.511952033871490e-07$, $x_1 = 9.996112304428035e-01$, $x_2 = 9.992218810363743e-01$ 第7355次迭代 $f(x_{7355}) = 1.509531250099242e-07$, $x_1 = 9.996121361864883e-01$, $x_2 = 9.992221539191219e-01$ 第7356次迭代 $f(x_{7356}) = 1.507106968348241e-07$, $x_1 = 9.996118490435972e-01$, $x_2 = 9.992231449594817e-01$ 第7357次迭代 $f(x_{7357}) = 1.504683306327381e-07$, $x_1 = 9.996127727791810e-01$, $x_2 = 9.992234076875349e-01$ 第7358次迭代 $f(x_{7358}) = 1.502277056721103e-07$, $x_1 = 9.996124735063930e-01$, $x_2 = 9.992243835900682e-01$ 第7359次迭代 $f(x_{7359}) = 1.499865671373422e-07$, $x_1 = 9.996133875886215e-01$, $x_2 = 9.992246499804781e-01$ 第7360次迭代 $f(x_{7360}) = 1.497463105148122e-07$, $x_1 = 9.996130969062493e-01$, $x_2 = 9.992256202737533e-01$ 第7361次迭代 $f(x_{7361}) = 1.495063825370825e-07$, $x_1 = 9.996140014714608e-01$, $x_2 = 9.992258902603049e-01$ 第7362次迭代 $f(x_{7362}) = 1.492664948594486e-07$, $x_1 =$

9.996137124776691e-01, x2 = 9.992268781493161e-01 第7363次迭代 f(x_7363)
=1.490262709748127e-07, x1 = 9.996146350510229e-01, x2 = 9.992271379787269e-01 第7364次
迭代 f(x_7364) =1.487880351451070e-07, x1 = 9.996143373915185e-01, x2 =
9.992280997261428e-01 第7365次迭代 f(x_7365) =1.485497589083775e-07, x1 =
9.996152369074786e-01, x2 = 9.992283699216680e-01 第7366次迭代 f(x_7366)
=1.483112617801019e-07, x1 = 9.996149510217718e-01, x2 = 9.992293535556187e-01 第7367次
迭代 f(x_7367) =1.480726983478749e-07, x1 = 9.996158684286774e-01, x2 =
9.992296136562612e-01 第7368次迭代 f(x_7368) =1.478358993533379e-07, x1 =
9.996155738879270e-01, x2 = 9.992305712409220e-01 第7369次迭代 f(x_7369)
=1.475992622065405e-07, x1 = 9.996164683948771e-01, x2 = 9.992308416327406e-01 第7370次
迭代 f(x_7370) =1.473621492902586e-07, x1 = 9.996161855828929e-01, x2 =
9.992318210374599e-01 第7371次迭代 f(x_7371) =1.471252334836143e-07, x1 =
9.996170978646222e-01, x2 = 9.992320813961281e-01 第7372次迭代 f(x_7372)
=1.468899029818460e-07, x1 = 9.996168030477136e-01, x2 = 9.992330458374580e-01 第7373次
迭代 f(x_7373) =1.466541847670216e-07, x1 = 9.996177058175549e-01, x2 =
9.992333098007764e-01 第7374次迭代 f(x_7374) =1.464192167575464e-07, x1 =
9.996174194619001e-01, x2 = 9.992342687121213e-01 第7375次迭代 f(x_7375)
=1.461846795135115e-07, x1 = 9.996183128539018e-01, x2 = 9.992345362149979e-01 第7376次
迭代 f(x_7376) =1.459500539370082e-07, x1 = 9.996180281606344e-01, x2 =
9.992355125291220e-01 第7377次迭代 f(x_7377) =1.457152299729786e-07, x1 =
9.996189393448963e-01, x2 = 9.992357699957202e-01 第7378次迭代 f(x_7378)
=1.454822478445666e-07, x1 = 9.996186460598790e-01, x2 = 9.992367204717979e-01 第7379次
迭代 f(x_7379) =1.452493230474713e-07, x1 = 9.996195344996742e-01, x2 =
9.992369881610437e-01 第7380次迭代 f(x_7380) =1.450160602362149e-07, x1 =
9.996192528386147e-01, x2 = 9.992379602882354e-01 第7381次迭代 f(x_7381)
=1.447828570970403e-07, x1 = 9.996201589558226e-01, x2 = 9.992382180022461e-01 第7382次
迭代 f(x_7382) =1.445513308777987e-07, x1 = 9.996198653672519e-01, x2 =
9.992391752949648e-01 第7383次迭代 f(x_7383) =1.443193073393175e-07, x1 =
9.996207620443882e-01, x2 = 9.992394365869128e-01 第7384次迭代 f(x_7384)
=1.440881367974350e-07, x1 = 9.996204768537359e-01, x2 = 9.992403883917309e-01 第7385次
迭代 f(x_7385) =1.438572764914376e-07, x1 = 9.996213642236491e-01, x2 =
9.992406531971088e-01 第7386次迭代 f(x_7386) =1.436264638155290e-07, x1 =
9.996210806596731e-01, x2 = 9.992416222767564e-01 第7387次迭代 f(x_7387)
=1.433953171180774e-07, x1 = 9.996219857253852e-01, x2 = 9.992418771032742e-01 第7388次
迭代 f(x_7388) =1.431660928715465e-07, x1 = 9.996216936328932e-01, x2 =
9.992428205542049e-01 第7389次迭代 f(x_7389) =1.429368188483094e-07, x1 =
9.996225761063046e-01, x2 = 9.992430855364284e-01 第7390次迭代 f(x_7390)
=1.427073477669726e-07, x1 = 9.996222955340067e-01, x2 = 9.992440504707777e-01 第7391次
迭代 f(x_7391) =1.424777955780380e-07, x1 = 9.996231955896614e-01, x2 =
9.992443055345097e-01 第7392次迭代 f(x_7392) =1.422499560064809e-07, x1 =
9.996229064999115e-01, x2 = 9.992452449303855e-01 第7393次迭代 f(x_7393)
=1.420222561827077e-07, x1 = 9.996237841153633e-01, x2 = 9.992455100774816e-01 第7394次
迭代 f(x_7394) =1.417941204897931e-07, x1 = 9.996235065019803e-01, x2 =
9.992464708913972e-01 第7395次迭代 f(x_7395) =1.415661505619164e-07, x1 =
9.996244015871070e-01, x2 = 9.992467261798658e-01 第7396次迭代 f(x_7396)
=1.413397281731116e-07, x1 = 9.996241121683078e-01, x2 = 9.992476723306586e-01 第7397次
迭代 f(x_7397) =1.411129092835451e-07, x1 = 9.996249979485035e-01, x2 =
9.992479311422703e-01 第7398次迭代 f(x_7398) =1.408868366236278e-07, x1 =
9.996247168045170e-01, x2 = 9.992488718811280e-01 第7399次迭代 f(x_7399)
=1.406611528624423e-07, x1 = 9.996255934104490e-01, x2 = 9.992491341524441e-01 第7400次

迭代 $f(x_{7400}) = 1.404354159667920e-07$, $x_1 = 9.996253138663205e-01$, $x_2 = 9.992500919774212e-01$ 第7401次迭代 $f(x_{7401}) = 1.402094540816275e-07$, $x_1 = 9.996262079614795e-01$, $x_2 = 9.992503443858404e-01$ 第7402次迭代 $f(x_{7402}) = 1.399852925021544e-07$, $x_1 = 9.996259199631651e-01$, $x_2 = 9.992512768789630e-01$ 第7403次迭代 $f(x_{7403}) = 1.397611574614971e-07$, $x_1 = 9.996267917651515e-01$, $x_2 = 9.992515393062679e-01$ 第7404次迭代 $f(x_{7404}) = 1.395367351281921e-07$, $x_1 = 9.996265151409435e-01$, $x_2 = 9.992524930514387e-01$ 第7405次迭代 $f(x_{7405}) = 1.393123298820472e-07$, $x_1 = 9.996274043208377e-01$, $x_2 = 9.992527456750571e-01$ 第7406次迭代 $f(x_{7406}) = 1.390895745235016e-07$, $x_1 = 9.996271159667153e-01$, $x_2 = 9.992536848837756e-01$ 第7407次迭代 $f(x_{7407}) = 1.388663032529100e-07$, $x_1 = 9.996279959096871e-01$, $x_2 = 9.992539410055509e-01$ 第7408次迭代 $f(x_{7408}) = 1.386438908515549e-07$, $x_1 = 9.996277157706643e-01$, $x_2 = 9.992548748424096e-01$ 第7409次迭代 $f(x_{7409}) = 1.384217378817817e-07$, $x_1 = 9.996285866062474e-01$, $x_2 = 9.992551343994548e-01$ 第7410次迭代 $f(x_{7410}) = 1.381996779674990e-07$, $x_1 = 9.996283145553450e-01$, $x_2 = 9.992560629298780e-01$ 第7411次迭代 $f(x_{7411}) = 1.379786280249270e-07$, $x_1 = 9.996291764111488e-01$, $x_2 = 9.992563258602640e-01$ 第7412次迭代 $f(x_{7412}) = 1.377567869079597e-07$, $x_1 = 9.996289059900894e-01$, $x_2 = 9.992572712904978e-01$ 第7413次迭代 $f(x_{7413}) = 1.375354835474557e-07$, $x_1 = 9.996297849904751e-01$, $x_2 = 9.992575245409169e-01$ 第7414次迭代 $f(x_{7414}) = 1.373153586518650e-07$, $x_1 = 9.996295029318052e-01$, $x_2 = 9.992584555190723e-01$ 第7415次迭代 $f(x_{7415}) = 1.370951674593815e-07$, $x_1 = 9.996303728281198e-01$, $x_2 = 9.992587122084426e-01$ 第7416次迭代 $f(x_{7416}) = 1.368753875696342e-07$, $x_1 = 9.996300988588992e-01$, $x_2 = 9.992596378856115e-01$ 第7417次迭代 $f(x_{7417}) = 1.366562932963889e-07$, $x_1 = 9.996309597786239e-01$, $x_2 = 9.992598979520595e-01$ 第7418次迭代 $f(x_{7418}) = 1.364367862933686e-07$, $x_1 = 9.996306873947248e-01$, $x_2 = 9.992608404661225e-01$ 第7419次迭代 $f(x_{7419}) = 1.362174306384743e-07$, $x_1 = 9.996315654799510e-01$, $x_2 = 9.992610908475725e-01$ 第7420次迭代 $f(x_{7420}) = 1.359995724818330e-07$, $x_1 = 9.996312814881565e-01$, $x_2 = 9.992620189921146e-01$ 第7421次迭代 $f(x_{7421}) = 1.357813229562524e-07$, $x_1 = 9.996321504722937e-01$, $x_2 = 9.992622728163391e-01$ 第7422次迭代 $f(x_{7422}) = 1.355638023646819e-07$, $x_1 = 9.996318745715880e-01$, $x_2 = 9.992631956651591e-01$ 第7423次迭代 $f(x_{7423}) = 1.353466437432247e-07$, $x_1 = 9.996327345819943e-01$, $x_2 = 9.992634528703371e-01$ 第7424次迭代 $f(x_{7424}) = 1.351294500382170e-07$, $x_1 = 9.996324602220855e-01$, $x_2 = 9.992643924935458e-01$ 第7425次迭代 $f(x_{7425}) = 1.349120220683373e-07$, $x_1 = 9.996333374194917e-01$, $x_2 = 9.992646400083799e-01$ 第7426次迭代 $f(x_{7426}) = 1.346963415135623e-07$, $x_1 = 9.996330547406231e-01$, $x_2 = 9.992655547960838e-01$ 第7427次迭代 $f(x_{7427}) = 1.344806703704618e-07$, $x_1 = 9.996339100913058e-01$, $x_2 = 9.992658121280505e-01$ 第7428次迭代 $f(x_{7428}) = 1.342647447722377e-07$, $x_1 = 9.996336385423895e-01$, $x_2 = 9.992667477759212e-01$ 第7429次迭代 $f(x_{7429}) = 1.340488117595577e-07$, $x_1 = 9.996345109721925e-01$, $x_2 = 9.992669954749672e-01$ 第7430次迭代 $f(x_{7430}) = 1.338344374667132e-07$, $x_1 = 9.996342311159692e-01$, $x_2 = 9.992679063744025e-01$ 第7431次迭代 $f(x_{7431}) = 1.336202425700663e-07$, $x_1 = 9.996350818428930e-01$, $x_2 = 9.992681638222531e-01$ 第7432次迭代 $f(x_{7432}) = 1.334055790745816e-07$, $x_1 = 9.996348130746288e-01$, $x_2 = 9.992690955181842e-01$ 第7433次迭代 $f(x_{7433}) = 1.331911296401558e-07$, $x_1 = 9.996356807737142e-01$, $x_2 = 9.992693433900661e-01$ 第7434次迭代 $f(x_{7434}) = 1.329780880130818e-07$, $x_1 = 9.996354005151703e-01$, $x_2 = 9.992702608830777e-01$ 第7435次迭代 $f(x_{7435}) = 1.327647184118389e-07$, $x_1 = 9.996362592386824e-01$, $x_2 = 9.992705121473645e-01$ 第7436次迭代 $f(x_{7436}) = 1.325520082575977e-07$, $x_1 = 9.996359869573295e-01$, $x_2 = 9.992714244155843e-01$ 第7437次迭代 $f(x_{7437}) = 1.323397036758214e-07$, $x_1 =$

9.996368368306114e-01, x2 = 9.992716790114419e-01 第7438次迭代 f(x_7438)
=1.321273049097163e-07, x1 = 9.996365660622516e-01, x2 = 9.992726078719082e-01 第7439次
迭代 f(x_7439) =1.319147378633869e-07, x1 = 9.996374329302532e-01, x2 =
9.992728528858619e-01 第7440次迭代 f(x_7440) =1.317038321079589e-07, x1 =
9.996371539177361e-01, x2 = 9.992737571974072e-01 第7441次迭代 f(x_7441)
=1.314929800339845e-07, x1 = 9.996379992170835e-01, x2 = 9.992740119018124e-01 第7442次
迭代 f(x_7442) =1.312818234957963e-07, x1 = 9.996377311941533e-01, x2 =
9.992749368484455e-01 第7443次迭代 f(x_7443) =1.310707161671776e-07, x1 =
9.996385933824076e-01, x2 = 9.992751820272980e-01 第7444次迭代 f(x_7444)
=1.308611345111138e-07, x1 = 9.996383139417413e-01, x2 = 9.992760928942165e-01 第7445次
迭代 f(x_7445) =1.306510913368520e-07, x1 = 9.996391672166786e-01, x2 =
9.992763414430901e-01 第7446次迭代 f(x_7446) =1.304418344590680e-07, x1 =
9.996388956989579e-01, x2 = 9.992772471222526e-01 第7447次迭代 f(x_7447)
=1.302328408344773e-07, x1 = 9.996397401848867e-01, x2 = 9.992774989808161e-01 第7448次
迭代 f(x_7448) =1.300239151219123e-07, x1 = 9.996394701439627e-01, x2 =
9.992784211315998e-01 第7449次迭代 f(x_7449) =1.298146583355885e-07, x1 =
9.996403315421540e-01, x2 = 9.992786634582340e-01 第7450次迭代 f(x_7450)
=1.296071673119420e-07, x1 = 9.996400533200945e-01, x2 = 9.992795612578261e-01 第7451次
迭代 f(x_7451) =1.293996028756862e-07, x1 = 9.996408932809782e-01, x2 =
9.992798132179270e-01 第7452次迭代 f(x_7452) =1.291918997832667e-07, x1 =
9.996406259510867e-01, x2 = 9.992807314924071e-01 第7453次迭代 f(x_7453)
=1.289840792776029e-07, x1 = 9.996414827195430e-01, x2 = 9.992809739763412e-01 第7454次
迭代 f(x_7454) =1.287778465948633e-07, x1 = 9.996412072204405e-01, x2 =
9.992818679847895e-01 第7455次迭代 f(x_7455) =1.285717006061132e-07, x1 =
9.996420426907852e-01, x2 = 9.992821200361167e-01 第7456次迭代 f(x_7456)
=1.283652142764604e-07, x1 = 9.996417780429471e-01, x2 = 9.992830344568538e-01 第7457次
迭代 f(x_7457) =1.281588191727633e-07, x1 = 9.996426302170582e-01, x2 =
9.992832770873242e-01 第7458次迭代 f(x_7458) =1.279538792611007e-07, x1 =
9.996423542664047e-01, x2 = 9.992841775919906e-01 第7459次迭代 f(x_7459)
=1.277485232967785e-07, x1 = 9.996431976472461e-01, x2 = 9.992844235446081e-01 第7460次
迭代 f(x_7460) =1.275439020543602e-07, x1 = 9.996429295108570e-01, x2 =
9.992853189295748e-01 第7461次迭代 f(x_7461) =1.273395710111006e-07, x1 =
9.996437642208158e-01, x2 = 9.992855681449484e-01 第7462次迭代 f(x_7462)
=1.271352686324414e-07, x1 = 9.996434975329578e-01, x2 = 9.992864798233675e-01 第7463次
迭代 f(x_7463) =1.269306806119653e-07, x1 = 9.996443489710389e-01, x2 =
9.992867196109493e-01 第7464次迭代 f(x_7464) =1.267277896916309e-07, x1 =
9.996440741769136e-01, x2 = 9.992876072185412e-01 第7465次迭代 f(x_7465)
=1.265248543749737e-07, x1 = 9.996449044437805e-01, x2 = 9.992878565186566e-01 第7466次
迭代 f(x_7466) =1.263217494897031e-07, x1 = 9.996446404048710e-01, x2 =
9.992887643799890e-01 第7467次迭代 f(x_7467) =1.261185640396870e-07, x1 =
9.996454872971409e-01, x2 = 9.992890043070518e-01 第7468次迭代 f(x_7468)
=1.259169047192483e-07, x1 = 9.996452151640701e-01, x2 = 9.992898881816070e-01 第7469次
迭代 f(x_7469) =1.257153546721777e-07, x1 = 9.996460410214841e-01, x2 =
9.992901375565088e-01 第7470次迭代 f(x_7470) =1.255134414982204e-07, x1 =
9.996457796033561e-01, x2 = 9.992910416228191e-01 第7471次迭代 f(x_7471)
=1.253116480294385e-07, x1 = 9.996466219843149e-01, x2 = 9.992912816789662e-01 第7472次
迭代 f(x_7472) =1.251112517225031e-07, x1 = 9.996463493767054e-01, x2 =
9.992921719911697e-01 第7473次迭代 f(x_7473) =1.249104731271254e-07, x1 =
9.996471830811912e-01, x2 = 9.992924153230781e-01 第7474次迭代 f(x_7474)
=1.247103893497345e-07, x1 = 9.996469181822694e-01, x2 = 9.992933005819332e-01 第7475次

迭代 $f(x_{7475}) = 1.245106117807839e-07$, $x_1 = 9.996477433308039e-01$, $x_2 = 9.992935471311245e-01$ 第7476次迭代 $f(x_{7476}) = 1.243108366421081e-07$, $x_1 = 9.996474798518208e-01$, $x_2 = 9.992944485075764e-01$ 第7477次迭代 $f(x_{7477}) = 1.241108078366833e-07$, $x_1 = 9.996483215492212e-01$, $x_2 = 9.992946857305377e-01$ 第7478次迭代 $f(x_{7478}) = 1.239124187899252e-07$, $x_1 = 9.996480500389214e-01$, $x_2 = 9.992955633129319e-01$ 第7479次迭代 $f(x_{7479}) = 1.237140043502178e-07$, $x_1 = 9.996488708240582e-01$, $x_2 = 9.992958099309274e-01$ 第7480次迭代 $f(x_{7480}) = 1.235154019900711e-07$, $x_1 = 9.996486099339947e-01$, $x_2 = 9.992967075481670e-01$ 第7481次迭代 $f(x_{7481}) = 1.233167429216767e-07$, $x_1 = 9.996494471671916e-01$, $x_2 = 9.992969448936773e-01$ 第7482次迭代 $f(x_{7482}) = 1.231195592399602e-07$, $x_1 = 9.996491782580840e-01$, $x_2 = 9.992978187998186e-01$ 第7483次迭代 $f(x_{7483}) = 1.229224977473510e-07$, $x_1 = 9.996499947126241e-01$, $x_2 = 9.992980654770045e-01$ 第7484次迭代 $f(x_{7484}) = 1.227250624609034e-07$, $x_1 = 9.996497363840956e-01$, $x_2 = 9.992989593566161e-01$ 第7485次迭代 $f(x_{7485}) = 1.225277628202345e-07$, $x_1 = 9.996505691867302e-01$, $x_2 = 9.992991968146310e-01$ 第7486次迭代 $f(x_{7486}) = 1.223318138825185e-07$, $x_1 = 9.996502997804915e-01$, $x_2 = 9.993000771004358e-01$ 第7487次迭代 $f(x_{7487}) = 1.221355055707133e-07$, $x_1 = 9.996511240203043e-01$, $x_2 = 9.993003177892635e-01$ 第7488次迭代 $f(x_{7488}) = 1.219398630018535e-07$, $x_1 = 9.996508622201793e-01$, $x_2 = 9.993011930864192e-01$ 第7489次迭代 $f(x_{7489}) = 1.217445325290482e-07$, $x_1 = 9.996516780158797e-01$, $x_2 = 9.993014369484674e-01$ 第7490次迭代 $f(x_{7490}) = 1.215491903050711e-07$, $x_1 = 9.996514176067953e-01$, $x_2 = 9.993023281896426e-01$ 第7491次迭代 $f(x_{7491}) = 1.213536139194801e-07$, $x_1 = 9.996522497768446e-01$, $x_2 = 9.993025628245210e-01$ 第7492次迭代 $f(x_{7492}) = 1.211596304791431e-07$, $x_1 = 9.996519814114394e-01$, $x_2 = 9.993034305448717e-01$ 第7493次迭代 $f(x_{7493}) = 1.209656313763912e-07$, $x_1 = 9.996527929212572e-01$, $x_2 = 9.993036744606074e-01$ 第7494次迭代 $f(x_{7494}) = 1.207714376274095e-07$, $x_1 = 9.996525350430401e-01$, $x_2 = 9.993045619991453e-01$ 第7495次迭代 $f(x_{7495}) = 1.205771989949470e-07$, $x_1 = 9.996533628282592e-01$, $x_2 = 9.993047967404897e-01$ 第7496次迭代 $f(x_{7496}) = 1.203843951849856e-07$, $x_1 = 9.996530970061466e-01$, $x_2 = 9.993056608400898e-01$ 第7497次迭代 $f(x_{7497}) = 1.201917175361050e-07$, $x_1 = 9.996539042620720e-01$, $x_2 = 9.993059048002284e-01$ 第7498次迭代 $f(x_{7498}) = 1.199986666358867e-07$, $x_1 = 9.996536488880938e-01$, $x_2 = 9.993067886572468e-01$ 第7499次迭代 $f(x_{7499}) = 1.198057557182260e-07$, $x_1 = 9.996544723212922e-01$, $x_2 = 9.993070234953527e-01$ 第7500次迭代 $f(x_{7500}) = 1.196141597925088e-07$, $x_1 = 9.996542059798360e-01$, $x_2 = 9.993078939172158e-01$ 第7501次迭代 $f(x_{7501}) = 1.194222173543863e-07$, $x_1 = 9.996550209608193e-01$, $x_2 = 9.993081319425744e-01$ 第7502次迭代 $f(x_{7502}) = 1.192309216253047e-07$, $x_1 = 9.996547621258064e-01$, $x_2 = 9.993089974388862e-01$ 第7503次迭代 $f(x_{7503}) = 1.190399345204455e-07$, $x_1 = 9.996555687715230e-01$, $x_2 = 9.993092385947657e-01$ 第7504次迭代 $f(x_{7504}) = 1.188489326367892e-07$, $x_1 = 9.996553112983679e-01$, $x_2 = 9.993101198637642e-01$ 第7505次迭代 $f(x_{7505}) = 1.186577045506400e-07$, $x_1 = 9.996561341485134e-01$, $x_2 = 9.993103518891047e-01$ 第7506次迭代 $f(x_{7506}) = 1.184680323819304e-07$, $x_1 = 9.996558687940458e-01$, $x_2 = 9.993112099070312e-01$ 第7507次迭代 $f(x_{7507}) = 1.182783457007355e-07$, $x_1 = 9.996566712292896e-01$, $x_2 = 9.993114511022686e-01$ 第7508次迭代 $f(x_{7508}) = 1.180884683989966e-07$, $x_1 = 9.996564162308534e-01$, $x_2 = 9.993123287239447e-01$ 第7509次迭代 $f(x_{7509}) = 1.178985469058103e-07$, $x_1 = 9.996572347733845e-01$, $x_2 = 9.993125608404821e-01$ 第7510次迭代 $f(x_{7510}) = 1.177100291268475e-07$, $x_1 = 9.996569719061997e-01$, $x_2 = 9.993134152919184e-01$ 第7511次迭代 $f(x_{7511}) = 1.175216332107834e-07$, $x_1 = 9.996577701621779e-01$, $x_2 = 9.993136565175454e-01$ 第7512次迭代 $f(x_{7512}) = 1.173328749445628e-07$, $x_1 =$

9.996575176125613e-01, x2 = 9.993145305125652e-01 第7513次迭代 f(x_7513)
=1.171442502684768e-07, x1 = 9.996583318794839e-01, x2 = 9.993147627109216e-01 第7514次
迭代 f(x_7514)=1.169569148496354e-07, x1 = 9.996580684711049e-01, x2 =
9.993156234278050e-01 第7515次迭代 f(x_7515)=1.167692364738424e-07, x1 =
9.996588743934715e-01, x2 = 9.993158587711952e-01 第7516次迭代 f(x_7516)
=1.165821950765488e-07, x1 = 9.996586183946741e-01, x2 = 9.993167146240738e-01 第7517次
迭代 f(x_7517)=1.163954501851775e-07, x1 = 9.996594160877219e-01, x2 =
9.993169530566016e-01 第7518次迭代 f(x_7518)=1.162086978004803e-07, x1 =
9.996591614213349e-01, x2 = 9.993178245130447e-01 第7519次迭代 f(x_7519)
=1.160217164907923e-07, x1 = 9.996599751533533e-01, x2 = 9.993180539093046e-01 第7520次
迭代 f(x_7520)=1.158362631605597e-07, x1 = 9.996597126806421e-01, x2 =
9.993189023810024e-01 第7521次迭代 f(x_7521)=1.156507885350340e-07, x1 =
9.996605062365933e-01, x2 = 9.993191408393133e-01 第7522次迭代 f(x_7522)
=1.154651372480158e-07, x1 = 9.996602539906110e-01, x2 = 9.993200087025272e-01 第7523次
迭代 f(x_7523)=1.152794321700134e-07, x1 = 9.996610634901458e-01, x2 =
9.993202381754953e-01 第7524次迭代 f(x_7524)=1.150951084763283e-07, x1 =
9.996608034505293e-01, x2 = 9.993210831337590e-01 第7525次迭代 f(x_7525)
=1.149108947077069e-07, x1 = 9.996615928998336e-01, x2 = 9.993213216091886e-01 第7526次
迭代 f(x_7526)=1.147263390527133e-07, x1 = 9.996613430490604e-01, x2 =
9.993221858994014e-01 第7527次迭代 f(x_7527)=1.145419006847477e-07, x1 =
9.996621483473404e-01, x2 = 9.993224154400139e-01 第7528次迭代 f(x_7528)
=1.143587350931672e-07, x1 = 9.996618877450277e-01, x2 = 9.993232666074915e-01 第7529次
迭代 f(x_7529)=1.141752214924961e-07, x1 = 9.996626848035551e-01, x2 =
9.993234992522155e-01 第7530次迭代 f(x_7530)=1.139923437524083e-07, x1 =
9.996624315166809e-01, x2 = 9.993243456157290e-01 第7531次迭代 f(x_7531)
=1.138097424210880e-07, x1 = 9.996632204490316e-01, x2 = 9.993245813094804e-01 第7532次
迭代 f(x_7532)=1.136271504078074e-07, x1 = 9.996629684648730e-01, x2 =
9.993254431096152e-01 第7533次迭代 f(x_7533)=1.134443168745928e-07, x1 =
9.996637732750676e-01, x2 = 9.993256698590758e-01 第7534次迭代 f(x_7534)
=1.132629918208911e-07, x1 = 9.996635135595228e-01, x2 = 9.993265089374200e-01 第7535次
迭代 f(x_7535)=1.130816313627036e-07, x1 = 9.996642984261895e-01, x2 =
9.993267446441014e-01 第7536次迭代 f(x_7536)=1.129001173694866e-07, x1 =
9.996640488098876e-01, x2 = 9.993276029039163e-01 第7537次迭代 f(x_7537)
=1.127185304817244e-07, x1 = 9.996648494607162e-01, x2 = 9.993278297163438e-01 第7538次
迭代 f(x_7538)=1.125383107921570e-07, x1 = 9.996645921258316e-01, x2 =
9.993286653331432e-01 第7539次迭代 f(x_7539)=1.123581820401644e-07, x1 =
9.996653729565314e-01, x2 = 9.993289010443833e-01 第7540次迭代 f(x_7540)
=1.121777406830264e-07, x1 = 9.996651256835696e-01, x2 = 9.993297557836814e-01 第7541次
迭代 f(x_7541)=1.119973911652169e-07, x1 = 9.996659222055093e-01, x2 =
9.993299826503146e-01 第7542次迭代 f(x_7542)=1.118183065201190e-07, x1 =
9.996656642867595e-01, x2 = 9.993308244206768e-01 第7543次迭代 f(x_7543)
=1.116388608597915e-07, x1 = 9.996664526709856e-01, x2 = 9.993310543517522e-01 第7544次
迭代 f(x_7544)=1.114600579080986e-07, x1 = 9.996662019761616e-01, x2 =
9.993318913767316e-01 第7545次迭代 f(x_7545)=1.112815039136291e-07, x1 =
9.996669823346338e-01, x2 = 9.993321243179538e-01 第7546次迭代 f(x_7546)
=1.111029848377241e-07, x1 = 9.99667329126032e-01, x2 = 9.993329766147572e-01 第7547次
迭代 f(x_7547)=1.109242025321869e-07, x1 = 9.996675289919978e-01, x2 =
9.993332007014369e-01 第7548次迭代 f(x_7548)=1.107469170331722e-07, x1 =
9.996672719134394e-01, x2 = 9.993340305360852e-01 第7549次迭代 f(x_7549)
=1.105695752617887e-07, x1 = 9.996680482757432e-01, x2 = 9.993342634780767e-01 第7550次

迭代 $f(x_{7550}) = 1.103921115327131e-07$, $x_1 = 9.996678011707222e-01$, $x_2 = 9.993351122863211e-01$ 第7551次迭代 $f(x_{7551}) = 1.102145470382401e-07$, $x_1 = 9.996685931619229e-01$, $x_2 = 9.993353364229434e-01$ 第7552次迭代 $f(x_{7552}) = 1.100383431051669e-07$, $x_1 = 9.996683384132805e-01$, $x_2 = 9.993361628468038e-01$ 第7553次迭代 $f(x_{7553}) = 1.098622046244882e-07$, $x_1 = 9.996691108084229e-01$, $x_2 = 9.993363957814757e-01$ 第7554次迭代 $f(x_{7554}) = 1.096857909406771e-07$, $x_1 = 9.996688659965515e-01$, $x_2 = 9.993372411205516e-01$ 第7555次迭代 $f(x_{7555}) = 1.095094352204168e-07$, $x_1 = 9.996696539293081e-01$, $x_2 = 9.993374652986459e-01$ 第7556次迭代 $f(x_{7556}) = 1.093343444123994e-07$, $x_1 = 9.996693985759512e-01$, $x_2 = 9.993382978209981e-01$ 第7557次迭代 $f(x_{7557}) = 1.091588722413489e-07$, $x_1 = 9.996701784703543e-01$, $x_2 = 9.993385250250768e-01$ 第7558次迭代 $f(x_{7558}) = 1.089840569875157e-07$, $x_1 = 9.996699302519565e-01$, $x_2 = 9.993393528592119e-01$ 第7559次迭代 $f(x_{7559}) = 1.088094564687734e-07$, $x_1 = 9.996707022183953e-01$, $x_2 = 9.993395830357461e-01$ 第7560次迭代 $f(x_{7560}) = 1.086349239097751e-07$, $x_1 = 9.996704610267775e-01$, $x_2 = 9.993404062374687e-01$ 第7561次迭代 $f(x_{7561}) = 1.084611834437660e-07$, $x_1 = 9.996712251740359e-01$, $x_2 = 9.993406393337280e-01$ 第7562次迭代 $f(x_{7562}) = 1.082868307723244e-07$, $x_1 = 9.996709852844452e-01$, $x_2 = 9.993414775898277e-01$ 第7563次迭代 $f(x_{7563}) = 1.081128848537044e-07$, $x_1 = 9.996717647768119e-01$, $x_2 = 9.993417020320228e-01$ 第7564次迭代 $f(x_{7564}) = 1.079398854297850e-07$, $x_1 = 9.996715144268806e-01$, $x_2 = 9.993425275465345e-01$ 第7565次迭代 $f(x_{7565}) = 1.077668069403081e-07$, $x_1 = 9.996722859875107e-01$, $x_2 = 9.993427549677995e-01$ 第7566次迭代 $f(x_{7566}) = 1.075940838086650e-07$, $x_1 = 9.996720426721909e-01$, $x_2 = 9.993435758514058e-01$ 第7567次迭代 $f(x_{7567}) = 1.074218611503275e-07$, $x_1 = 9.996728064098640e-01$, $x_2 = 9.993438061990052e-01$ 第7568次迭代 $f(x_{7568}) = 1.072493669099479e-07$, $x_1 = 9.996725643536585e-01$, $x_2 = 9.993446420829325e-01$ 第7569次迭代 $f(x_{7569}) = 1.070769313787904e-07$, $x_1 = 9.996733434671526e-01$, $x_2 = 9.993448637659322e-01$ 第7570次迭代 $f(x_{7570}) = 1.069057314602234e-07$, $x_1 = 9.996730909748682e-01$, $x_2 = 9.993456869824950e-01$ 第7571次迭代 $f(x_{7571}) = 1.067341592072703e-07$, $x_1 = 9.996738621525885e-01$, $x_2 = 9.993459116512887e-01$ 第7572次迭代 $f(x_{7572}) = 1.065632292114189e-07$, $x_1 = 9.996736167029906e-01$, $x_2 = 9.993467302383057e-01$ 第7573次迭代 $f(x_{7573}) = 1.063925086392862e-07$, $x_1 = 9.996743800537156e-01$, $x_2 = 9.993469578401509e-01$ 第7574次迭代 $f(x_{7574}) = 1.062218555190674e-07$, $x_1 = 9.996741415402062e-01$, $x_2 = 9.993477718526171e-01$ 第7575次迭代 $f(x_{7575}) = 1.060519753195440e-07$, $x_1 = 9.996748971711363e-01$, $x_2 = 9.993480023355570e-01$ 第7576次迭代 $f(x_{7576}) = 1.058814990188249e-07$, $x_1 = 9.996746599326042e-01$, $x_2 = 9.993488312404627e-01$ 第7577次迭代 $f(x_{7577}) = 1.057114173512141e-07$, $x_1 = 9.996754307502475e-01$, $x_2 = 9.993490531595475e-01$ 第7578次迭代 $f(x_{7578}) = 1.055422643650928e-07$, $x_1 = 9.996751831558022e-01$, $x_2 = 9.993498694714199e-01$ 第7579次迭代 $f(x_{7579}) = 1.053730302989701e-07$, $x_1 = 9.996759461421513e-01$, $x_2 = 9.993500943303808e-01$ 第7580次迭代 $f(x_{7580}) = 1.052041478842445e-07$, $x_1 = 9.996757054921024e-01$, $x_2 = 9.993509060689112e-01$ 第7581次迭代 $f(x_{7581}) = 1.050357501114395e-07$, $x_1 = 9.996764607543620e-01$, $x_2 = 9.993511338157816e-01$ 第7582次迭代 $f(x_{7582}) = 1.048670929877232e-07$, $x_1 = 9.996762213365487e-01$, $x_2 = 9.993519603934534e-01$ 第7583次迭代 $f(x_{7583}) = 1.046984863913506e-07$, $x_1 = 9.996769918169539e-01$, $x_2 = 9.993521795655201e-01$ 第7584次迭代 $f(x_{7584}) = 1.045310944556820e-07$, $x_1 = 9.996767420670267e-01$, $x_2 = 9.993529936236478e-01$ 第7585次迭代 $f(x_{7585}) = 1.043633314519499e-07$, $x_1 = 9.996775047115790e-01$, $x_2 = 9.993532157425223e-01$ 第7586次迭代 $f(x_{7586}) = 1.041962038159718e-07$, $x_1 = 9.996772619145947e-01$, $x_2 = 9.993540252283715e-01$ 第7587次迭代 $f(x_{7587}) = 1.040292730959294e-07$, $x_1 =$

9.996780168305068e-01, x2 = 9.993542502420759e-01 第7588次迭代 f(x_7588)
=1.038624165328475e-07, x1 = 9.996777808814044e-01, x2 = 9.993550552098543e-01 第7589次
迭代 f(x_7589)=1.036963070688409e-07, x1 = 9.996785281743363e-01, x2 =
9.993552830671832e-01 第7590次迭代 f(x_7590)=1.035296255611069e-07, x1 =
9.996782934729356e-01, x2 = 9.993561027675374e-01 第7591次迭代 f(x_7591)
=1.033633183142546e-07, x1 = 9.996790557982089e-01, x2 = 9.993563221490868e-01 第7592次
迭代 f(x_7592)=1.031979296920099e-07, x1 = 9.996788108438964e-01, x2 =
9.993571294034306e-01 第7593次迭代 f(x_7593)=1.030324507885405e-07, x1 =
9.996795654357230e-01, x2 = 9.993573516868355e-01 第7594次迭代 f(x_7594)
=1.028673270325550e-07, x1 = 9.996793273380584e-01, x2 = 9.993581544240284e-01 第7595次
迭代 f(x_7595)=1.027026654435104e-07, x1 = 9.996800743021113e-01, x2 =
9.993583795580696e-01 第7596次迭代 f(x_7596)=1.025377646799649e-07, x1 =
9.996798374095786e-01, x2 = 9.993591969752890e-01 第7597次迭代 f(x_7597)
=1.023728980180174e-07, x1 = 9.996805994381004e-01, x2 = 9.993594136222019e-01 第7598次
迭代 f(x_7598)=1.022092328080730e-07, x1 = 9.996803523159991e-01, x2 =
9.993602186661729e-01 第7599次迭代 f(x_7599)=1.020451906181703e-07, x1 =
9.996811066060123e-01, x2 = 9.993604382220721e-01 第7600次迭代 f(x_7600)
=1.018817840996538e-07, x1 = 9.996808663495589e-01, x2 = 9.993612387496696e-01 第7601次
迭代 f(x_7601)=1.017185553507213e-07, x1 = 9.996816130067536e-01, x2 =
9.993614611633201e-01 第7602次迭代 f(x_7602)=1.015554141246803e-07, x1 =
9.996813795123817e-01, x2 = 9.993622572279860e-01 第7603次迭代 f(x_7603)
=1.013929880592776e-07, x1 = 9.996821186409203e-01, x2 = 9.993624824489132e-01 第7604次
迭代 f(x_7604)=1.012300213322214e-07, x1 = 9.996818863667651e-01, x2 =
9.993632930883353e-01 第7605次迭代 f(x_7605)=1.010674008876461e-07, x1 =
9.996826403771807e-01, x2 = 9.993635099194842e-01 第7606次迭代 f(x_7606)
=1.009056961952584e-07, x1 = 9.996823979517111e-01, x2 = 9.993643082584006e-01 第7607次
迭代 f(x_7607)=1.007438853859249e-07, x1 = 9.996831443240121e-01, x2 =
9.993645279545190e-01 第7608次迭代 f(x_7608)=1.005824398760783e-07, x1 =
9.996829086698303e-01, x2 = 9.993653218311445e-01 第7609次迭代 f(x_7609)
=1.004214279418893e-07, x1 = 9.996836475082008e-01, x2 = 9.993655443417397e-01 第7610次
迭代 f(x_7610)=1.002602043325312e-07, x1 = 9.996834130318387e-01, x2 =
9.993663527413108e-01 第7611次迭代 f(x_7611)=1.000989907953682e-07, x1 =
9.996841667848850e-01, x2 = 9.993665668503914e-01 第7612次迭代 f(x_7612)
=9.993893461898500e-08, x1 = 9.996839249684337e-01, x2 = 9.993673539456768e-01 第7613次
迭代 f(x_7613)=9.977901046829522e-08, x1 = 9.996846601324820e-01, x2 =
9.993675763962402e-01 第7614次迭代 f(x_7614)=9.961874657120489e-08, x1 =
9.996844277337446e-01, x2 = 9.993683815436094e-01 第7615次迭代 f(x_7615)
=9.945862552494420e-08, x1 = 9.996851777282313e-01, x2 = 9.993685956377801e-01 第7616次
迭代 f(x_7616)=9.929957737277876e-08, x1 = 9.996849352385934e-01, x2 =
9.993693885933321e-01 第7617次迭代 f(x_7617)=9.914025521252878e-08, x1 =
9.996856776360716e-01, x2 = 9.993696055395261e-01 第7618次迭代 f(x_7618)
=9.898146016906659e-08, x1 = 9.996854418834694e-01, x2 = 9.993703940585530e-01 第7619次
迭代 f(x_7619)=9.882292625665164e-08, x1 = 9.996861767874474e-01, x2 =
9.993706138066026e-01 第7620次迭代 f(x_7620)=9.866437942243320e-08, x1 =
9.996859421759059e-01, x2 = 9.993714167461247e-01 第7621次迭代 f(x_7621)
=9.850564142030092e-08, x1 = 9.996866919436979e-01, x2 = 9.993716281257203e-01 第7622次
迭代 f(x_7622)=9.834820124902776e-08, x1 = 9.996864500529818e-01, x2 =
9.993724099301623e-01 第7623次迭代 f(x_7623)=9.819073808013096e-08, x1 =
9.996871813167345e-01, x2 = 9.993726296163090e-01 第7624次迭代 f(x_7624)
=9.803313528821838e-08, x1 = 9.996869487614576e-01, x2 = 9.993734293320179e-01 第7625次

迭代 $f(x_{7625}) = 9.787547268433545e-08$, $x_1 = 9.996876948055424e-01$, $x_2 = 9.993736406944308e-01$ 第7626次迭代 $f(x_{7626}) = 9.771899707690038e-08$, $x_1 = 9.996874549844779e-01$, $x_2 = 9.993744193477316e-01$ 第7627次迭代 $f(x_{7627}) = 9.756259686806749e-08$, $x_1 = 9.996881826334815e-01$, $x_2 = 9.993746389652798e-01$ 第7628次迭代 $f(x_{7628}) = 9.740593323002499e-08$, $x_1 = 9.996879521138686e-01$, $x_2 = 9.993754354745061e-01$ 第7629次迭代 $f(x_{7629}) = 9.724933815654218e-08$, $x_1 = 9.996886944603733e-01$, $x_2 = 9.993756468127061e-01$ 第7630次迭代 $f(x_{7630}) = 9.709385420017146e-08$, $x_1 = 9.996884539467291e-01$, $x_2 = 9.993764312742510e-01$ 第7631次迭代 $f(x_{7631}) = 9.693804064054585e-08$, $x_1 = 9.996891887822349e-01$, $x_2 = 9.993766454320387e-01$ 第7632次迭代 $f(x_{7632}) = 9.678280376848828e-08$, $x_1 = 9.996889549293386e-01$, $x_2 = 9.993774255071561e-01$ 第7633次迭代 $f(x_{7633}) = 9.662776132489347e-08$, $x_1 = 9.996896823560061e-01$, $x_2 = 9.993776424350204e-01$ 第7634次迭代 $f(x_{7634}) = 9.64727774006904e-08$, $x_1 = 9.996894550637568e-01$, $x_2 = 9.993784181753772e-01$ 第7635次迭代 $f(x_{7635}) = 9.631849627165457e-08$, $x_1 = 9.996901751822762e-01$, $x_2 = 9.993786378245381e-01$ 第7636次迭代 $f(x_{7636}) = 9.616367570161482e-08$, $x_1 = 9.996899490562046e-01$, $x_2 = 9.993794277817019e-01$ 第7637次迭代 $f(x_{7637}) = 9.600920926521312e-08$, $x_1 = 9.996906836970036e-01$, $x_2 = 9.993796392450266e-01$ 第7638次迭代 $f(x_{7638}) = 9.585559202411824e-08$, $x_1 = 9.996904476529800e-01$, $x_2 = 9.993804172255008e-01$ 第7639次迭代 $f(x_{7639}) = 9.570189318599299e-08$, $x_1 = 9.996911748786066e-01$, $x_2 = 9.993806314665221e-01$ 第7640次迭代 $f(x_{7640}) = 9.554852334257614e-08$, $x_1 = 9.996909454053650e-01$, $x_2 = 9.993814051122796e-01$ 第7641次迭代 $f(x_{7641}) = 9.539558195627862e-08$, $x_1 = 9.996916653165492e-01$, $x_2 = 9.993816220821913e-01$ 第7642次迭代 $f(x_{7642}) = 9.524242125132927e-08$, $x_1 = 9.996914369675129e-01$, $x_2 = 9.993824098945842e-01$ 第7643次迭代 $f(x_{7643}) = 9.508928783703455e-08$, $x_1 = 9.996921714351611e-01$, $x_2 = 9.993826186661139e-01$ 第7644次迭代 $f(x_{7644}) = 9.493724075795725e-08$, $x_1 = 9.996919359059152e-01$, $x_2 = 9.993833857274192e-01$ 第7645次迭代 $f(x_{7645}) = 9.478533041027554e-08$, $x_1 = 9.996926522872356e-01$, $x_2 = 9.993836026132269e-01$ 第7646次迭代 $f(x_{7646}) = 9.463308412537976e-08$, $x_1 = 9.996924259111820e-01$, $x_2 = 9.993843872818663e-01$ 第7647次迭代 $f(x_{7647}) = 9.448098609800985e-08$, $x_1 = 9.996931567681953e-01$, $x_2 = 9.993845960126054e-01$ 第7648次迭代 $f(x_{7648}) = 9.432989745864013e-08$, $x_1 = 9.996929205325651e-01$, $x_2 = 9.993853688107384e-01$ 第7649次迭代 $f(x_{7649}) = 9.417855699914155e-08$, $x_1 = 9.996936440123347e-01$, $x_2 = 9.993855803076218e-01$ 第7650次迭代 $f(x_{7650}) = 9.402770983062051e-08$, $x_1 = 9.996934143162182e-01$, $x_2 = 9.993863487950939e-01$ 第7651次迭代 $f(x_{7651}) = 9.387711690277867e-08$, $x_1 = 9.996941305188515e-01$, $x_2 = 9.993865630096141e-01$ 第7652次迭代 $f(x_{7652}) = 9.372650569332755e-08$, $x_1 = 9.996939019101986e-01$, $x_2 = 9.993873455643271e-01$ 第7653次迭代 $f(x_{7653}) = 9.357571805550382e-08$, $x_1 = 9.996946326232548e-01$, $x_2 = 9.993875516109244e-01$ 第7654次迭代 $f(x_{7654}) = 9.342616007910638e-08$, $x_1 = 9.996943968947193e-01$, $x_2 = 9.993883135789841e-01$ 第7655次迭代 $f(x_{7655}) = 9.327658210092500e-08$, $x_1 = 9.996951095993971e-01$, $x_2 = 9.993885277082371e-01$ 第7656次迭代 $f(x_{7656}) = 9.312687030722448e-08$, $x_1 = 9.996948829442500e-01$, $x_2 = 9.993893071461941e-01$ 第7657次迭代 $f(x_{7657}) = 9.297710192285510e-08$, $x_1 = 9.996956100792809e-01$, $x_2 = 9.993895131504634e-01$ 第7658次迭代 $f(x_{7658}) = 9.282846179997808e-08$, $x_1 = 9.996953763177795e-01$, $x_2 = 9.993902720723551e-01$ 第7659次迭代 $f(x_{7659}) = 9.267989143369620e-08$, $x_1 = 9.996960855486055e-01$, $x_2 = 9.993904861101779e-01$ 第7660次迭代 $f(x_{7660}) = 9.253107434389010e-08$, $x_1 = 9.996958608276225e-01$, $x_2 = 9.993912624479020e-01$ 第7661次迭代 $f(x_{7661}) = 9.238231779808427e-08$, $x_1 = 9.996965844093463e-01$, $x_2 = 9.993914684033638e-01$ 第7662次迭代 $f(x_{7662}) = 9.223462176458146e-08$, $x_1 =$

9.996963499226021e-01, x2 = 9.993922330113580e-01 第7663次迭代 f(x_7663)
=9.208660653843984e-08, x1 = 9.996970662078847e-01, x2 = 9.993924417028620e-01 第7664次
迭代 f(x_7664)=9.193914603277785e-08, x1 = 9.996968381892982e-01, x2 =
9.993932020475251e-01 第7665次迭代 f(x_7665) =9.179186231028170e-08, x1 =
9.996975472769858e-01, x2 = 9.993934134271770e-01 第7666次迭代 f(x_7666)
=9.164464317425842e-08, x1 = 9.996973256297094e-01, x2 = 9.993941695585086e-01 第7667次
迭代 f(x_7667) =9.149808138052862e-08, x1 = 9.996980276172315e-01, x2 =
9.993943835791194e-01 第7668次迭代 f(x_7668) =9.135102001013507e-08, x1 =
9.996978070809065e-01, x2 = 9.993951535796656e-01 第7669次迭代 f(x_7669)
=9.120428121954015e-08, x1 = 9.996985232510213e-01, x2 = 9.993953596078204e-01 第7670次
迭代 f(x_7670) =9.105836209897343e-08, x1 = 9.996982930229192e-01, x2 =
9.993961179479098e-01 第7671次迭代 f(x_7671) =9.091235156097047e-08, x1 =
9.996990019881540e-01, x2 = 9.993963266721948e-01 第7672次迭代 f(x_7672)
=9.076666813559511e-08, x1 = 9.996987781423422e-01, x2 = 9.993970807984447e-01 第7673次
迭代 f(x_7673) =9.062137626775328e-08, x1 = 9.996994800001822e-01, x2 =
9.993972921716356e-01 第7674次迭代 f(x_7674) =9.047589545741306e-08, x1 =
9.996992572237782e-01, x2 = 9.993980601185192e-01 第7675次迭代 f(x_7675)
=9.033041969824835e-08, x1 = 9.996999732996670e-01, x2 = 9.993982634859587e-01 第7676次
迭代 f(x_7676) =9.018599318474931e-08, x1 = 9.996997435021799e-01, x2 =
9.993990112192678e-01 第7677次迭代 f(x_7677) =9.004167880598101e-08, x1 =
9.997004419661978e-01, x2 = 9.993992224872648e-01 第7678次迭代 f(x_7678)
=8.989706896025826e-08, x1 = 9.997002210656059e-01, x2 = 9.993999873936840e-01 第7679次
迭代 f(x_7679) =8.975257471725538e-08, x1 = 9.997009336701534e-01, x2 =
9.994001906975432e-01 第7680次迭代 f(x_7680) =8.960906218064823e-08, x1 =
9.997007031341901e-01, x2 = 9.994009440472384e-01 第7681次迭代 f(x_7681)
=8.946528682415428e-08, x1 = 9.997014085688360e-01, x2 = 9.994011500369608e-01 第7682次
迭代 f(x_7682) =8.932200421156744e-08, x1 = 9.997011843866578e-01, x2 =
9.994018991952781e-01 第7683次迭代 f(x_7683) =8.917893825855078e-08, x1 =
9.997018827483136e-01, x2 = 9.994021078239147e-01 第7684次迭代 f(x_7684)
=8.903588539321209e-08, x1 = 9.997016595988599e-01, x2 = 9.994028707064284e-01 第7685次
迭代 f(x_7685) =8.889263271123579e-08, x1 = 9.997023721370196e-01, x2 =
9.994030713573379e-01 第7686次迭代 f(x_7686) =8.875057436532619e-08, x1 =
9.997021420261638e-01, x2 = 9.994038141860978e-01 第7687次迭代 f(x_7687)
=8.860847070409227e-08, x1 = 9.997028370238834e-01, x2 = 9.994040227090122e-01 第7688次
迭代 f(x_7688) =8.846627444559604e-08, x1 = 9.997026157324883e-01, x2 =
9.994047825767597e-01 第7689次迭代 f(x_7689) =8.832398804502963e-08, x1 =
9.997033248298444e-01, x2 = 9.994049831632117e-01 第7690次迭代 f(x_7690)
=8.818280293001916e-08, x1 = 9.997030965906715e-01, x2 = 9.994057230457832e-01 第7691次
迭代 f(x_7691) =8.804165463895710e-08, x1 = 9.997037882472825e-01, x2 =
9.994059314573002e-01 第7692次迭代 f(x_7692) =8.790031045212161e-08, x1 =
9.997035687957686e-01, x2 = 9.994066883260485e-01 第7693次迭代 f(x_7693)
=8.775898334077507e-08, x1 = 9.997042744757301e-01, x2 = 9.994068888420683e-01 第7694次
迭代 f(x_7694) =8.761866644260115e-08, x1 = 9.997040480901134e-01, x2 =
9.994076257939516e-01 第7695次迭代 f(x_7695) =8.747846665733364e-08, x1 =
9.997047364282390e-01, x2 = 9.994078340884800e-01 第7696次迭代 f(x_7696)
=8.733797001971665e-08, x1 = 9.997045187986209e-01, x2 = 9.994085879738792e-01 第7697次
迭代 f(x_7697) =8.719759526406256e-08, x1 = 9.997052210843865e-01, x2 =
9.994087884135787e-01 第7698次迭代 f(x_7698) =8.705816650837092e-08, x1 =
9.997049939451529e-01, x2 = 9.994095309141731e-01 第7699次迭代 f(x_7699)
=8.691848947027260e-08, x1 = 9.997056891783593e-01, x2 = 9.994097339939625e-01 第7700次

迭代 $f(x_{7700}) = 8.677928464193486e-08$, $x_1 = 9.997054682875014e-01$, $x_2 = 9.994104723704447e-01$ 第7701次迭代 $f(x_{7701}) = 8.664029614374983e-08$, $x_1 = 9.997061565632651e-01$, $x_2 = 9.994106780442509e-01$ 第7702次迭代 $f(x_{7702}) = 8.650131411505307e-08$, $x_1 = 9.997059366779294e-01$, $x_2 = 9.994114299543199e-01$ 第7703次迭代 $f(x_{7703}) = 8.636214387977672e-08$, $x_1 = 9.997066389379321e-01$, $x_2 = 9.994116277593332e-01$ 第7704次迭代 $f(x_{7704}) = 8.622412973887492e-08$, $x_1 = 9.997064121778019e-01$, $x_2 = 9.994123599098228e-01$ 第7705次迭代 $f(x_{7705}) = 8.608607502876609e-08$, $x_1 = 9.997070971638757e-01$, $x_2 = 9.994125654664494e-01$ 第7706次迭代 $f(x_{7706}) = 8.594792654346057e-08$, $x_1 = 9.997068790836079e-01$, $x_2 = 9.994133144181634e-01$ 第7707次迭代 $f(x_{7707}) = 8.580969391234904e-08$, $x_1 = 9.997075779788346e-01$, $x_2 = 9.994135121463310e-01$ 第7708次迭代 $f(x_{7708}) = 8.567252893356746e-08$, $x_1 = 9.997073530374466e-01$, $x_2 = 9.994142414059365e-01$ 第7709次迭代 $f(x_{7709}) = 8.553540131431335e-08$, $x_1 = 9.997080347559625e-01$, $x_2 = 9.994144468399738e-01$ 第7710次迭代 $f(x_{7710}) = 8.539808193311037e-08$, $x_1 = 9.997078184632191e-01$, $x_2 = 9.994151928486871e-01$ 第7711次迭代 $f(x_{7711}) = 8.526078014199846e-08$, $x_1 = 9.997085140163656e-01$, $x_2 = 9.994153904943086e-01$ 第7712次迭代 $f(x_{7712}) = 8.512445943396799e-08$, $x_1 = 9.997082908762224e-01$, $x_2 = 9.994161168781235e-01$ 第7713次迭代 $f(x_{7713}) = 8.498825226341440e-08$, $x_1 = 9.997089693491163e-01$, $x_2 = 9.994163221842414e-01$ 第7714次迭代 $f(x_{7714}) = 8.485175756021428e-08$, $x_1 = 9.997087548265373e-01$, $x_2 = 9.994170652651959e-01$ 第7715次迭代 $f(x_{7715}) = 8.471537990113458e-08$, $x_1 = 9.997094470600975e-01$, $x_2 = 9.994172628226533e-01$ 第7716次迭代 $f(x_{7716}) = 8.457992300211820e-08$, $x_1 = 9.997092231514745e-01$, $x_2 = 9.994179946884442e-01$ 第7717次迭代 $f(x_{7717}) = 8.444422265793427e-08$, $x_1 = 9.997099084461114e-01$, $x_2 = 9.994181948418849e-01$ 第7718次迭代 $f(x_{7718}) = 8.430898371876197e-08$, $x_1 = 9.997096906839710e-01$, $x_2 = 9.994189226488633e-01$ 第7719次迭代 $f(x_{7719}) = 8.417395180328656e-08$, $x_1 = 9.997103691330663e-01$, $x_2 = 9.994191253530601e-01$ 第7720次迭代 $f(x_{7720}) = 8.403893048576703e-08$, $x_1 = 9.997101523488860e-01$, $x_2 = 9.994198665061249e-01$ 第7721次迭代 $f(x_{7721}) = 8.390372141303255e-08$, $x_1 = 9.997108445958398e-01$, $x_2 = 9.994200614473393e-01$ 第7722次迭代 $f(x_{7722}) = 8.376963980591722e-08$, $x_1 = 9.997106210231799e-01$, $x_2 = 9.994207831303030e-01$ 第7723次迭代 $f(x_{7723}) = 8.363551408407983e-08$, $x_1 = 9.997112962544056e-01$, $x_2 = 9.994209857067067e-01$ 第7724次迭代 $f(x_{7724}) = 8.350130378464120e-08$, $x_1 = 9.997110812244417e-01$, $x_2 = 9.994217239563289e-01$ 第7725次迭代 $f(x_{7725}) = 8.336700455857088e-08$, $x_1 = 9.997117701801600e-01$, $x_2 = 9.994219188091840e-01$ 第7726次迭代 $f(x_{7726}) = 8.323374865867095e-08$, $x_1 = 9.997115483754276e-01$, $x_2 = 9.994226376550914e-01$ 第7727次迭代 $f(x_{7727}) = 8.310052264919012e-08$, $x_1 = 9.997122204102487e-01$, $x_2 = 9.994228400985442e-01$ 第7728次迭代 $f(x_{7728}) = 8.296711902408933e-08$, $x_1 = 9.997120071175642e-01$, $x_2 = 9.994235754596807e-01$ 第7729次迭代 $f(x_{7729}) = 8.283372309980632e-08$, $x_1 = 9.997126928040577e-01$, $x_2 = 9.994237702187371e-01$ 第7730次迭代 $f(x_{7730}) = 8.270128813648078e-08$, $x_1 = 9.997124727503586e-01$, $x_2 = 9.994244862422893e-01$ 第7731次迭代 $f(x_{7731}) = 8.256895541107775e-08$, $x_1 = 9.997131416100502e-01$, $x_2 = 9.994246885477100e-01$ 第7732次迭代 $f(x_{7732}) = 8.243635413021939e-08$, $x_1 = 9.997129300378850e-01$, $x_2 = 9.994254210352088e-01$ 第7733次迭代 $f(x_{7733}) = 8.230385501687840e-08$, $x_1 = 9.997136124769700e-01$, $x_2 = 9.994256156951065e-01$ 第7734次迭代 $f(x_{7734}) = 8.217226093420921e-08$, $x_1 = 9.997133916401918e-01$, $x_2 = 9.994263371348315e-01$ 第7735次迭代 $f(x_{7735}) = 8.204041946614413e-08$, $x_1 = 9.997140672504260e-01$, $x_2 = 9.994265343482038e-01$ 第7736次迭代 $f(x_{7736}) = 8.190903741403079e-08$, $x_1 = 9.997138524616143e-01$, $x_2 = 9.994272517925226e-01$ 第7737次迭代 $f(x_{7737}) = 8.177784498317442e-08$, $x_1 =$

9.997145213347026e-01, x2 = 9.994274515149597e-01 第7738次迭代 f(x_7738)
=8.164667698466458e-08, x1 = 9.997143074959617e-01, x2 = 9.994281821209157e-01 第7739次
迭代 f(x_7739) =8.151531159488485e-08, x1 = 9.997149899861993e-01, x2 =
9.994283741831653e-01 第7740次迭代 f(x_7740) =8.138505378804993e-08, x1 =
9.997147694449612e-01, x2 = 9.994290856038918e-01 第7741次迭代 f(x_7741)
=8.125474083277560e-08, x1 = 9.997154351696733e-01, x2 = 9.994292851887213e-01 第7742次
迭代 f(x_7742) =8.112436185817088e-08, x1 = 9.997152230363415e-01, x2 =
9.994300129447020e-01 第7743次迭代 f(x_7743) =8.099387944371468e-08, x1 =
9.997159023064977e-01, x2 = 9.994302049079085e-01 第7744次迭代 f(x_7744)
=8.086442449055531e-08, x1 = 9.997156834844049e-01, x2 = 9.994309135439828e-01 第7745次
迭代 f(x_7745) =8.073498473752864e-08, x1 = 9.997163460815643e-01, x2 =
9.994311129862874e-01 第7746次迭代 f(x_7746) =8.060539053833462e-08, x1 =
9.997161356372857e-01, x2 = 9.994318379068664e-01 第7747次迭代 f(x_7747)
=8.047578476540403e-08, x1 = 9.997168117087131e-01, x2 = 9.994320297658390e-01 第7748次
迭代 f(x_7748) =8.034712801417373e-08, x1 = 9.997165945894481e-01, x2 =
9.994327356315841e-01 第7749次迭代 f(x_7749) =8.021855524098678e-08, x1 =
9.997172540796967e-01, x2 = 9.994329349265192e-01 第7750次迭代 f(x_7750)
=8.008974158264935e-08, x1 = 9.997170453082841e-01, x2 = 9.994336570261649e-01 第7751次
迭代 f(x_7751) =7.996100616928784e-08, x1 = 9.997177182021488e-01, x2 =
9.994338487757889e-01 第7752次迭代 f(x_7752) =7.983316868609755e-08, x1 =
9.997175002854567e-01, x2 = 9.994345599928263e-01 第7753次迭代 f(x_7753)
=7.970507194984870e-08, x1 = 9.997181664571151e-01, x2 = 9.994347542549491e-01 第7754次
迭代 f(x_7754) =7.957744061444717e-08, x1 = 9.997179544931177e-01, x2 =
9.994354615381618e-01 第7755次迭代 f(x_7755) =7.944997421298840e-08, x1 =
9.997186140326544e-01, x2 = 9.994356582691631e-01 第7756次迭代 f(x_7756)
=7.932255395392740e-08, x1 = 9.997184079331041e-01, x2 = 9.994363616641410e-01 第7757次
迭代 f(x_7757) =7.919570974737041e-08, x1 = 9.997190609293271e-01, x2 =
9.994365608210355e-01 第7758次迭代 f(x_7758) =7.906842755436270e-08, x1 =
9.997188558032311e-01, x2 = 9.994372771489839e-01 第7759次迭代 f(x_7759)
=7.894142812247805e-08, x1 = 9.997195220528419e-01, x2 = 9.994374688410355e-01 第7760次
迭代 f(x_7760) =7.881513739098467e-08, x1 = 9.997193078498103e-01, x2 =
9.994381743510594e-01 第7761次迭代 f(x_7761) =7.868876568625676e-08, x1 =
9.997199674577922e-01, x2 = 9.994383685207775e-01 第7762次迭代 f(x_7762)
=7.856268093820137e-08, x1 = 9.997197591321296e-01, x2 = 9.994390701407422e-01 第7763次
迭代 f(x_7763) =7.843692880829336e-08, x1 = 9.997204121873842e-01, x2 =
9.994392667450884e-01 第7764次迭代 f(x_7764) =7.831102332652281e-08, x1 =
9.997202047949209e-01, x2 = 9.994399812536312e-01 第7765次迭代 f(x_7765)
=7.818510957026805e-08, x1 = 9.997208711418858e-01, x2 = 9.994401703781006e-01 第7766次
迭代 f(x_7766) =7.806011584628575e-08, x1 = 9.997206571583485e-01, x2 =
9.994408661109200e-01 第7767次迭代 f(x_7767) =7.793520508062415e-08, x1 =
9.997213071745548e-01, x2 = 9.994410625583806e-01 第7768次迭代 f(x_7768)
=7.781005903890742e-08, x1 = 9.997211014073514e-01, x2 = 9.994417742982535e-01 第7769次
迭代 f(x_7769) =7.768498987962468e-08, x1 = 9.997217646462423e-01, x2 =
9.994419633030065e-01 第7770次迭代 f(x_7770) =7.756079278703974e-08, x1 =
9.997215498532980e-01, x2 = 9.994426643220937e-01 第7771次迭代 f(x_7771)
=7.743634362378552e-08, x1 = 9.997222064781716e-01, x2 = 9.994428557974224e-01 第7772次
迭代 f(x_7772) =7.731234719252879e-08, x1 = 9.997219975409620e-01, x2 =
9.994435529449066e-01 第7773次迭代 f(x_7773) =7.718850994753499e-08, x1 =
9.997226476402679e-01, x2 = 9.994437468479878e-01 第7774次迭代 f(x_7774)
=7.706471894354910e-08, x1 = 9.997224444721495e-01, x2 = 9.994444401686354e-01 第7775次

迭代 $f(x_{7775}) = 7.694148573454049e-08$, $x_1 = 9.997230881330870e-01$, $x_2 = 9.994446364572676e-01$ 第7776次迭代 $f(x_{7776}) = 7.681782971426787e-08$, $x_1 = 9.997228859126968e-01$, $x_2 = 9.994453425313301e-01$ 第7777次迭代 $f(x_{7777}) = 7.669444521814597e-08$, $x_1 = 9.997235426494349e-01$, $x_2 = 9.994455314559743e-01$ 第7778次迭代 $f(x_{7778}) = 7.657175244243663e-08$, $x_1 = 9.997233314705722e-01$, $x_2 = 9.994462268730545e-01$ 第7779次迭代 $f(x_{7779}) = 7.644897736922547e-08$, $x_1 = 9.997239816718611e-01$, $x_2 = 9.994464182343680e-01$ 第7780次迭代 $f(x_{7780}) = 7.632648503931817e-08$, $x_1 = 9.997237762753327e-01$, $x_2 = 9.994471098225605e-01$ 第7781次迭代 $f(x_{7781}) = 7.620431149369861e-08$, $x_1 = 9.997244200284716e-01$, $x_2 = 9.994473035782856e-01$ 第7782次迭代 $f(x_{7782}) = 7.608199462120741e-08$, $x_1 = 9.997242155396833e-01$, $x_2 = 9.994480078762923e-01$ 第7783次迭代 $f(x_{7783}) = 7.595966348800584e-08$, $x_1 = 9.997248724074125e-01$, $x_2 = 9.994481942527036e-01$ 第7784次迭代 $f(x_{7784}) = 7.583823145922004e-08$, $x_1 = 9.997246614111029e-01$, $x_2 = 9.994488800496708e-01$ 第7785次迭代 $f(x_{7785}) = 7.571687447306344e-08$, $x_1 = 9.997253021908782e-01$, $x_2 = 9.994490736397315e-01$ 第7786次迭代 $f(x_{7786}) = 7.559529644147210e-08$, $x_1 = 9.997250992816478e-01$, $x_2 = 9.994497752199715e-01$ 第7787次迭代 $f(x_{7787}) = 7.547378496219796e-08$, $x_1 = 9.997257531085579e-01$, $x_2 = 9.994499614670647e-01$ 第7788次迭代 $f(x_{7788}) = 7.535312820391807e-08$, $x_1 = 9.997255412910646e-01$, $x_2 = 9.994506524861924e-01$ 第7789次迭代 $f(x_{7789}) = 7.523221870531230e-08$, $x_1 = 9.997261886088222e-01$, $x_2 = 9.994508411634244e-01$ 第7790次迭代 $f(x_{7790}) = 7.511175716224647e-08$, $x_1 = 9.997259825532498e-01$, $x_2 = 9.994515283714011e-01$ 第7791次迭代 $f(x_{7791}) = 7.499144181931898e-08$, $x_1 = 9.997266234487235e-01$, $x_2 = 9.994517194367187e-01$ 第7792次迭代 $f(x_{7792}) = 7.487118010295884e-08$, $x_1 = 9.997264230699799e-01$, $x_2 = 9.994524028775145e-01$ 第7793次迭代 $f(x_{7793}) = 7.475145127960484e-08$, $x_1 = 9.997270576288131e-01$, $x_2 = 9.994525962894744e-01$ 第7794次迭代 $f(x_{7794}) = 7.463132280633450e-08$, $x_1 = 9.997268581717784e-01$, $x_2 = 9.994532923070356e-01$ 第7795次迭代 $f(x_{7795}) = 7.451144630607972e-08$, $x_1 = 9.997275056340940e-01$, $x_2 = 9.994534784530567e-01$ 第7796次迭代 $f(x_{7796}) = 7.439225248970180e-08$, $x_1 = 9.997272973350108e-01$, $x_2 = 9.994541639724378e-01$ 第7797次迭代 $f(x_{7797}) = 7.427296775764314e-08$, $x_1 = 9.997279383648060e-01$, $x_2 = 9.994543525155813e-01$ 第7798次迭代 $f(x_{7798}) = 7.415396889586321e-08$, $x_1 = 9.997277357560970e-01$, $x_2 = 9.994550342655140e-01$ 第7799次迭代 $f(x_{7799}) = 7.403526828208536e-08$, $x_1 = 9.997283704391212e-01$, $x_2 = 9.994552251642773e-01$ 第7800次迭代 $f(x_{7800}) = 7.391644241929902e-08$, $x_1 = 9.997281687124000e-01$, $x_2 = 9.994559194481535e-01$ 第7801次迭代 $f(x_{7801}) = 7.379758792794529e-08$, $x_1 = 9.997288163381381e-01$, $x_2 = 9.994561030653737e-01$ 第7802次迭代 $f(x_{7802}) = 7.367961894174212e-08$, $x_1 = 9.997286081870554e-01$, $x_2 = 9.994567791185509e-01$ 第7803次迭代 $f(x_{7803}) = 7.356171086453301e-08$, $x_1 = 9.997292399603113e-01$, $x_2 = 9.994569698435697e-01$ 第7804次迭代 $f(x_{7804}) = 7.344360373801146e-08$, $x_1 = 9.997290397692642e-01$, $x_2 = 9.994576614592710e-01$ 第7805次迭代 $f(x_{7805}) = 7.332554474763639e-08$, $x_1 = 9.997296844192958e-01$, $x_2 = 9.994578449382967e-01$ 第7806次迭代 $f(x_{7806}) = 7.320833086686750e-08$, $x_1 = 9.997294754354440e-01$, $x_2 = 9.994585261504347e-01$ 第7807次迭代 $f(x_{7807}) = 7.309085647929481e-08$, $x_1 = 9.997301136779891e-01$, $x_2 = 9.994587120205883e-01$ 第7808次迭代 $f(x_{7808}) = 7.297383241483201e-08$, $x_1 = 9.997299103652686e-01$, $x_2 = 9.994593894803215e-01$ 第7809次迭代 $f(x_{7809}) = 7.285693504655826e-08$, $x_1 = 9.997305422856670e-01$, $x_2 = 9.994595777002945e-01$ 第7810次迭代 $f(x_{7810}) = 7.274010526333379e-08$, $x_1 = 9.997303445604856e-01$, $x_2 = 9.994602514508227e-01$ 第7811次迭代 $f(x_{7811}) = 7.262377751350250e-08$, $x_1 = 9.997309702428757e-01$, $x_2 = 9.994604419799042e-01$ 第7812次迭代 $f(x_{7812}) = 7.250708044905941e-08$, $x_1 =$

9.997307734131201e-01, x2 = 9.994611281334013e-01 第7813次迭代 f(x_7813)
=7.239060832892973e-08, x1 = 9.997314118317557e-01, x2 = 9.994613114918831e-01 第7814次
迭代 f(x_7814) = 7.227481705497301e-08, x1 = 9.997312062743777e-01, x2 =
9.994619873038870e-01 第7815次迭代 f(x_7815) = 7.215891967031808e-08, x1 =
9.997318383602923e-01, x2 = 9.994621730213372e-01 第7816次迭代 f(x_7816)
= 7.204331791271161e-08, x1 = 9.997316384042852e-01, x2 = 9.994628451216611e-01 第7817次
迭代 f(x_7817) = 7.192798784827610e-08, x1 = 9.997322642417292e-01, x2 =
9.994630331573068e-01 第7818次迭代 f(x_7818) = 7.181255785703720e-08, x1 =
9.997320651416933e-01, x2 = 9.994637176185430e-01 第7819次迭代 f(x_7819)
= 7.169707732047113e-08, x1 = 9.997327037550330e-01, x2 = 9.994638984677187e-01 第7820次
迭代 f(x_7820) = 7.158247534211887e-08, x1 = 9.997324983133705e-01, x2 =
9.994645649643339e-01 第7821次迭代 f(x_7821) = 7.146791454567220e-08, x1 =
9.997331213026358e-01, x2 = 9.994647528188161e-01 第7822次迭代 f(x_7822)
= 7.135318367299771e-08, x1 = 9.997329236961280e-01, x2 = 9.994654346602035e-01 第7823次
迭代 f(x_7823) = 7.123847524639332e-08, x1 = 9.997335593968167e-01, x2 =
9.994656153629961e-01 第7824次迭代 f(x_7824) = 7.112458249480501e-08, x1 =
9.997333554625042e-01, x2 = 9.994662793005521e-01 第7825次迭代 f(x_7825)
= 7.101078554488690e-08, x1 = 9.997339756217312e-01, x2 = 9.994664669699518e-01 第7826次
迭代 f(x_7826) = 7.089674993689538e-08, x1 = 9.997337794948201e-01, x2 =
9.994671462044542e-01 第7827次迭代 f(x_7827) = 7.078280815100735e-08, x1 =
9.997344123014572e-01, x2 = 9.994673267567072e-01 第7828次迭代 f(x_7828)
= 7.066964162712017e-08, x1 = 9.997342075262865e-01, x2 = 9.994679957742958e-01 第7829次
迭代 f(x_7829) = 7.055626305750613e-08, x1 = 9.997348340583562e-01, x2 =
9.994681786654451e-01 第7830次迭代 f(x_7830) = 7.044328068993234e-08, x1 =
9.997346348345539e-01, x2 = 9.994688440065586e-01 第7831次迭代 f(x_7831)
= 7.033045806057889e-08, x1 = 9.997352551754157e-01, x2 = 9.994690291962615e-01 第7832次
迭代 f(x_7832) = 7.021766286663377e-08, x1 = 9.997350567748343e-01, x2 =
9.994697067717786e-01 第7833次迭代 f(x_7833) = 7.010468935949428e-08, x1 =
9.997356898031786e-01, x2 = 9.994698848282098e-01 第7834次迭代 f(x_7834)
= 6.999267683474468e-08, x1 = 9.997354851310831e-01, x2 = 9.994705446401628e-01 第7835次
迭代 f(x_7835) = 6.988060634775263e-08, x1 = 9.997361026639930e-01, x2 =
9.994707296465353e-01 第7836次迭代 f(x_7836) = 6.976849475548138e-08, x1 =
9.997359057317562e-01, x2 = 9.994714046357303e-01 第7837次迭代 f(x_7837)
= 6.965627617143405e-08, x1 = 9.997365358885943e-01, x2 = 9.994715825431237e-01 第7838次
迭代 f(x_7838) = 6.954495711899640e-08, x1 = 9.997363326986111e-01, x2 =
9.994722398288146e-01 第7839次迭代 f(x_7839) = 6.943363348056548e-08, x1 =
9.997369474413453e-01, x2 = 9.994724246480619e-01 第7840次迭代 f(x_7840)
= 6.932220171324099e-08, x1 = 9.997367519638407e-01, x2 = 9.994730970636717e-01 第7841次
迭代 f(x_7841) = 6.921073271209945e-08, x1 = 9.997373792673987e-01, x2 =
9.994732748180003e-01 第7842次迭代 f(x_7842) = 6.910010305719802e-08, x1 =
9.997371775459382e-01, x2 = 9.994739295899402e-01 第7843次迭代 f(x_7843)
= 6.898952101527839e-08, x1 = 9.997377895161238e-01, x2 = 9.994741142183259e-01 第7844次
迭代 f(x_7844) = 6.887876531060746e-08, x1 = 9.997375954798763e-01, x2 =
9.994747840729998e-01 第7845次迭代 f(x_7845) = 6.876804059480837e-08, x1 =
9.997382199482269e-01, x2 = 9.994749616702963e-01 第7846次迭代 f(x_7846)
= 6.865809628307647e-08, x1 = 9.997380196818352e-01, x2 = 9.994756139409099e-01 第7847次
迭代 f(x_7847) = 6.854825062693959e-08, x1 = 9.997386288969525e-01, x2 =
9.994757983747546e-01 第7848次迭代 f(x_7848) = 6.843816723715327e-08, x1 =
9.997384362886217e-01, x2 = 9.994764656810560e-01 第7849次迭代 f(x_7849)
= 6.832818155108339e-08, x1 = 9.997390579396871e-01, x2 = 9.994766431174121e-01 第7850次

迭代 $f(x_{7850}) = 6.821893851029026e-08$, $x_1 = 9.997388568224415e-01$, $x_2 = 9.994773003915283e-01$ 第7851次迭代 $f(x_{7851}) = 6.810949592546968e-08$, $x_1 = 9.997394723224692e-01$, $x_2 = 9.994774801189896e-01$ 第7852次迭代 $f(x_{7852}) = 6.800043110932735e-08$, $x_1 = 9.997392766459319e-01$, $x_2 = 9.994781337877336e-01$ 第7853次迭代 $f(x_{7853}) = 6.789152463127275e-08$, $x_1 = 9.997398860764420e-01$, $x_2 = 9.994783157668540e-01$ 第7854次迭代 $f(x_{7854}) = 6.778264029748980e-08$, $x_1 = 9.997396911967283e-01$, $x_2 = 9.994789814619411e-01$ 第7855次迭代 $f(x_{7855}) = 6.767358787356633e-08$, $x_1 = 9.997403131036674e-01$, $x_2 = 9.994791564271759e-01$ 第7856次迭代 $f(x_{7856}) = 6.756546028488164e-08$, $x_1 = 9.997401120495507e-01$, $x_2 = 9.994798046757966e-01$ 第7857次迭代 $f(x_{7857}) = 6.745727893007395e-08$, $x_1 = 9.997407187461127e-01$, $x_2 = 9.994799864623862e-01$ 第7858次迭代 $f(x_{7858}) = 6.734905560936178e-08$, $x_1 = 9.997405252838483e-01$, $x_2 = 9.994806496290100e-01$ 第7859次迭代 $f(x_{7859}) = 6.724073094159608e-08$, $x_1 = 9.997411443950572e-01$, $x_2 = 9.994808244350772e-01$ 第7860次迭代 $f(x_{7860}) = 6.713327344529912e-08$, $x_1 = 9.997409447721410e-01$, $x_2 = 9.994814702141308e-01$ 第7861次迭代 $f(x_{7861}) = 6.702581212506578e-08$, $x_1 = 9.997415487518883e-01$, $x_2 = 9.994816518046273e-01$ 第7862次迭代 $f(x_{7862}) = 6.691824614537637e-08$, $x_1 = 9.997413566940355e-01$, $x_2 = 9.994823124551334e-01$ 第7863次迭代 $f(x_{7863}) = 6.681064410167543e-08$, $x_1 = 9.997419730270806e-01$, $x_2 = 9.994824870982464e-01$ 第7864次迭代 $f(x_{7864}) = 6.670385274867169e-08$, $x_1 = 9.997417748223462e-01$, $x_2 = 9.994831304198584e-01$ 第7865次迭代 $f(x_{7865}) = 6.659710641426969e-08$, $x_1 = 9.997423761022703e-01$, $x_2 = 9.994833118107538e-01$ 第7866次迭代 $f(x_{7866}) = 6.649019411812683e-08$, $x_1 = 9.997421854359212e-01$, $x_2 = 9.994839699574046e-01$ 第7867次迭代 $f(x_{7867}) = 6.638330960690746e-08$, $x_1 = 9.997427990082233e-01$, $x_2 = 9.994841444338330e-01$ 第7868次迭代 $f(x_{7868}) = 6.627718046782883e-08$, $x_1 = 9.997426022087812e-01$, $x_2 = 9.994847853100465e-01$ 第7869次迭代 $f(x_{7869}) = 6.617114410993876e-08$, $x_1 = 9.997432008057335e-01$, $x_2 = 9.994849664978872e-01$ 第7870次迭代 $f(x_{7870}) = 6.606488185442541e-08$, $x_1 = 9.997430115181085e-01$, $x_2 = 9.994856221528622e-01$ 第7871次迭代 $f(x_{7871}) = 6.595870982428657e-08$, $x_1 = 9.997436223469446e-01$, $x_2 = 9.994857964589319e-01$ 第7872次迭代 $f(x_{7872}) = 6.585325865380087e-08$, $x_1 = 9.997434246868389e-01$, $x_2 = 9.994864422634515e-01$ 第7873次迭代 $f(x_{7873}) = 6.574761047321345e-08$, $x_1 = 9.997440294836778e-01$, $x_2 = 9.994866188148336e-01$ 第7874次迭代 $f(x_{7874}) = 6.564233165781458e-08$, $x_1 = 9.997438371578623e-01$, $x_2 = 9.994872610826881e-01$ 第7875次迭代 $f(x_{7875}) = 6.553720059878432e-08$, $x_1 = 9.997444360024567e-01$, $x_2 = 9.994874398407970e-01$ 第7876次迭代 $f(x_{7876}) = 6.543209742338375e-08$, $x_1 = 9.997442444466257e-01$, $x_2 = 9.994880939310277e-01$ 第7877次迭代 $f(x_{7877}) = 6.532682490011110e-08$, $x_1 = 9.997448555639622e-01$, $x_2 = 9.994882657907134e-01$ 第7878次迭代 $f(x_{7878}) = 6.522245107904711e-08$, $x_1 = 9.997446579302176e-01$, $x_2 = 9.994889027454849e-01$ 第7879次迭代 $f(x_{7879}) = 6.511801915744170e-08$, $x_1 = 9.997452541120432e-01$, $x_2 = 9.994890813027871e-01$ 第7880次迭代 $f(x_{7880}) = 6.501355507299734e-08$, $x_1 = 9.997450639252071e-01$, $x_2 = 9.994897329206253e-01$ 第7881次迭代 $f(x_{7881}) = 6.490898418292682e-08$, $x_1 = 9.997456723196929e-01$, $x_2 = 9.994899046119743e-01$ 第7882次迭代 $f(x_{7882}) = 6.480525781486054e-08$, $x_1 = 9.997454760686649e-01$, $x_2 = 9.994905391521129e-01$ 第7883次迭代 $f(x_{7883}) = 6.470152013818528e-08$, $x_1 = 9.997460696042431e-01$, $x_2 = 9.994907175052642e-01$ 第7884次迭代 $f(x_{7884}) = 6.459769157609781e-08$, $x_1 = 9.997458807739090e-01$, $x_2 = 9.994913666626812e-01$ 第7885次迭代 $f(x_{7885}) = 6.449381738587891e-08$, $x_1 = 9.997464864624825e-01$, $x_2 = 9.994915381821333e-01$ 第7886次迭代 $f(x_{7886}) = 6.439073464421387e-08$, $x_1 = 9.997462915816940e-01$, $x_2 = 9.994921703193956e-01$ 第7887次迭代 $f(x_{7887}) = 6.428768635810442e-08$, $x_1 =$

9.997468824874109e-01, x2 = 9.994923484651032e-01 第7888次迭代 f(x_7888)
=6.418448976429616e-08, x1 = 9.997466950012091e-01, x2 = 9.994929951739908e-01 第7889次
迭代 f(x_7889) =6.408130737936728e-08, x1 = 9.997472980006700e-01, x2 =
9.994931665180385e-01 第7890次迭代 f(x_7890) =6.397886445685674e-08, x1 =
9.997471044777667e-01, x2 = 9.994937962641022e-01 第7891次迭代 f(x_7891)
=6.387650074456415e-08, x1 = 9.997476927698742e-01, x2 = 9.994939741991247e-01 第7892次
迭代 f(x_7892) =6.377393257943458e-08, x1 = 9.997475066155578e-01, x2 =
9.994946184712948e-01 第7893次迭代 f(x_7893) =6.367143714355561e-08, x1 =
9.997481069425674e-01, x2 = 9.994947896364846e-01 第7894次迭代 f(x_7894)
=6.356965041795583e-08, x1 = 9.997479125493638e-01, x2 = 9.994954242369731e-01 第7895次
迭代 f(x_7895) =6.346766039915625e-08, x1 = 9.997485069591305e-01, x2 =
9.994955976035839e-01 第7896次迭代 f(x_7896) =6.336604023122051e-08, x1 =
9.997483177978442e-01, x2 = 9.994962287338214e-01 第7897次迭代 f(x_7897)
=6.326454915408115e-08, x1 = 9.997489063684214e-01, x2 = 9.994964042640945e-01 第7898次
迭代 f(x_7898) =6.316309932935858e-08, x1 = 9.997487223626103e-01, x2 =
9.994970319636104e-01 第7899次迭代 f(x_7899) =6.306210087261018e-08, x1 =
9.997493051709631e-01, x2 = 9.994972096203282e-01 第7900次迭代 f(x_7900)
=6.296076547397964e-08, x1 = 9.997491219543696e-01, x2 = 9.994978488999043e-01 第7901次
迭代 f(x_7901) =6.285964059290971e-08, x1 = 9.997497166717406e-01, x2 =
9.994980198545123e-01 第7902次迭代 f(x_7902) =6.275909537357438e-08, x1 =
9.997495252765337e-01, x2 = 9.994986495204737e-01 第7903次迭代 f(x_7903)
=6.265846758904547e-08, x1 = 9.997501141428013e-01, x2 = 9.994988226482974e-01 第7904次
迭代 f(x_7904) =6.255808845363285e-08, x1 = 9.997499279180019e-01, x2 =
9.994994488802103e-01 第7905次迭代 f(x_7905) =6.245795142809885e-08, x1 =
9.997505110102667e-01, x2 = 9.994996241439590e-01 第7906次迭代 f(x_7906)
=6.235772227440014e-08, x1 = 9.997503255366172e-01, x2 = 9.995002619173946e-01 第7907次
迭代 f(x_7907) =6.225745322281887e-08, x1 = 9.997509205790451e-01, x2 =
9.995004304621490e-01 第7908次迭代 f(x_7908) =6.215794522274516e-08, x1 =
9.997507291491944e-01, x2 = 9.995010515189868e-01 第7909次迭代 f(x_7909)
=6.205847286060733e-08, x1 = 9.997513096804397e-01, x2 = 9.995012265675323e-01 第7910次
迭代 f(x_7910) =6.195885474343774e-08, x1 = 9.997511255042701e-01, x2 =
9.995018619468482e-01 第7911次迭代 f(x_7911) =6.185925264095731e-08, x1 =
9.997517179280730e-01, x2 = 9.995020303075740e-01 第7912次迭代 f(x_7912)
=6.176036286180714e-08, x1 = 9.997515278094171e-01, x2 = 9.995026490265179e-01 第7913次
迭代 f(x_7913) =6.166155053190114e-08, x1 = 9.997521057953125e-01, x2 =
9.995028238568242e-01 第7914次迭代 f(x_7914) =6.156254001188578e-08, x1 =
9.997519229048922e-01, x2 = 9.995034568534749e-01 第7915次迭代 f(x_7915)
=6.146360019023850e-08, x1 = 9.997525127261343e-01, x2 = 9.995036250269314e-01 第7916次
迭代 f(x_7916) =6.136534446148699e-08, x1 = 9.997523217297221e-01, x2 =
9.995042485267117e-01 第7917次迭代 f(x_7917) =6.126689210309280e-08, x1 =
9.997529057486247e-01, x2 = 9.995044188573883e-01 第7918次迭代 f(x_7918)
=6.116879748291504e-08, x1 = 9.997527198814018e-01, x2 = 9.995050389532392e-01 第7919次
迭代 f(x_7919) =6.107082635975494e-08, x1 = 9.997532981743258e-01, x2 =
9.995052114042010e-01 第7920次迭代 f(x_7920) =6.097289648328078e-08, x1 =
9.997531173615111e-01, x2 = 9.995058281347987e-01 第7921次迭代 f(x_7921)
=6.087540051523522e-08, x1 = 9.997536900037551e-01, x2 = 9.995060026696395e-01 第7922次
迭代 f(x_7922) =6.077758186520782e-08, x1 = 9.997535099549131e-01, x2 =
9.995066307834252e-01 第7923次迭代 f(x_7923) =6.067996343612498e-08, x1 =
9.997540943099924e-01, x2 = 9.995067987273695e-01 第7924次迭代 f(x_7924)
=6.058290753696557e-08, x1 = 9.997539062142670e-01, x2 = 9.995074174013906e-01 第7925次

迭代 $f(x_{7925}) = 6.048576859393746e-08$, $x_1 = 9.997544848311807e-01$, $x_2 = 9.995075874752469e-01$ 第7926次迭代 $f(x_{7926}) = 6.038887329870201e-08$, $x_1 = 9.997543018050119e-01$, $x_2 = 9.995082027805074e-01$ 第7927次迭代 $f(x_{7927}) = 6.029220774496666e-08$, $x_1 = 9.997548747591986e-01$, $x_2 = 9.995083749477939e-01$ 第7928次迭代 $f(x_{7928}) = 6.019545838543133e-08$, $x_1 = 9.997546924592874e-01$, $x_2 = 9.995090015985362e-01$ 第7929次迭代 $f(x_{7929}) = 6.009866489184178e-08$, $x_1 = 9.997552771677330e-01$, $x_2 = 9.995091671578384e-01$ 第7930次迭代 $f(x_{7930}) = 6.000261079815061e-08$, $x_1 = 9.997550890052049e-01$, $x_2 = 9.995097773897358e-01$ 第7931次迭代 $f(x_{7931}) = 5.990658612145013e-08$, $x_1 = 9.997556594646229e-01$, $x_2 = 9.995099493348870e-01$ 第7932次迭代 $f(x_{7932}) = 5.981042749136125e-08$, $x_1 = 9.997554784177610e-01$, $x_2 = 9.995105736442644e-01$ 第7933次迭代 $f(x_{7933}) = 5.971427704075928e-08$, $x_1 = 9.997560605754121e-01$, $x_2 = 9.995107390117750e-01$ 第7934次迭代 $f(x_{7934}) = 5.961882025773245e-08$, $x_1 = 9.997558736795991e-01$, $x_2 = 9.995113469574538e-01$ 第7935次迭代 $f(x_{7935}) = 5.952343200440537e-08$, $x_1 = 9.997564416593627e-01$, $x_2 = 9.995115186776271e-01$ 第7936次迭代 $f(x_{7936}) = 5.942786076311965e-08$, $x_1 = 9.997562618543098e-01$, $x_2 = 9.995121406567512e-01$ 第7937次迭代 $f(x_{7937}) = 5.933234886696565e-08$, $x_1 = 9.997568414766607e-01$, $x_2 = 9.995123058294301e-01$ 第7938次迭代 $f(x_{7938}) = 5.923750541695364e-08$, $x_1 = 9.997566536957541e-01$, $x_2 = 9.995129184836503e-01$ 第7939次迭代 $f(x_{7939}) = 5.914246379083179e-08$, $x_1 = 9.997572276265955e-01$, $x_2 = 9.995130857711516e-01$ 第7940次迭代 $f(x_{7940}) = 5.904777606951678e-08$, $x_1 = 9.997570448759918e-01$, $x_2 = 9.995136950855823e-01$ 第7941次迭代 $f(x_{7941}) = 5.895319871989774e-08$, $x_1 = 9.997576131900565e-01$, $x_2 = 9.995138644517635e-01$ 第7942次迭代 $f(x_{7942}) = 5.885867022123335e-08$, $x_1 = 9.997574353965711e-01$, $x_2 = 9.995144704642600e-01$ 第7943次迭代 $f(x_{7943}) = 5.876455129651134e-08$, $x_1 = 9.997579981675552e-01$, $x_2 = 9.995146418734941e-01$ 第7944次迭代 $f(x_{7944}) = 5.867013224636118e-08$, $x_1 = 9.997578211124373e-01$, $x_2 = 9.995152590761531e-01$ 第7945次迭代 $f(x_{7945}) = 5.857589445969645e-08$, $x_1 = 9.997583954067346e-01$, $x_2 = 9.995154240021457e-01$ 第7946次迭代 $f(x_{7946}) = 5.848221045837307e-08$, $x_1 = 9.997582104337357e-01$, $x_2 = 9.995160319360572e-01$ 第7947次迭代 $f(x_{7947}) = 5.838843529045676e-08$, $x_1 = 9.997587790988149e-01$, $x_2 = 9.995161989504211e-01$ 第7948次迭代 $f(x_{7948}) = 5.829490648833314e-08$, $x_1 = 9.997585990982817e-01$, $x_2 = 9.995168035787207e-01$ 第7949次迭代 $f(x_{7949}) = 5.820158807069902e-08$, $x_1 = 9.997591622079832e-01$, $x_2 = 9.995169726457517e-01$ 第7950次迭代 $f(x_{7950}) = 5.810820259834890e-08$, $x_1 = 9.997589829084527e-01$, $x_2 = 9.995175884273221e-01$ 第7951次迭代 $f(x_{7951}) = 5.801475996048003e-08$, $x_1 = 9.997595575831455e-01$, $x_2 = 9.995177509938341e-01$ 第7952次迭代 $f(x_{7952}) = 5.792204286297094e-08$, $x_1 = 9.997593725138717e-01$, $x_2 = 9.995183506486373e-01$ 第7953次迭代 $f(x_{7953}) = 5.782934243720107e-08$, $x_1 = 9.997599331925867e-01$, $x_2 = 9.995185194873754e-01$ 第7954次迭代 $f(x_{7954}) = 5.773652799878732e-08$, $x_1 = 9.997597551037797e-01$, $x_2 = 9.995191329787489e-01$ 第7955次迭代 $f(x_{7955}) = 5.764370540745438e-08$, $x_1 = 9.997603272929768e-01$, $x_2 = 9.995192953465128e-01$ 第7956次迭代 $f(x_{7956}) = 5.755156537961193e-08$, $x_1 = 9.997601434480331e-01$, $x_2 = 9.995198927652102e-01$ 第7957次迭代 $f(x_{7957}) = 5.745947866196637e-08$, $x_1 = 9.997607017103465e-01$, $x_2 = 9.995200613729950e-01$ 第7958次迭代 $f(x_{7958}) = 5.736723201385933e-08$, $x_1 = 9.997605248214880e-01$, $x_2 = 9.995206725849547e-01$ 第7959次迭代 $f(x_{7959}) = 5.727502515248704e-08$, $x_1 = 9.997610945401404e-01$, $x_2 = 9.995208347511195e-01$ 第7960次迭代 $f(x_{7960}) = 5.718347906421588e-08$, $x_1 = 9.997609098028760e-01$, $x_2 = 9.995214368073370e-01$ 第7961次迭代 $f(x_{7961}) = 5.709172600227618e-08$, $x_1 = 9.997614739369567e-01$, $x_2 = 9.995216010476433e-01$ 第7962次迭代 $f(x_{7962}) = 5.700033033973605e-08$, $x_1 =$

9.997612941347741e-01, x2 = 9.995221998261223e-01 第7963次迭代 f(x_7963)
=5.690902530598122e-08, x1 = 9.997618527574487e-01, x2 = 9.995223661051897e-01 第7964次
迭代 f(x_7964) =5.681778343030841e-08, x1 = 9.997616778187001e-01, x2 =
9.995229616429950e-01 第7965次迭代 f(x_7965) =5.672692078991335e-08, x1 =
9.997622310021218e-01, x2 = 9.995231299259466e-01 第7966次迭代 f(x_7966)
=5.663578784675755e-08, x1 = 9.997620567758190e-01, x2 = 9.995237364646489e-01 第7967次
迭代 f(x_7967) =5.654480961112029e-08, x1 = 9.997626212994152e-01, x2 =
9.995238983685983e-01 第7968次迭代 f(x_7968) =5.645438385402528e-08, x1 =
9.997624392815717e-01, x2 = 9.995244958067783e-01 第7969次迭代 f(x_7969)
=5.636385207606777e-08, x1 = 9.997629982810839e-01, x2 = 9.995246597592374e-01 第7970次
迭代 f(x_7970) =5.627357619557412e-08, x1 = 9.997628211422037e-01, x2 =
9.995252539529054e-01 第7971次迭代 f(x_7971) =5.618348522333245e-08, x1 =
9.997633746899337e-01, x2 = 9.995254199189179e-01 第7972次迭代 f(x_7972)
=5.609335134729224e-08, x1 = 9.997631982264826e-01, x2 = 9.995260250773893e-01 第7973次
迭代 f(x_7973) =5.600313953963143e-08, x1 = 9.997637631562960e-01, x2 =
9.995261846469452e-01 第7974次迭代 f(x_7974) =5.591364633966805e-08, x1 =
9.997635810152263e-01, x2 = 9.995267739651763e-01 第7975次迭代 f(x_7975)
=5.582415133767227e-08, x1 = 9.997641321934008e-01, x2 = 9.995269396974624e-01 第7976次
迭代 f(x_7976) =5.573456939811531e-08, x1 = 9.997639569003404e-01, x2 =
9.995275426153837e-01 第7977次迭代 f(x_7977) =5.564495551194355e-08, x1 =
9.997645194075454e-01, x2 = 9.995277019799897e-01 第7978次迭代 f(x_7978)
=5.555601979142226e-08, x1 = 9.997643384504045e-01, x2 = 9.995282891107302e-01 第7979次
迭代 f(x_7979) =5.546711663855987e-08, x1 = 9.997648872731028e-01, x2 =
9.995284546068007e-01 第7980次迭代 f(x_7980) =5.537808348721020e-08, x1 =
9.997647131401005e-01, x2 = 9.995290552946390e-01 第7981次迭代 f(x_7981)
=5.528906337049943e-08, x1 = 9.997652732391292e-01, x2 = 9.995292144516227e-01 第7982次
迭代 f(x_7982) =5.520068179545812e-08, x1 = 9.997650934555892e-01, x2 =
9.995297994051452e-01 第7983次迭代 f(x_7983) =5.511236640176667e-08, x1 =
9.997656399367798e-01, x2 = 9.995299646625516e-01 第7984次迭代 f(x_7984)
=5.502387890467117e-08, x1 = 9.997654669536028e-01, x2 = 9.995305631307069e-01 第7985次
迭代 f(x_7985) =5.493544843720102e-08, x1 = 9.997660246587740e-01, x2 =
9.995307220774375e-01 第7986次迭代 f(x_7986) =5.484763578992082e-08, x1 =
9.997658439789756e-01, x2 = 9.995313115839328e-01 第7987次迭代 f(x_7987)
=5.475963993022131e-08, x1 = 9.997663962302844e-01, x2 = 9.995314725542809e-01 第7988次
迭代 f(x_7988) =5.467197209260538e-08, x1 = 9.997662203684857e-01, x2 =
9.995320588583119e-01 第7989次迭代 f(x_7989) =5.458440533407359e-08, x1 =
9.997667672371968e-01, x2 = 9.995322218178224e-01 第7990次迭代 f(x_7990)
=5.449688550562366e-08, x1 = 9.997665961236151e-01, x2 = 9.995328049554958e-01 第7991次
迭代 f(x_7991) =5.440974247143336e-08, x1 = 9.997671376800098e-01, x2 =
9.995329698702029e-01 第7992次迭代 f(x_7992) =5.432232524511248e-08, x1 =
9.997669672545072e-01, x2 = 9.995335637865321e-01 第7993次迭代 f(x_7993)
=5.423507140435488e-08, x1 = 9.997675199224370e-01, x2 = 9.995337224512286e-01 第7994次
迭代 f(x_7994) =5.414833485558238e-08, x1 = 9.997673418558647e-01, x2 =
9.995343074600468e-01 第7995次迭代 f(x_7995) =5.406150863992793e-08, x1 =
9.997678891282858e-01, x2 = 9.995344681236999e-01 第7996次迭代 f(x_7996)
=5.397491632300366e-08, x1 = 9.997677158256298e-01, x2 = 9.995350499621564e-01 第7997次
迭代 f(x_7997) =5.388851233831724e-08, x1 = 9.997682577729765e-01, x2 =
9.995352125907189e-01 第7998次迭代 f(x_7998) =5.380205471503019e-08, x1 =
9.997680851218183e-01, x2 = 9.995358051726474e-01 第7999次迭代 f(x_7999)
=5.371553482901529e-08, x1 = 9.997686382227821e-01, x2 = 9.995359615335868e-01 第8000次

迭代 $f(x_{8000}) = 5.362969464888976e-08$, $x_1 = 9.997684599988083e-01$, $x_2 = 9.995365386084230e-01$ 第8001次迭代 $f(x_{8001}) = 5.354386147520572e-08$, $x_1 = 9.997689996493839e-01$, $x_2 = 9.995367009961755e-01$ 第8002次迭代 $f(x_{8002}) = 5.345793422069434e-08$, $x_1 = 9.997688281202617e-01$, $x_2 = 9.995372913959036e-01$ 第8003次迭代 $f(x_{8003}) = 5.337198697177115e-08$, $x_1 = 9.997693788731408e-01$, $x_2 = 9.995374475438940e-01$ 第8004次迭代 $f(x_{8004}) = 5.328668208556214e-08$, $x_1 = 9.997692017846663e-01$, $x_2 = 9.995380224883909e-01$ 第8005次迭代 $f(x_{8005}) = 5.320141578739956e-08$, $x_1 = 9.997697391519620e-01$, $x_2 = 9.995381846330442e-01$ 第8006次迭代 $f(x_{8006}) = 5.311601586111566e-08$, $x_1 = 9.997695687350580e-01$, $x_2 = 9.995387728606718e-01$ 第8007次迭代 $f(x_{8007}) = 5.303063728511519e-08$, $x_1 = 9.997701171536815e-01$, $x_2 = 9.995389287932480e-01$ 第8008次迭代 $f(x_{8008}) = 5.294586448233552e-08$, $x_1 = 9.997699411908904e-01$, $x_2 = 9.995395016173171e-01$ 第8009次迭代 $f(x_{8009}) = 5.286116115382873e-08$, $x_1 = 9.997704762882929e-01$, $x_2 = 9.995396635166197e-01$ 第8010次迭代 $f(x_{8010}) = 5.277628552902872e-08$, $x_1 = 9.997703069738829e-01$, $x_2 = 9.995402495821838e-01$ 第8011次迭代 $f(x_{8011}) = 5.269147169189608e-08$, $x_1 = 9.997708530719718e-01$, $x_2 = 9.995404052969200e-01$ 第8012次迭代 $f(x_{8012}) = 5.260724465850110e-08$, $x_1 = 9.997706762090219e-01$, $x_2 = 9.995409825911816e-01$ 第8013次迭代 $f(x_{8013}) = 5.252284719299487e-08$, $x_1 = 9.997712169786185e-01$, $x_2 = 9.995411402813725e-01$ 第8014次迭代 $f(x_{8014}) = 5.243875943367932e-08$, $x_1 = 9.997710448216197e-01$, $x_2 = 9.995417144455829e-01$ 第8015次迭代 $f(x_{8015}) = 5.235477308167015e-08$, $x_1 = 9.997715803321713e-01$, $x_2 = 9.995418740776578e-01$ 第8016次迭代 $f(x_{8016}) = 5.227082764562479e-08$, $x_1 = 9.997714128131231e-01$, $x_2 = 9.995424451470074e-01$ 第8017次迭代 $f(x_{8017}) = 5.218724727246026e-08$, $x_1 = 9.997719431331221e-01$, $x_2 = 9.995426066878704e-01$ 第8018次迭代 $f(x_{8018}) = 5.210340001403231e-08$, $x_1 = 9.997717762772418e-01$, $x_2 = 9.995431883187477e-01$ 第8019次迭代 $f(x_{8019}) = 5.201971314120728e-08$, $x_1 = 9.997723174890281e-01$, $x_2 = 9.995433437338450e-01$ 第8020次迭代 $f(x_{8020}) = 5.193651959804896e-08$, $x_1 = 9.997721431388844e-01$, $x_2 = 9.995439166465139e-01$ 第8021次迭代 $f(x_{8021}) = 5.185324245188800e-08$, $x_1 = 9.997726790785036e-01$, $x_2 = 9.995440740133257e-01$ 第8022次迭代 $f(x_{8022}) = 5.177018758329596e-08$, $x_1 = 9.997725093821600e-01$, $x_2 = 9.995446438269755e-01$ 第8023次迭代 $f(x_{8023}) = 5.168731501184140e-08$, $x_1 = 9.997730401182605e-01$, $x_2 = 9.995448031123229e-01$ 第8024次迭代 $f(x_{8024}) = 5.160438945961359e-08$, $x_1 = 9.997728710489358e-01$, $x_2 = 9.995453834532042e-01$ 第8025次迭代 $f(x_{8025}) = 5.152140543549236e-08$, $x_1 = 9.997734127190502e-01$, $x_2 = 9.995455365950312e-01$ 第8026次迭代 $f(x_{8026}) = 5.143907265470497e-08$, $x_1 = 9.997732381807293e-01$, $x_2 = 9.995461017544979e-01$ 第8027次迭代 $f(x_{8027}) = 5.135674685585834e-08$, $x_1 = 9.997737666896824e-01$, $x_2 = 9.995462607929253e-01$ 第8028次迭代 $f(x_{8028}) = 5.127433087258613e-08$, $x_1 = 9.997735986967184e-01$, $x_2 = 9.995468390079106e-01$ 第8029次迭代 $f(x_{8029}) = 5.119189533233734e-08$, $x_1 = 9.997741380900299e-01$, $x_2 = 9.995469919298043e-01$ 第8030次迭代 $f(x_{8030}) = 5.111007649798306e-08$, $x_1 = 9.997739646414466e-01$, $x_2 = 9.995475550140693e-01$ 第8031次迭代 $f(x_{8031}) = 5.102829371253779e-08$, $x_1 = 9.997744909361863e-01$, $x_2 = 9.995477138034738e-01$ 第8032次迭代 $f(x_{8032}) = 5.094638436290638e-08$, $x_1 = 9.997743240102507e-01$, $x_2 = 9.995482899023134e-01$ 第8033次迭代 $f(x_{8033}) = 5.086449352083333e-08$, $x_1 = 9.997748611400162e-01$, $x_2 = 9.995484426020024e-01$ 第8034次迭代 $f(x_{8034}) = 5.078318554210791e-08$, $x_1 = 9.997746887718376e-01$, $x_2 = 9.995490036206325e-01$ 第8035次迭代 $f(x_{8035}) = 5.070194203905963e-08$, $x_1 = 9.997752128651992e-01$, $x_2 = 9.995491621589463e-01$ 第8036次迭代 $f(x_{8036}) = 5.062053640144993e-08$, $x_1 = 9.997750469970471e-01$, $x_2 = 9.995497361513304e-01$ 第8037次迭代 $f(x_{8037}) = 5.053918650031802e-08$, $x_1 =$

9.997755818764228e-01, x2 = 9.995498886265797e-01 第8038次迭代 f(x_8038)
=5.045840282785519e-08, x1 = 9.997754086042155e-01, x2 = 9.995504540343559e-01 第8039次
迭代 f(x_8039) =5.037745196172353e-08, x1 = 9.997759382754046e-01, x2 =
9.995506084391276e-01 第8040次迭代 f(x_8040) =5.029680211971737e-08, x1 =
9.997757696018661e-01, x2 = 9.995511707865452e-01 第8041次迭代 f(x_8041)
=5.021624526388228e-08, x1 = 9.997762941325780e-01, x2 = 9.995513270881136e-01 第8042次
迭代 f(x_8042) =5.013573216135082e-08, x1 = 9.997761299914129e-01, x2 =
9.995518864094861e-01 第8043次迭代 f(x_8043) =5.005556440876914e-08, x1 =
9.997766494484273e-01, x2 = 9.995520445755878e-01 第8044次迭代 f(x_8044)
=4.997514672448814e-08, x1 = 9.997764859450463e-01, x2 = 9.995526142463358e-01 第8045次
迭代 f(x_8045) =4.989487634563908e-08, x1 = 9.997770160825584e-01, x2 =
9.995527664063931e-01 第8046次迭代 f(x_8046) =4.981508513115564e-08, x1 =
9.997768452281610e-01, x2 = 9.995533275445895e-01 第8047次迭代 f(x_8047)
=4.973520746023366e-08, x1 = 9.997773702118831e-01, x2 = 9.995534816113014e-01 第8048次
迭代 f(x_8048) =4.965554946092462e-08, x1 = 9.997772039058392e-01, x2 =
9.995540397191515e-01 第8049次迭代 f(x_8049) =4.957605957363528e-08, x1 =
9.997777238027108e-01, x2 = 9.995541956601698e-01 第8050次迭代 f(x_8050)
=4.949652720602566e-08, x1 = 9.997775580987303e-01, x2 = 9.995547640839665e-01 第8051次
迭代 f(x_8051) =4.941692987731412e-08, x1 = 9.997780887184440e-01, x2 =
9.995549140010582e-01 第8052次迭代 f(x_8052) =4.933796446579332e-08, x1 =
9.997779176482486e-01, x2 = 9.995554675618396e-01 第8053次迭代 f(x_8053)
=4.925899837865925e-08, x1 = 9.997784353846071e-01, x2 = 9.995556232507283e-01 第8054次
迭代 f(x_8054) =4.917995552774559e-08, x1 = 9.997782707138286e-01, x2 =
9.995561896029841e-01 第8055次迭代 f(x_8055) =4.910088360522468e-08, x1 =
9.997787991249552e-01, x2 = 9.995563392940978e-01 第8056次迭代 f(x_8056)
=4.902241160306975e-08, x1 = 9.997786291012413e-01, x2 = 9.995568908328964e-01 第8057次
迭代 f(x_8057) =4.894396572451405e-08, x1 = 9.997791446894936e-01, x2 =
9.995570462677257e-01 第8058次迭代 f(x_8058) =4.886540955770304e-08, x1 =
9.997789810430413e-01, x2 = 9.995576105578577e-01 第8059次迭代 f(x_8059)
=4.878685942515944e-08, x1 = 9.997795072582965e-01, x2 = 9.995577600209025e-01 第8060次
迭代 f(x_8060) =4.870887785743361e-08, x1 = 9.997793382721860e-01, x2 =
9.995583095469568e-01 第8061次迭代 f(x_8061) =4.863094862259140e-08, x1 =
9.997798517246446e-01, x2 = 9.995584647258302e-01 第8062次迭代 f(x_8062)
=4.855287632090488e-08, x1 = 9.997796890937261e-01, x2 = 9.995590269631981e-01 第8063次
迭代 f(x_8063) =4.847484438919005e-08, x1 = 9.997802131257297e-01, x2 =
9.995591761961170e-01 第8064次迭代 f(x_8064) =4.839736721637419e-08, x1 =
9.997800432317479e-01, x2 = 9.995597300319703e-01 第8065次迭代 f(x_8065)
=4.831971783053104e-08, x1 = 9.997805621710648e-01, x2 = 9.995598811505866e-01 第8066次
迭代 f(x_8066) =4.824236914587879e-08, x1 = 9.997803967729854e-01, x2 =
9.995604319931856e-01 第8067次迭代 f(x_8067) =4.816509750074688e-08, x1 =
9.997809106856611e-01, x2 = 9.995605849655823e-01 第8068次迭代 f(x_8068)
=4.808788008281201e-08, x1 = 9.997807497188201e-01, x2 = 9.995611328484008e-01 第8069次
迭代 f(x_8069) =4.801098148547031e-08, x1 = 9.997812586699961e-01, x2 =
9.995612876431104e-01 第8070次迭代 f(x_8070) =4.793385817593122e-08, x1 =
9.997810983151485e-01, x2 = 9.995618456679981e-01 第8071次迭代 f(x_8071)
=4.785686043542059e-08, x1 = 9.997816177435819e-01, x2 = 9.995619945720714e-01 第8072次
迭代 f(x_8072) =4.778033621578921e-08, x1 = 9.997814501775086e-01, x2 =
9.995625442464784e-01 第8073次迭代 f(x_8073) =4.770371499373533e-08, x1 =
9.997819645658153e-01, x2 = 9.995626950142097e-01 第8074次迭代 f(x_8074)
=4.762731863670692e-08, x1 = 9.997818014470744e-01, x2 = 9.995632417244020e-01 第8075次

迭代 $f(x_{8075}) = 4.755106922285565e-08$, $x_1 = 9.997823108605589e-01$, $x_2 = 9.995633943242375e-01$ 第8076次迭代 $f(x_{8076}) = 4.747479629002909e-08$, $x_1 = 9.997821483185152e-01$, $x_2 = 9.995639511439167e-01$ 第8077次迭代 $f(x_{8077}) = 4.739844305184276e-08$, $x_1 = 9.997826682516950e-01$, $x_2 = 9.995640978351197e-01$ 第8078次迭代 $f(x_{8078}) = 4.732271037628141e-08$, $x_1 = 9.997825004451319e-01$, $x_2 = 9.995646401030898e-01$ 第8079次迭代 $f(x_{8079}) = 4.724696280445342e-08$, $x_1 = 9.997830077619099e-01$, $x_2 = 9.995647924464179e-01$ 第8080次迭代 $f(x_{8080}) = 4.717116006285451e-08$, $x_1 = 9.997828462122732e-01$, $x_2 = 9.995653472470530e-01$ 第8081次迭代 $f(x_{8081}) = 4.709531017620982e-08$, $x_1 = 9.997833640021813e-01$, $x_2 = 9.995654937071025e-01$ 第8082次迭代 $f(x_{8082}) = 4.702005115627287e-08$, $x_1 = 9.997831972011969e-01$, $x_2 = 9.995660340044800e-01$ 第8083次迭代 $f(x_{8083}) = 4.694480199421027e-08$, $x_1 = 9.997837024331760e-01$, $x_2 = 9.995661860895321e-01$ 第8084次迭代 $f(x_{8084}) = 4.686946671175615e-08$, $x_1 = 9.997835418674996e-01$, $x_2 = 9.995667388802227e-01$ 第8085次迭代 $f(x_{8085}) = 4.679411672148003e-08$, $x_1 = 9.997840575263405e-01$, $x_2 = 9.995668851071948e-01$ 第8086次迭代 $f(x_{8086}) = 4.671932849454140e-08$, $x_1 = 9.997838917224836e-01$, $x_2 = 9.995674234429056e-01$ 第8087次迭代 $f(x_{8087}) = 4.664457433538331e-08$, $x_1 = 9.997843948814827e-01$, $x_2 = 9.995675752679438e-01$ 第8088次迭代 $f(x_{8088}) = 4.656970379299365e-08$, $x_1 = 9.997842352913993e-01$, $x_2 = 9.995681260577348e-01$ 第8089次迭代 $f(x_{8089}) = 4.649485026959959e-08$, $x_1 = 9.997847488312847e-01$, $x_2 = 9.995682720497387e-01$ 第8090次迭代 $f(x_{8090}) = 4.642052998883968e-08$, $x_1 = 9.997845840161838e-01$, $x_2 = 9.995688084326535e-01$ 第8091次迭代 $f(x_{8091}) = 4.634626745083038e-08$, $x_1 = 9.997850851139317e-01$, $x_2 = 9.995689599959714e-01$ 第8092次迭代 $f(x_{8092}) = 4.627185894294468e-08$, $x_1 = 9.997849264911528e-01$, $x_2 = 9.995695087938520e-01$ 第8093次迭代 $f(x_{8093}) = 4.619749848249800e-08$, $x_1 = 9.997854379241036e-01$, $x_2 = 9.995696545490291e-01$ 第8094次迭代 $f(x_{8094}) = 4.612365876556922e-08$, $x_1 = 9.997852722003232e-01$, $x_2 = 9.995701951504630e-01$ 第8095次迭代 $f(x_{8095}) = 4.604966238598689e-08$, $x_1 = 9.997857786752062e-01$, $x_2 = 9.995703427397422e-01$ 第8096次迭代 $f(x_{8096}) = 4.597594551198089e-08$, $x_1 = 9.997856173271015e-01$, $x_2 = 9.995708804257669e-01$ 第8097次迭代 $f(x_{8097}) = 4.590230865700193e-08$, $x_1 = 9.997861189080355e-01$, $x_2 = 9.995710298181683e-01$ 第8098次迭代 $f(x_{8098}) = 4.582871725456670e-08$, $x_1 = 9.997859618728320e-01$, $x_2 = 9.995715646212854e-01$ 第8099次迭代 $f(x_{8099}) = 4.575543547394678e-08$, $x_1 = 9.997864586230606e-01$, $x_2 = 9.995717157862637e-01$ 第8100次迭代 $f(x_{8100}) = 4.568193312580667e-08$, $x_1 = 9.997863021748671e-01$, $x_2 = 9.995722604955162e-01$ 第8101次迭代 $f(x_{8101}) = 4.560855672789645e-08$, $x_1 = 9.997868091617051e-01$, $x_2 = 9.995724059057259e-01$ 第8102次迭代 $f(x_{8102}) = 4.553562649679413e-08$, $x_1 = 9.997866456629744e-01$, $x_2 = 9.995729424684218e-01$ 第8103次迭代 $f(x_{8103}) = 4.546260848550033e-08$, $x_1 = 9.997871477422229e-01$, $x_2 = 9.995730896916337e-01$ 第8104次迭代 $f(x_{8104}) = 4.538980045792111e-08$, $x_1 = 9.997869885725766e-01$, $x_2 = 9.995736233668577e-01$ 第8105次迭代 $f(x_{8105}) = 4.531713636575477e-08$, $x_1 = 9.997874858076452e-01$, $x_2 = 9.995737723724392e-01$ 第8106次迭代 $f(x_{8106}) = 4.524444566829941e-08$, $x_1 = 9.997873271902203e-01$, $x_2 = 9.995743159221570e-01$ 第8107次迭代 $f(x_{8107}) = 4.517168243482009e-08$, $x_1 = 9.997878347043552e-01$, $x_2 = 9.995744591548884e-01$ 第8108次迭代 $f(x_{8108}) = 4.509950772805791e-08$, $x_1 = 9.997876709360319e-01$, $x_2 = 9.995749885046631e-01$ 第8109次迭代 $f(x_{8109}) = 4.502732120464738e-08$, $x_1 = 9.997881661469599e-01$, $x_2 = 9.995751372485084e-01$ 第8110次迭代 $f(x_{8110}) = 4.495507944474378e-08$, $x_1 = 9.997880084753243e-01$, $x_2 = 9.995756788387032e-01$ 第8111次迭代 $f(x_{8111}) = 4.488279517953038e-08$, $x_1 = 9.997885139204780e-01$, $x_2 = 9.995758218341411e-01$ 第8112次迭代 $f(x_{8112}) = 4.481107237739301e-08$, $x_1 =$

9.997883511109932e-01, x2 = 9.995763492715966e-01 第8113次迭代 f(x_8113)
=4.473936016614918e-08, x1 = 9.997888443091303e-01, x2 = 9.995764977521160e-01 第8114次
迭代 f(x_8114) =4.466756472240348e-08, x1 = 9.997886875753172e-01, x2 =
9.995770373915318e-01 第8115次迭代 f(x_8115) =4.459575614782324e-08, x1 =
9.997891909631208e-01, x2 = 9.995771801479392e-01 第8116次迭代 f(x_8116)
=4.452448251162578e-08, x1 = 9.997890291045016e-01, x2 = 9.995777056816501e-01 第8117次
迭代 f(x_8117) =4.445324137989696e-08, x1 = 9.997895203011129e-01, x2 =
9.995778538972833e-01 第8118次迭代 f(x_8118) =4.438188964387711e-08, x1 =
9.997893644972301e-01, x2 = 9.995783915946113e-01 第8119次迭代 f(x_8119)
=4.431055350663273e-08, x1 = 9.997898658392280e-01, x2 = 9.995785341102817e-01 第8120次
迭代 f(x_8120) =4.423972631279248e-08, x1 = 9.997897049235753e-01, x2 =
9.995790577487715e-01 第8121次迭代 f(x_8121) =4.416895305161383e-08, x1 =
9.997901941298427e-01, x2 = 9.995792056979868e-01 第8122次迭代 f(x_8122)
=4.409804242777401e-08, x1 = 9.997900392480710e-01, x2 = 9.995797414618669e-01 第8123次
迭代 f(x_8123) =4.402717549852759e-08, x1 = 9.997905385557223e-01, x2 =
9.995798837351235e-01 第8124次迭代 f(x_8124) =4.395680698250094e-08, x1 =
9.997903767305094e-01, x2 = 9.995804115030690e-01 第8125次迭代 f(x_8125)
=4.388628670547305e-08, x1 = 9.997908712086284e-01, x2 = 9.995805555614983e-01 第8126次
迭代 f(x_8126) =4.381603550566831e-08, x1 = 9.997907136445791e-01, x2 =
9.995810804886017e-01 第8127次迭代 f(x_8127) =4.374585755650077e-08, x1 =
9.997912033554515e-01, x2 = 9.995812263021142e-01 第8128次迭代 f(x_8128)
=4.367572616331014e-08, x1 = 9.997910499915884e-01, x2 = 9.995817484199522e-01 第8129次
迭代 f(x_8129) =4.360588631787958e-08, x1 = 9.997915349966527e-01, x2 =
9.995818959588797e-01 第8130次迭代 f(x_8130) =4.353584079611527e-08, x1 =
9.997913821942386e-01, x2 = 9.995824277531167e-01 第8131次迭代 f(x_8131)
=4.346591036226813e-08, x1 = 9.997918772055948e-01, x2 = 9.995825696676108e-01 第8132次
迭代 f(x_8132) =4.339640972957744e-08, x1 = 9.997917175088762e-01, x2 =
9.995830935146796e-01 第8133次迭代 f(x_8133) =4.332682056480088e-08, x1 =
9.997922077392115e-01, x2 = 9.995832371941308e-01 第8134次迭代 f(x_8134)
=4.325743660124939e-08, x1 = 9.997920522589326e-01, x2 = 9.995837582272512e-01 第8135次
迭代 f(x_8135) =4.318818446437664e-08, x1 = 9.997925377698534e-01, x2 =
9.995839036419027e-01 第8136次迭代 f(x_8136) =4.311891364561820e-08, x1 =
9.997923828167363e-01, x2 = 9.995844343206959e-01 第8137次迭代 f(x_8137)
=4.304956654794283e-08, x1 = 9.997928783763984e-01, x2 = 9.995845740927626e-01 第8138次
迭代 f(x_8138) =4.298078622558350e-08, x1 = 9.997927183845813e-01, x2 =
9.995850909143710e-01 第8139次迭代 f(x_8139) =4.291198861503270e-08, x1 =
9.997932019404145e-01, x2 = 9.995852360630735e-01 第8140次迭代 f(x_8140)
=4.284314636852559e-08, x1 = 9.997930478893903e-01, x2 = 9.995857648395430e-01 第8141次
迭代 f(x_8141) =4.277425509718322e-08, x1 = 9.997935414507579e-01, x2 =
9.995859043692382e-01 第8142次迭代 f(x_8142) =4.270590588391953e-08, x1 =
9.997933823739492e-01, x2 = 9.995864193345154e-01 第8143次迭代 f(x_8143)
=4.263755970901260e-08, x1 = 9.997938639855196e-01, x2 = 9.995865642158442e-01 第8144次
迭代 f(x_8144) =4.256914352088315e-08, x1 = 9.997937108290693e-01, x2 =
9.995870910983969e-01 第8145次迭代 f(x_8145) =4.250070496580211e-08, x1 =
9.997942024032356e-01, x2 = 9.995872303841560e-01 第8146次迭代 f(x_8146)
=4.243278424213347e-08, x1 = 9.997940442339081e-01, x2 = 9.995877435013450e-01 第8147次
迭代 f(x_8147) =4.236488643464441e-08, x1 = 9.997945239119613e-01, x2 =
9.995878881139024e-01 第8148次迭代 f(x_8148) =4.229689380366028e-08, x1 =
9.997943716426355e-01, x2 = 9.995884131108955e-01 第8149次迭代 f(x_8149)
=4.222890487765572e-08, x1 = 9.997948612406116e-01, x2 = 9.995885521511814e-01 第8150次

迭代 $f(x_{8150}) = 4.216141003886603e-08$, $x_1 = 9.997947039713070e-01$, $x_2 = 9.995890634284762e-01$ 第8151次迭代 $f(x_{8151}) = 4.209395755294062e-08$, $x_1 = 9.997951817265101e-01$, $x_2 = 9.995892077708907e-01$ 第8152次迭代 $f(x_{8152}) = 4.202638599053053e-08$, $x_1 = 9.997950303369281e-01$, $x_2 = 9.995897308906321e-01$ 第8153次迭代 $f(x_{8153}) = 4.195884362899142e-08$, $x_1 = 9.997955179696445e-01$, $x_2 = 9.995898696839355e-01$ 第8154次迭代 $f(x_{8154}) = 4.189178734178698e-08$, $x_1 = 9.997953597898285e-01$, $x_2 = 9.995903850037862e-01$ 第8155次迭代 $f(x_{8155}) = 4.182457517252734e-08$, $x_1 = 9.997958427158132e-01$, $x_2 = 9.995905255358331e-01$ 第8156次迭代 $f(x_{8156}) = 4.175763080429438e-08$, $x_1 = 9.997956886880254e-01$, $x_2 = 9.995910380863100e-01$ 第8157次迭代 $f(x_{8157}) = 4.169074471918220e-08$, $x_1 = 9.997961669678193e-01$, $x_2 = 9.995911803278583e-01$ 第8158次迭代 $f(x_{8158}) = 4.162391463256375e-08$, $x_1 = 9.997960170327934e-01$, $x_2 = 9.995916901396567e-01$ 第8159次迭代 $f(x_{8159}) = 4.155735061859593e-08$, $x_1 = 9.997964907261158e-01$, $x_2 = 9.995918340618728e-01$ 第8160次迭代 $f(x_{8160}) = 4.149060481826382e-08$, $x_1 = 9.997963413264918e-01$, $x_2 = 9.995923533263447e-01$ 第8161次迭代 $f(x_{8161}) = 4.142395380343160e-08$, $x_1 = 9.997968248055572e-01$, $x_2 = 9.995924917492200e-01$ 第8162次迭代 $f(x_{8162}) = 4.135772559369656e-08$, $x_1 = 9.997966686635527e-01$, $x_2 = 9.995930032614646e-01$ 第8163次迭代 $f(x_{8163}) = 4.129139967876358e-08$, $x_1 = 9.997971474825378e-01$, $x_2 = 9.995931434037013e-01$ 第8164次迭代 $f(x_{8164}) = 4.122528273863906e-08$, $x_1 = 9.997969954496010e-01$, $x_2 = 9.995936521724765e-01$ 第8165次迭代 $f(x_{8165}) = 4.115927789363576e-08$, $x_1 = 9.997974696683957e-01$, $x_2 = 9.995937940051511e-01$ 第8166次迭代 $f(x_{8166}) = 4.109327154740384e-08$, $x_1 = 9.997973181370690e-01$, $x_2 = 9.995943121967641e-01$ 第8167次迭代 $f(x_{8167}) = 4.102717547564368e-08$, $x_1 = 9.997978021840235e-01$, $x_2 = 9.995944485118901e-01$ 第8168次迭代 $f(x_{8168}) = 4.096163323046068e-08$, $x_1 = 9.997976457247146e-01$, $x_2 = 9.995949531803295e-01$ 第8169次迭代 $f(x_{8169}) = 4.089606103269116e-08$, $x_1 = 9.997981180541758e-01$, $x_2 = 9.995950947437687e-01$ 第8170次迭代 $f(x_{8170}) = 4.083046375211103e-08$, $x_1 = 9.997979673839643e-01$, $x_2 = 9.995956110880574e-01$ 第8171次迭代 $f(x_{8171}) = 4.076480153723562e-08$, $x_1 = 9.997984494999286e-01$, $x_2 = 9.995957471567041e-01$ 第8172次迭代 $f(x_{8172}) = 4.069967052351984e-08$, $x_1 = 9.997982939145063e-01$, $x_2 = 9.995962500226361e-01$ 第8173次迭代 $f(x_{8173}) = 4.063452803875918e-08$, $x_1 = 9.997987643649656e-01$, $x_2 = 9.995963913155667e-01$ 第8174次迭代 $f(x_{8174}) = 4.056933741421437e-08$, $x_1 = 9.997986145487687e-01$, $x_2 = 9.995969058206181e-01$ 第8175次迭代 $f(x_{8175}) = 4.050410610433201e-08$, $x_1 = 9.997990947443286e-01$, $x_2 = 9.995970416413790e-01$ 第8176次迭代 $f(x_{8176}) = 4.043938381728415e-08$, $x_1 = 9.997989400256829e-01$, $x_2 = 9.995975427127315e-01$ 第8177次迭代 $f(x_{8177}) = 4.037466813263575e-08$, $x_1 = 9.997994086073965e-01$, $x_2 = 9.995976837339057e-01$ 第8178次迭代 $f(x_{8178}) = 4.030988176690127e-08$, $x_1 = 9.997992596381789e-01$, $x_2 = 9.995981964077598e-01$ 第8179次迭代 $f(x_{8179}) = 4.024507843164567e-08$, $x_1 = 9.997997379238441e-01$, $x_2 = 9.995983319792542e-01$ 第8180次迭代 $f(x_{8180}) = 4.018076238067166e-08$, $x_1 = 9.997995840649291e-01$, $x_2 = 9.995988312639089e-01$ 第8181次迭代 $f(x_{8181}) = 4.011647060432702e-08$, $x_1 = 9.998000507880794e-01$, $x_2 = 9.995989720121032e-01$ 第8182次迭代 $f(x_{8182}) = 4.005208611229619e-08$, $x_1 = 9.997999026588704e-01$, $x_2 = 9.995994828627535e-01$ 第8183次迭代 $f(x_{8183}) = 3.998770784266061e-08$, $x_1 = 9.998003790450738e-01$, $x_2 = 9.995996181836265e-01$ 第8184次迭代 $f(x_{8184}) = 3.992379555128957e-08$, $x_1 = 9.998002260389082e-01$, $x_2 = 9.996001156894188e-01$ 第8185次迭代 $f(x_{8185}) = 3.985992481241113e-08$, $x_1 = 9.998006909136038e-01$, $x_2 = 9.996002561634342e-01$ 第8186次迭代 $f(x_{8186}) = 3.979593982137662e-08$, $x_1 = 9.998005436174962e-01$, $x_2 = 9.996007651988273e-01$ 第8187次迭代 $f(x_{8187}) = 3.973198372960100e-08$, $x_1 =$

9.998010181145959e-01, x2 = 9.996009002677493e-01 第8188次迭代 f(x_8188)
=3.966848714363283e-08, x1 = 9.998008641997340e-01, x2 = 9.996014017186773e-01 第8189次
迭代 f(x_8189) =3.960484336412061e-08, x1 = 9.998013341283456e-01, x2 =
9.996015384737607e-01 第8190次迭代 f(x_8190) =3.954145303127144e-08, x1 =
9.998011842423761e-01, x2 = 9.996020372355476e-01 第8191次迭代 f(x_8191)
=3.947811769231219e-08, x1 = 9.998016496610875e-01, x2 = 9.996021756484990e-01 第8192次
迭代 f(x_8192) =3.941483583447405e-08, x1 = 9.998015037466589e-01, x2 =
9.996026717508542e-01 第8193次迭代 f(x_8193) =3.935180515355625e-08, x1 =
9.998019647132655e-01, x2 = 9.996028117937741e-01 第8194次迭代 f(x_8194)
=3.928860360884558e-08, x1 = 9.998018193084620e-01, x2 = 9.996033171001828e-01 第8195次
迭代 f(x_8195) =3.922549022674351e-08, x1 = 9.998022898093787e-01, x2 =
9.996034517858376e-01 第8196次迭代 f(x_8196) =3.916277889270168e-08, x1 =
9.998021378322474e-01, x2 = 9.996039495542310e-01 第8197次迭代 f(x_8197)
=3.909997304369022e-08, x1 = 9.998026038092848e-01, x2 = 9.996040859075797e-01 第8198次
迭代 f(x_8198) =3.903736731068159e-08, x1 = 9.998024558200211e-01, x2 =
9.996045810116500e-01 第8199次迭代 f(x_8199) =3.897486519563496e-08, x1 =
9.998029173311475e-01, x2 = 9.996047190047023e-01 第8200次迭代 f(x_8200)
=3.891236500151846e-08, x1 = 9.998027698182900e-01, x2 = 9.996052232839614e-01 第8201次
迭代 f(x_8201) =3.884977612482611e-08, x1 = 9.998032409060273e-01, x2 =
9.996053559015186e-01 第8202次迭代 f(x_8202) =3.878771486454219e-08, x1 =
9.998030885869936e-01, x2 = 9.996058470267943e-01 第8203次迭代 f(x_8203)
=3.872562183099366e-08, x1 = 9.998035482813071e-01, x2 = 9.996059847470360e-01 第8204次
迭代 f(x_8204) =3.866350971641539e-08, x1 = 9.998034015844105e-01, x2 =
9.996064872396667e-01 第8205次迭代 f(x_8205) =3.860133103273917e-08, x1 =
9.998038708153910e-01, x2 = 9.996066196062614e-01 第8206次迭代 f(x_8206)
=3.853965961298480e-08, x1 = 9.998037193249257e-01, x2 = 9.996071089884296e-01 第8207次
迭代 f(x_8207) =3.847797289480380e-08, x1 = 9.998041772122224e-01, x2 =
9.996072464347503e-01 第8208次迭代 f(x_8208) =3.841624656304805e-08, x1 =
9.998040313246381e-01, x2 = 9.996077471484917e-01 第8209次迭代 f(x_8209)
=3.835447529020767e-08, x1 = 9.998044987088986e-01, x2 = 9.996078792628869e-01 第8210次
迭代 f(x_8210) =3.829319133014653e-08, x1 = 9.998043480403416e-01, x2 =
9.996083669095327e-01 第8211次迭代 f(x_8211) =3.823190818114989e-08, x1 =
9.998048041303474e-01, x2 = 9.996085040808448e-01 第8212次迭代 f(x_8212)
=3.817056534741264e-08, x1 = 9.998046590454874e-01, x2 = 9.996090030233914e-01 第8213次
迭代 f(x_8213) =3.810919872339825e-08, x1 = 9.998051245929933e-01, x2 =
9.996091348843742e-01 第8214次迭代 f(x_8214) =3.804829985569075e-08, x1 =
9.998049747397442e-01, x2 = 9.996096208030394e-01 第8215次迭代 f(x_8215)
=3.798741754944540e-08, x1 = 9.998054290421163e-01, x2 = 9.996097576982778e-01 第8216次
迭代 f(x_8216) =3.792645594084839e-08, x1 = 9.998052847534519e-01, x2 =
9.996102548772805e-01 第8217次迭代 f(x_8217) =3.786549122360351e-08, x1 =
9.998057484740975e-01, x2 = 9.996103864836612e-01 第8218次迭代 f(x_8218)
=3.780497509447183e-08, x1 = 9.998055994296153e-01, x2 = 9.996108706818440e-01 第8219次
迭代 f(x_8219) =3.774449092412222e-08, x1 = 9.998060519539420e-01, x2 =
9.996110072999658e-01 第8220次迭代 f(x_8220) =3.768390827952969e-08, x1 =
9.998059084550044e-01, x2 = 9.996115027230317e-01 第8221次迭代 f(x_8221)
=3.762334274694455e-08, x1 = 9.998063703586132e-01, x2 = 9.996116340736438e-01 第8222次
迭代 f(x_8222) =3.756320701592703e-08, x1 = 9.998062221164166e-01, x2 =
9.996121165587994e-01 第8223次迭代 f(x_8223) =3.750311829416118e-08, x1 =
9.998066728722176e-01, x2 = 9.996122528987840e-01 第8224次迭代 f(x_8224)
=3.744291236438564e-08, x1 = 9.998065301565962e-01, x2 = 9.996127465734767e-01 第8225次

迭代 $f(x_{8225}) = 3.738274331386135e-08$, $x_1 = 9.998069902529216e-01$, $x_2 = 9.996128776671769e-01$ 第8226次迭代 $f(x_{8226}) = 3.732299852126790e-08$, $x_1 = 9.998068411064163e-01$, $x_2 = 9.996133639904808e-01$ 第8227次迭代 $f(x_{8227}) = 3.726312285204847e-08$, $x_1 = 9.998072967854739e-01$, $x_2 = 9.996134967126930e-01$ 第8228次迭代 $f(x_{8228}) = 3.720347840057708e-08$, $x_1 = 9.998071515330460e-01$, $x_2 = 9.996139804345273e-01$ 第8229次迭代 $f(x_{8229}) = 3.714389249128579e-08$, $x_1 = 9.998076028512999e-01$, $x_2 = 9.996141147579896e-01$ 第8230次迭代 $f(x_{8230}) = 3.708435045344244e-08$, $x_1 = 9.998074614376805e-01$, $x_2 = 9.996145959069915e-01$ 第8231次迭代 $f(x_{8231}) = 3.702505076578112e-08$, $x_1 = 9.998079084508336e-01$, $x_2 = 9.996147318048205e-01$ 第8232次迭代 $f(x_{8232}) = 3.696558358540992e-08$, $x_1 = 9.998077675209606e-01$, $x_2 = 9.996152218868672e-01$ 第8233次迭代 $f(x_{8233}) = 3.690620598761991e-08$, $x_1 = 9.998082237905014e-01$, $x_2 = 9.996153525841487e-01$ 第8234次迭代 $f(x_{8234}) = 3.684720122750451e-08$, $x_1 = 9.998080764746186e-01$, $x_2 = 9.996158353599404e-01$ 第8235次迭代 $f(x_{8235}) = 3.678811256001767e-08$, $x_1 = 9.998085283693174e-01$, $x_2 = 9.996159676682415e-01$ 第8236次迭代 $f(x_{8236}) = 3.672920748804903e-08$, $x_1 = 9.998083849085547e-01$, $x_2 = 9.996164478662188e-01$ 第8237次迭代 $f(x_{8237}) = 3.667040419626734e-08$, $x_1 = 9.998088324842889e-01$, $x_2 = 9.996165817585650e-01$ 第8238次迭代 $f(x_{8238}) = 3.661159802749171e-08$, $x_1 = 9.998086894747008e-01$, $x_2 = 9.996170708617641e-01$ 第8239次迭代 $f(x_{8239}) = 3.655271294680584e-08$, $x_1 = 9.998091463489188e-01$, $x_2 = 9.996171995353486e-01$ 第8240次迭代 $f(x_{8240}) = 3.649432096542342e-08$, $x_1 = 9.998089986654874e-01$, $x_2 = 9.996176758853993e-01$ 第8241次迭代 $f(x_{8241}) = 3.643590191986373e-08$, $x_1 = 9.998094445023678e-01$, $x_2 = 9.996178095014443e-01$ 第8242次迭代 $f(x_{8242}) = 3.637746166297819e-08$, $x_1 = 9.998093022605046e-01$, $x_2 = 9.996182968835220e-01$ 第8243次迭代 $f(x_{8243}) = 3.631896183763625e-08$, $x_1 = 9.998097573577664e-01$, $x_2 = 9.996184253016763e-01$ 第8244次迭代 $f(x_{8244}) = 3.626093711403568e-08$, $x_1 = 9.998096104544796e-01$, $x_2 = 9.996188999727241e-01$ 第8245次迭代 $f(x_{8245}) = 3.620289972486864e-08$, $x_1 = 9.998100545617367e-01$, $x_2 = 9.996190333115260e-01$ 第8246次迭代 $f(x_{8246}) = 3.614482320342197e-08$, $x_1 = 9.998099130814246e-01$, $x_2 = 9.996195189798515e-01$ 第8247次迭代 $f(x_{8247}) = 3.608670602924395e-08$, $x_1 = 9.998103664111874e-01$, $x_2 = 9.996196471415150e-01$ 第8248次迭代 $f(x_{8248}) = 3.602904631394219e-08$, $x_1 = 9.998102202818575e-01$, $x_2 = 9.996201201407812e-01$ 第8249次迭代 $f(x_{8249}) = 3.597138800981414e-08$, $x_1 = 9.998106626686575e-01$, $x_2 = 9.996202532014189e-01$ 第8250次迭代 $f(x_{8250}) = 3.591367305890655e-08$, $x_1 = 9.998105219437780e-01$, $x_2 = 9.996207371633199e-01$ 第8251次迭代 $f(x_{8251}) = 3.585593595035055e-08$, $x_1 = 9.998109735154324e-01$, $x_2 = 9.996208650674534e-01$ 第8252次迭代 $f(x_{8252}) = 3.579863900682117e-08$, $x_1 = 9.998108281539272e-01$, $x_2 = 9.996213364021181e-01$ 第8253次迭代 $f(x_{8253}) = 3.574135723481720e-08$, $x_1 = 9.998112688293717e-01$, $x_2 = 9.996214691836909e-01$ 第8254次迭代 $f(x_{8254}) = 3.568400170097883e-08$, $x_1 = 9.998111288538613e-01$, $x_2 = 9.996219514464538e-01$ 第8255次迭代 $f(x_{8255}) = 3.562664209120084e-08$, $x_1 = 9.998115786767316e-01$, $x_2 = 9.996220790920394e-01$ 第8256次迭代 $f(x_{8256}) = 3.556970569577695e-08$, $x_1 = 9.998114340769737e-01$, $x_2 = 9.996225487692424e-01$ 第8257次迭代 $f(x_{8257}) = 3.551279792120226e-08$, $x_1 = 9.998118730501009e-01$, $x_2 = 9.996226812708694e-01$ 第8258次迭代 $f(x_{8258}) = 3.545579966230248e-08$, $x_1 = 9.998117338179506e-01$, $x_2 = 9.996231618417402e-01$ 第8259次迭代 $f(x_{8259}) = 3.539881500281332e-08$, $x_1 = 9.998121819012963e-01$, $x_2 = 9.996232892277808e-01$ 第8260次迭代 $f(x_{8260}) = 3.534223694458540e-08$, $x_1 = 9.998120380572626e-01$, $x_2 = 9.996237572546215e-01$ 第8261次迭代 $f(x_{8261}) = 3.528570065084668e-08$, $x_1 = 9.998124753370472e-01$, $x_2 = 9.996238894754420e-01$ 第8262次迭代 $f(x_{8262}) = 3.522905753619767e-08$, $x_1 =$

9.998123368423022e-01, x2 = 9.996243683616257e-01 第8263次迭代 f(x_8263)
=3.517244529687278e-08, x1 = 9.998127831953175e-01, x2 = 9.996244954871452e-01 第8264次
迭代 f(x_8264) =3.511623583290380e-08, x1 = 9.998126384510497e-01, x2 =
9.996249672484494e-01 第8265次迭代 f(x_8265) =3.505989935700781e-08, x1 =
9.998130805297825e-01, x2 = 9.996250959484062e-01 第8266次迭代 f(x_8266)
=3.500378450320819e-08, x1 = 9.998129395524862e-01, x2 = 9.996255651914511e-01 第8267次
迭代 f(x_8267) =3.494772039888078e-08, x1 = 9.998133774114011e-01, x2 =
9.996256954395539e-01 第8268次迭代 f(x_8268) =3.489170209237753e-08, x1 =
9.998132401477675e-01, x2 = 9.996261621919665e-01 第8269次迭代 f(x_8269)
=3.483590704531463e-08, x1 = 9.998136738405975e-01, x2 = 9.996262939622881e-01 第8270次
迭代 f(x_8270) =3.477996035856112e-08, x1 = 9.998135370340628e-01, x2 =
9.996267693856468e-01 第8271次迭代 f(x_8271) =3.472409157796508e-08, x1 =
9.998139797196919e-01, x2 = 9.996268961044418e-01 第8272次迭代 f(x_8272)
=3.466857940102378e-08, x1 = 9.998138367070218e-01, x2 = 9.996273644467686e-01 第8273次
迭代 f(x_8273) =3.461298223455422e-08, x1 = 9.998142751587579e-01, x2 =
9.996274927234148e-01 第8274次迭代 f(x_8274) =3.455756401999123e-08, x1 =
9.998141358760273e-01, x2 = 9.996279585700498e-01 第8275次迭代 f(x_8275)
=3.450223513743786e-08, x1 = 9.998145701477784e-01, x2 = 9.996280883785280e-01 第8276次
迭代 f(x_8276) =3.444691146618717e-08, x1 = 9.998144312902111e-01, x2 =
9.996285628692924e-01 第8277次迭代 f(x_8277) =3.439150514441121e-08, x1 =
9.998148745966260e-01, x2 = 9.996286876080612e-01 第8278次迭代 f(x_8278)
=3.433656963174685e-08, x1 = 9.998147311952016e-01, x2 = 9.996291497336611e-01 第8279次
迭代 f(x_8279) =3.428160173062811e-08, x1 = 9.998151638014622e-01, x2 =
9.996292792635769e-01 第8280次迭代 f(x_8280) =3.422662299020557e-08, x1 =
9.998150256671187e-01, x2 = 9.996297520956168e-01 第8281次迭代 f(x_8281)
=3.417157856857704e-08, x1 = 9.998154672716651e-01, x2 = 9.996298765757780e-01 第8282次
迭代 f(x_8282) =3.411698899118851e-08, x1 = 9.998153246056842e-01, x2 =
9.996303370834206e-01 第8283次迭代 f(x_8283) =3.406237964573640e-08, x1 =
9.998157555551614e-01, x2 = 9.996304663339836e-01 第8284次迭代 f(x_8284)
=3.400774377496508e-08, x1 = 9.998156181383034e-01, x2 = 9.996309375143219e-01 第8285次
迭代 f(x_8285) =3.395305881484870e-08, x1 = 9.998160580499009e-01, x2 =
9.996310617349731e-01 第8286次迭代 f(x_8286) =3.389881304824704e-08, x1 =
9.998159161136101e-01, x2 = 9.996315206315387e-01 第8287次迭代 f(x_8287)
=3.384455984996274e-08, x1 = 9.998163454149506e-01, x2 = 9.996316496019770e-01 第8288次
迭代 f(x_8288) =3.379026479878808e-08, x1 = 9.998162087098910e-01, x2 =
9.996321191375975e-01 第8289次迭代 f(x_8289) =3.373593687901725e-08, x1 =
9.998166469373970e-01, x2 = 9.996322430978559e-01 第8290次迭代 f(x_8290)
=3.368203281098323e-08, x1 = 9.998165057250938e-01, x2 = 9.996327003901864e-01 第8291次
迭代 f(x_8291) =3.362813336850338e-08, x1 = 9.998169333868847e-01, x2 =
9.996328290797467e-01 第8292次迭代 f(x_8292) =3.357417709777263e-08, x1 =
9.998167973879871e-01, x2 = 9.996332969775948e-01 第8293次迭代 f(x_8293)
=3.352020381447783e-08, x1 = 9.998172339401982e-01, x2 = 9.996334206765969e-01 第8294次
迭代 f(x_8294) =3.346663934500801e-08, x1 = 9.998170934462306e-01, x2 =
9.996338763714960e-01 第8295次迭代 f(x_8295) =3.341309128393968e-08, x1 =
9.998175194769998e-01, x2 = 9.996340047794432e-01 第8296次迭代 f(x_8296)
=3.335947176562598e-08, x1 = 9.998173841786774e-01, x2 = 9.996344710464262e-01 第8297次
迭代 f(x_8297) =3.330585073199785e-08, x1 = 9.998178190643296e-01, x2 =
9.996345944833271e-01 第8298次迭代 f(x_8298) =3.325262377325052e-08, x1 =
9.998176792830956e-01, x2 = 9.996350485875612e-01 第8299次迭代 f(x_8299)
=3.319942473600519e-08, x1 = 9.998181036913125e-01, x2 = 9.996351767131783e-01 第8300次

迭代 $f(x_{8300}) = 3.314613995285903e-08$, $x_1 = 9.998179690880288e-01$, $x_2 = 9.996356413561652e-01$ 第8301次迭代 $f(x_{8301}) = 3.309286879922634e-08$, $x_1 = 9.998184023157977e-01$, $x_2 = 9.996357645301392e-01$ 第8302次迭代 $f(x_{8302}) = 3.303997727550108e-08$, $x_1 = 9.998182632417445e-01$, $x_2 = 9.996362170504370e-01$ 第8303次迭代 $f(x_{8303}) = 3.298712492127874e-08$, $x_1 = 9.998186860358204e-01$, $x_2 = 9.996363448930242e-01$ 第8304次迭代 $f(x_{8304}) = 3.293417286701991e-08$, $x_1 = 9.998185521220875e-01$, $x_2 = 9.996368079188466e-01$ 第8305次迭代 $f(x_{8305}) = 3.288124924053513e-08$, $x_1 = 9.998189837005892e-01$, $x_2 = 9.996369308290862e-01$ 第8306次迭代 $f(x_{8306}) = 3.282870281940499e-08$, $x_1 = 9.998188437326716e-01$, $x_2 = 9.996373869718648e-01$ 第8307次迭代 $f(x_{8307}) = 3.277603668024044e-08$, $x_1 = 9.998192711900155e-01$, $x_2 = 9.996375113986237e-01$ 第8308次迭代 $f(x_{8308}) = 3.272357894475429e-08$, $x_1 = 9.998191348529345e-01$, $x_2 = 9.996379651122488e-01$ 第8309次迭代 $f(x_{8309}) = 3.267116713850697e-08$, $x_1 = 9.998195582414561e-01$, $x_2 = 9.996380910302686e-01$ 第8310次迭代 $f(x_{8310}) = 3.261879988585030e-08$, $x_1 = 9.998194254839902e-01$, $x_2 = 9.996385423412917e-01$ 第8311次迭代 $f(x_{8311}) = 3.256663932990418e-08$, $x_1 = 9.998198448553245e-01$, $x_2 = 9.996386697256628e-01$ 第8312次迭代 $f(x_{8312}) = 3.251433973030167e-08$, $x_1 = 9.998197125278647e-01$, $x_2 = 9.996391294263812e-01$ 第8313次迭代 $f(x_{8313}) = 3.246210990467817e-08$, $x_1 = 9.998201406070990e-01$, $x_2 = 9.996392519201094e-01$ 第8314次迭代 $f(x_{8314}) = 3.241021638473461e-08$, $x_1 = 9.998200022672521e-01$, $x_2 = 9.996397047802543e-01$ 第8315次迭代 $f(x_{8315}) = 3.235824020652722e-08$, $x_1 = 9.998204262635865e-01$, $x_2 = 9.996398287748609e-01$ 第8316次迭代 $f(x_{8316}) = 3.230643473269396e-08$, $x_1 = 9.998202915195575e-01$, $x_2 = 9.996402792272796e-01$ 第8317次迭代 $f(x_{8317}) = 3.225470910394206e-08$, $x_1 = 9.998207114848029e-01$, $x_2 = 9.996404046977631e-01$ 第8318次迭代 $f(x_{8318}) = 3.220299300957763e-08$, $x_1 = 9.998205771395481e-01$, $x_2 = 9.996408635141257e-01$ 第8319次迭代 $f(x_{8319}) = 3.215119459103798e-08$, $x_1 = 9.998210058542348e-01$, $x_2 = 9.996409840758548e-01$ 第8320次迭代 $f(x_{8320}) = 3.209984053581617e-08$, $x_1 = 9.998208671046988e-01$, $x_2 = 9.996414309421090e-01$ 第8321次迭代 $f(x_{8321}) = 3.204845181470929e-08$, $x_1 = 9.998212854817820e-01$, $x_2 = 9.996415561322064e-01$ 第8322次迭代 $f(x_{8322}) = 3.199705885230149e-08$, $x_1 = 9.998211518133308e-01$, $x_2 = 9.996420133560248e-01$ 第8323次迭代 $f(x_{8323}) = 3.194559816872839e-08$, $x_1 = 9.998215789052919e-01$, $x_2 = 9.996421336563570e-01$ 第8324次迭代 $f(x_{8324}) = 3.189456791637051e-08$, $x_1 = 9.998214408445528e-01$, $x_2 = 9.996425789693939e-01$ 第8325次迭代 $f(x_{8325}) = 3.184351384621921e-08$, $x_1 = 9.998218576416390e-01$, $x_2 = 9.996427038784675e-01$ 第8326次迭代 $f(x_{8326}) = 3.179244207557063e-08$, $x_1 = 9.998217246446996e-01$, $x_2 = 9.996431595164036e-01$ 第8327次迭代 $f(x_{8327}) = 3.174131685877863e-08$, $x_1 = 9.998221501222995e-01$, $x_2 = 9.996432795545962e-01$ 第8328次迭代 $f(x_{8328}) = 3.169060841520246e-08$, $x_1 = 9.998220127450486e-01$, $x_2 = 9.996437233209409e-01$ 第8329次迭代 $f(x_{8329}) = 3.163988675507896e-08$, $x_1 = 9.998224279702482e-01$, $x_2 = 9.996438479483690e-01$ 第8330次迭代 $f(x_{8330}) = 3.158913424653560e-08$, $x_1 = 9.998222956395758e-01$, $x_2 = 9.996443020070483e-01$ 第8331次迭代 $f(x_{8331}) = 3.153834224438856e-08$, $x_1 = 9.998227195111208e-01$, $x_2 = 9.996444217823762e-01$ 第8332次迭代 $f(x_{8332}) = 3.148795362694230e-08$, $x_1 = 9.998225828120977e-01$, $x_2 = 9.996448640085176e-01$ 第8333次迭代 $f(x_{8333}) = 3.143756215191718e-08$, $x_1 = 9.998229964734645e-01$, $x_2 = 9.996449883536961e-01$ 第8334次迭代 $f(x_{8334}) = 3.138712698628593e-08$, $x_1 = 9.998228648038614e-01$, $x_2 = 9.996454408397080e-01$ 第8335次迭代 $f(x_{8335}) = 3.133666596275906e-08$, $x_1 = 9.998232870776015e-01$, $x_2 = 9.996455603514636e-01$ 第8336次迭代 $f(x_{8336}) = 3.128659520048079e-08$, $x_1 = 9.998231510515908e-01$, $x_2 = 9.996460010438553e-01$ 第8337次迭代 $f(x_{8337}) = 3.123653170120579e-08$, $x_1 =$

9.998235631571251e-01, x2 = 9.996461251061955e-01 第8338次迭代 f(x_8338)
=3.118641196981908e-08, x1 = 9.998234321434386e-01, x2 = 9.996465760260940e-01 第8339次
迭代 f(x_8339) =3.113627970463545e-08, x1 = 9.998238528275680e-01, x2 =
9.996466952735863e-01 第8340次迭代 f(x_8340) =3.108652483808549e-08, x1 =
9.998237174694002e-01, x2 = 9.996471344386469e-01 第8341次迭代 f(x_8341)
=3.103678712081876e-08, x1 = 9.998241280270479e-01, x2 = 9.996472582175766e-01 第8342次
迭代 f(x_8342) =3.098698092542453e-08, x1 = 9.998239976641711e-01, x2 =
9.996477075778799e-01 第8343次迭代 f(x_8343) =3.093717521406583e-08, x1 =
9.998244167668285e-01, x2 = 9.996478265604350e-01 第8344次迭代 f(x_8344)
=3.088773429517133e-08, x1 = 9.998242820713795e-01, x2 = 9.996482642045483e-01 第8345次
迭代 f(x_8345) =3.083832018162428e-08, x1 = 9.998246910890330e-01, x2 =
9.996483876995110e-01 第8346次迭代 f(x_8346) =3.078882563435029e-08, x1 =
9.998245613719035e-01, x2 = 9.996488355067027e-01 第8347次迭代 f(x_8347)
=3.073934428788153e-08, x1 = 9.998249789011726e-01, x2 = 9.996489542236632e-01 第8348次
迭代 f(x_8348) =3.069021538003629e-08, x1 = 9.998248448633629e-01, x2 =
9.996493903531781e-01 第8349次迭代 f(x_8349) =3.064112270720756e-08, x1 =
9.998252523488613e-01, x2 = 9.996495135636331e-01 第8350次迭代 f(x_8350)
=3.059193793054048e-08, x1 = 9.998251232724616e-01, x2 = 9.996499598241613e-01 第8351次
迭代 f(x_8351) =3.054277877554098e-08, x1 = 9.998255392363713e-01, x2 =
9.996500782748862e-01 第8352次迭代 f(x_8352) =3.049397096364103e-08, x1 =
9.998254043131304e-01, x2 = 9.996505179076393e-01 第8353次迭代 f(x_8353)
=3.044505068137756e-08, x1 = 9.998258163168280e-01, x2 = 9.996506378141213e-01 第8354次
迭代 f(x_8354) =3.039632547852095e-08, x1 = 9.998256848814253e-01, x2 =
9.996510751114623e-01 第8355次迭代 f(x_8355) =3.034764115487764e-08, x1 =
9.998260929750221e-01, x2 = 9.996511964495227e-01 第8356次迭代 f(x_8356)
=3.029900021708240e-08, x1 = 9.998259649784164e-01, x2 = 9.996516314368789e-01 第8357次
迭代 f(x_8357) =3.025054900407391e-08, x1 = 9.998263692113555e-01, x2 =
9.996517541826708e-01 第8358次迭代 f(x_8358) =3.020197164611945e-08, x1 =
9.998262416169325e-01, x2 = 9.996521972619611e-01 第8359次迭代 f(x_8359)
=3.015345574678540e-08, x1 = 9.998266542557958e-01, x2 = 9.996523152875838e-01 第8360次
迭代 f(x_8360) =3.010525541911568e-08, x1 = 9.998265208546564e-01, x2 =
9.996527517801093e-01 第8361次迭代 f(x_8361) =3.005697486388328e-08, x1 =
9.998269295693764e-01, x2 = 9.996528712468161e-01 第8362次迭代 f(x_8362)
=3.000885651808138e-08, x1 = 9.998267996231210e-01, x2 = 9.996533054241830e-01 第8363次
迭代 f(x_8363) =2.996080844399134e-08, x1 = 9.998272044633164e-01, x2 =
9.996534263080357e-01 第8364次迭代 f(x_8364) =2.991277370267424e-08, x1 =
9.998270779233878e-01, x2 = 9.996538581954232e-01 第8365次迭代 f(x_8365)
=2.986495531166314e-08, x1 = 9.998274789380160e-01, x2 = 9.996539804728121e-01 第8366次
迭代 f(x_8366) =2.981697820079086e-08, x1 = 9.998273528024434e-01, x2 =
9.996544203980270e-01 第8367次迭代 f(x_8367) =2.976909686861245e-08, x1 =
9.998277621513585e-01, x2 = 9.996545379943618e-01 第8368次迭代 f(x_8368)
=2.972149670993192e-08, x1 = 9.998276302488746e-01, x2 = 9.996549713735915e-01 第8369次
迭代 f(x_8369) =2.967384725229736e-08, x1 = 9.998280357092673e-01, x2 =
9.996550903965398e-01 第8370次迭代 f(x_8370) =2.962632844404124e-08, x1 =
9.998279072291385e-01, x2 = 9.996555214806271e-01 第8371次迭代 f(x_8371)
=2.957890804812633e-08, x1 = 9.998283088501424e-01, x2 = 9.996556419064874e-01 第8372次
迭代 f(x_8372) =2.953146708363276e-08, x1 = 9.998281807440718e-01, x2 =
9.996560810039374e-01 第8373次迭代 f(x_8373) =2.948398046396773e-08, x1 =
9.998285907403148e-01, x2 = 9.996561967308151e-01 第8374次迭代 f(x_8374)
=2.943687805004521e-08, x1 = 9.998284584009084e-01, x2 = 9.996566243924916e-01 第8375次

迭代 $f(x_{8375}) = 2.938976585718857e-08$, $x_1 = 9.998288585298559e-01$, $x_2 = 9.996567445354887e-01$ 第8376次迭代 $f(x_{8376}) = 2.934262213271159e-08$, $x_1 = 9.998287310427055e-01$, $x_2 = 9.996571821224924e-01$ 第8377次迭代 $f(x_{8377}) = 2.929544443106521e-08$, $x_1 = 9.998291395145965e-01$, $x_2 = 9.996572975842904e-01$ 第8378次迭代 $f(x_{8378}) = 2.924863950864056e-08$, $x_1 = 9.998290078058177e-01$, $x_2 = 9.996577237730689e-01$ 第8379次迭代 $f(x_{8379}) = 2.920183346267526e-08$, $x_1 = 9.998294064502180e-01$, $x_2 = 9.996578436327467e-01$ 第8380次迭代 $f(x_{8380}) = 2.915498518252518e-08$, $x_1 = 9.998292795772356e-01$, $x_2 = 9.996582797155263e-01$ 第8381次迭代 $f(x_{8381}) = 2.910811433308457e-08$, $x_1 = 9.998296865324644e-01$, $x_2 = 9.996583949116927e-01$ 第8382次迭代 $f(x_{8382}) = 2.906160506349659e-08$, $x_1 = 9.99829554495431e-01$, $x_2 = 9.996588196336652e-01$ 第8383次迭代 $f(x_{8383}) = 2.901510312267621e-08$, $x_1 = 9.998299526168547e-01$, $x_2 = 9.996589392095819e-01$ 第8384次迭代 $f(x_{8384}) = 2.896854850121745e-08$, $x_1 = 9.998298263533294e-01$, $x_2 = 9.996593737943263e-01$ 第8385次迭代 $f(x_{8385}) = 2.892198245267865e-08$, $x_1 = 9.998302317995349e-01$, $x_2 = 9.996594887243242e-01$ 第8386次迭代 $f(x_{8386}) = 2.887576700811046e-08$, $x_1 = 9.998301013377421e-01$, $x_2 = 9.996599119855502e-01$ 第8387次迭代 $f(x_{8387}) = 2.882956714497890e-08$, $x_1 = 9.998304970353744e-01$, $x_2 = 9.996600312772784e-01$ 第8388次迭代 $f(x_{8388}) = 2.878330440641675e-08$, $x_1 = 9.998303713766364e-01$, $x_2 = 9.996604643701438e-01$ 第8389次迭代 $f(x_{8389}) = 2.873704112193487e-08$, $x_1 = 9.998307753214070e-01$, $x_2 = 9.996605790334511e-01$ 第8390次迭代 $f(x_{8390}) = 2.869111768532504e-08$, $x_1 = 9.998306454760542e-01$, $x_2 = 9.996610008399578e-01$ 第8391次迭代 $f(x_{8391}) = 2.864521788655165e-08$, $x_1 = 9.998310397113676e-01$, $x_2 = 9.996611198470842e-01$ 第8392次迭代 $f(x_{8392}) = 2.859924526498609e-08$, $x_1 = 9.998309146527878e-01$, $x_2 = 9.996615514541940e-01$ 第8393次迭代 $f(x_{8393}) = 2.855328272197217e-08$, $x_1 = 9.998313171036611e-01$, $x_2 = 9.996616658503034e-01$ 第8394次迭代 $f(x_{8394}) = 2.850764948702045e-08$, $x_1 = 9.998311878701006e-01$, $x_2 = 9.996620862080861e-01$ 第8395次迭代 $f(x_{8395}) = 2.846204775337083e-08$, $x_1 = 9.998315806504068e-01$, $x_2 = 9.996622049302107e-01$ 第8396次迭代 $f(x_{8396}) = 2.841636349269611e-08$, $x_1 = 9.998314561873967e-01$, $x_2 = 9.996626350576562e-01$ 第8397次迭代 $f(x_{8397}) = 2.837069968279140e-08$, $x_1 = 9.998318571518601e-01$, $x_2 = 9.996627491860749e-01$ 第8398次迭代 $f(x_{8398}) = 2.832535485381971e-08$, $x_1 = 9.998317285254849e-01$, $x_2 = 9.996631681010966e-01$ 第8399次迭代 $f(x_{8399}) = 2.828004920006928e-08$, $x_1 = 9.998321198580468e-01$, $x_2 = 9.996632865378339e-01$ 第8400次迭代 $f(x_{8400}) = 2.823465155397851e-08$, $x_1 = 9.998319959860574e-01$, $x_2 = 9.996637151916741e-01$ 第8401次迭代 $f(x_{8401}) = 2.818928448289578e-08$, $x_1 = 9.998323954715493e-01$, $x_2 = 9.996638290519236e-01$ 第8402次迭代 $f(x_{8402}) = 2.814423595248538e-08$, $x_1 = 9.998322659715778e-01$, $x_2 = 9.996642513439656e-01$ 第8403次迭代 $f(x_{8403}) = 2.809908896423840e-08$, $x_1 = 9.998326616661634e-01$, $x_2 = 9.996643665959362e-01$ 第8404次迭代 $f(x_{8404}) = 2.805411698192651e-08$, $x_1 = 9.998325355034930e-01$, $x_2 = 9.996647866510940e-01$ 第8405次迭代 $f(x_{8405}) = 2.800918740475716e-08$, $x_1 = 9.998329274549589e-01$, $x_2 = 9.996649032717341e-01$ 第8406次迭代 $f(x_{8406}) = 2.796429348399332e-08$, $x_1 = 9.998328045828270e-01$, $x_2 = 9.996653211142601e-01$ 第8407次迭代 $f(x_{8407}) = 2.791957870646305e-08$, $x_1 = 9.998331928383252e-01$, $x_2 = 9.996654390808341e-01$ 第8408次迭代 $f(x_{8408}) = 2.787474306449497e-08$, $x_1 = 9.998330703417536e-01$, $x_2 = 9.996658647026384e-01$ 第8409次迭代 $f(x_{8409}) = 2.782996846129670e-08$, $x_1 = 9.998334666818581e-01$, $x_2 = 9.996659781300743e-01$ 第8410次迭代 $f(x_{8410}) = 2.778548164075704e-08$, $x_1 = 9.998333385956812e-01$, $x_2 = 9.996663974295632e-01$ 第8411次迭代 $f(x_{8411}) = 2.774092390190984e-08$, $x_1 = 9.998337311787082e-01$, $x_2 = 9.996665122350341e-01$ 第8412次迭代 $f(x_{8412}) = 2.769651301741672e-08$, $x_1 =$

9.998336063989882e-01, x2 = 9.996669293166892e-01 第8413次迭代 f(x_8413)
=2.765216951723817e-08, x1 = 9.998339952722652e-01, x2 = 9.996670454773681e-01 第8414次
迭代 f(x_8414)=2.760783605238600e-08, x1 = 9.998338737526902e-01, x2 =
9.996674603652107e-01 第8415次迭代 f(x_8415)=2.756370422435650e-08, x1 =
9.998342589629169e-01, x2 = 9.996675778585824e-01 第8416次迭代 f(x_8416)
=2.751942391195165e-08, x1 = 9.998341378206715e-01, x2 = 9.996680004738832e-01 第8417次
迭代 f(x_8417)=2.747523380573554e-08, x1 = 9.998345310479664e-01, x2 =
9.996681134650532e-01 第8418次迭代 f(x_8418)=2.743130190216030e-08, x1 =
9.998344043541890e-01, x2 = 9.996685297972974e-01 第8419次迭代 f(x_8419)
=2.738732549491905e-08, x1 = 9.998347938578249e-01, x2 = 9.996686441530011e-01 第8420次
迭代 f(x_8420)=2.734346891254801e-08, x1 = 9.998346704400493e-01, x2 =
9.996690582862439e-01 第8421次迭代 f(x_8421)=2.729970362369994e-08, x1 =
9.998350562669005e-01, x2 = 9.996691739838750e-01 第8422次迭代 f(x_8422)
=2.725591911805135e-08, x1 = 9.998349331969894e-01, x2 = 9.996695958212523e-01 第8423次
迭代 f(x_8423)=2.721209247068855e-08, x1 = 9.998353270813181e-01, x2 =
9.996697069989255e-01 第8424次迭代 f(x_8424)=2.716862064189833e-08, x1 =
9.998351999330450e-01, x2 = 9.996701178557239e-01 第8425次迭代 f(x_8425)
=2.712513927355364e-08, x1 = 9.998355843492026e-01, x2 = 9.996702332702815e-01 第8426次
迭代 f(x_8426)=2.708162974651458e-08, x1 = 9.998354618508529e-01, x2 =
9.996706536681004e-01 第8427次迭代 f(x_8427)=2.703808764900440e-08, x1 =
9.998358542940918e-01, x2 = 9.996707645794697e-01 第8428次迭代 f(x_8428)
=2.699489077448059e-08, x1 = 9.998357277288059e-01, x2 = 9.996711740326925e-01 第8429次
迭代 f(x_8429)=2.695169143886357e-08, x1 = 9.998361107412338e-01, x2 =
9.996712891638629e-01 第8430次迭代 f(x_8430)=2.690845522102998e-08, x1 =
9.998359888101334e-01, x2 = 9.996717081279743e-01 第8431次迭代 f(x_8431)
=2.686519577727086e-08, x1 = 9.998363798194138e-01, x2 = 9.996718187726376e-01 第8432次
迭代 f(x_8432)=2.682227215271232e-08, x1 = 9.998362538327832e-01, x2 =
9.996722268280118e-01 第8433次迭代 f(x_8433)=2.677935297515493e-08, x1 =
9.998366354484002e-01, x2 = 9.996723416754940e-01 第8434次迭代 f(x_8434)
=2.673638840654887e-08, x1 = 9.998365140802736e-01, x2 = 9.996727592117185e-01 第8435次
迭代 f(x_8435)=2.669340973362293e-08, x1 = 9.998369036626805e-01, x2 =
9.996728695892863e-01 第8436次迭代 f(x_8436)=2.665075766489558e-08, x1 =
9.998367782504104e-01, x2 = 9.996732762525091e-01 第8437次迭代 f(x_8437)
=2.660811678373170e-08, x1 = 9.998371584760902e-01, x2 = 9.996733908160141e-01 第8438次
迭代 f(x_8438)=2.656542221362694e-08, x1 = 9.998370376666997e-01, x2 =
9.996738069301419e-01 第8439次迭代 f(x_8439)=2.652272244181855e-08, x1 =
9.998374258292712e-01, x2 = 9.996739170402383e-01 第8440次迭代 f(x_8440)
=2.648034024478069e-08, x1 = 9.998373009871042e-01, x2 = 9.996743223169766e-01 第8441次
迭代 f(x_8441)=2.643797581138087e-08, x1 = 9.998376798296755e-01, x2 =
9.996744365962281e-01 第8442次迭代 f(x_8442)=2.639554959842722e-08, x1 =
9.998375595748193e-01, x2 = 9.996748512940190e-01 第8443次迭代 f(x_8443)
=2.635312687101666e-08, x1 = 9.998379463245479e-01, x2 = 9.996749611362808e-01 第8444次
迭代 f(x_8444)=2.631101287159029e-08, x1 = 9.998378220482628e-01, x2 =
9.996753650321725e-01 第8445次迭代 f(x_8445)=2.626892305003222e-08, x1 =
9.998381995145104e-01, x2 = 9.996754790269059e-01 第8446次迭代 f(x_8446)
=2.622676356206735e-08, x1 = 9.998380798100233e-01, x2 = 9.996758923140904e-01 第8447次
迭代 f(x_8447)=2.618461603532054e-08, x1 = 9.998384651538561e-01, x2 =
9.996760018881670e-01 第8448次迭代 f(x_8448)=2.614276856933383e-08, x1 =
9.998383414392676e-01, x2 = 9.996764044088201e-01 第8449次迭代 f(x_8449)
=2.610095153651752e-08, x1 = 9.998387175359322e-01, x2 = 9.996765181187830e-01 第8450次

迭代 $f(x_{8450}) = 2.605905715069956e-08$, $x_1 = 9.998385983776842e-01$, $x_2 = 9.996769300010617e-01$ 第8451次迭代 $f(x_{8451}) = 2.601718299367906e-08$, $x_1 = 9.998389823225237e-01$, $x_2 = 9.996770393066148e-01$ 第8452次迭代 $f(x_{8452}) = 2.597560040684360e-08$, $x_1 = 9.998388591654824e-01$, $x_2 = 9.996774404576088e-01$ 第8453次迭代 $f(x_{8453}) = 2.593405435228490e-08$, $x_1 = 9.998392338992612e-01$, $x_2 = 9.996775538825602e-01$ 第8454次迭代 $f(x_{8454}) = 2.589242345481206e-08$, $x_1 = 9.998391152831584e-01$, $x_2 = 9.996779643656046e-01$ 第8455次迭代 $f(x_{8455}) = 2.585082084934712e-08$, $x_1 = 9.998394978358617e-01$, $x_2 = 9.996780734023085e-01$ 第8456次迭代 $f(x_{8456}) = 2.580951040082394e-08$, $x_1 = 9.998393738185386e-01$, $x_2 = 9.996784777990483e-01$ 第8457次迭代 $f(x_{8457}) = 2.576810933247400e-08$, $x_1 = 9.998397527528869e-01$, $x_2 = 9.996785881625516e-01$ 第8458次迭代 $f(x_{8458}) = 2.572686930383911e-08$, $x_1 = 9.998396319197259e-01$, $x_2 = 9.996789904230713e-01$ 第8459次迭代 $f(x_{8459}) = 2.568566733733659e-08$, $x_1 = 9.998400072811517e-01$, $x_2 = 9.996791020914639e-01$ 第8460次迭代 $f(x_{8460}) = 2.564449910402053e-08$, $x_1 = 9.998398895876973e-01$, $x_2 = 9.996795022388253e-01$ 第8461次迭代 $f(x_{8461}) = 2.560349385884989e-08$, $x_1 = 9.998402614210319e-01$, $x_2 = 9.996796151904963e-01$ 第8462次迭代 $f(x_{8462}) = 2.556237960571418e-08$, $x_1 = 9.998401440752093e-01$, $x_2 = 9.996800227934379e-01$ 第8463次迭代 $f(x_{8463}) = 2.552131920959874e-08$, $x_1 = 9.998405236633158e-01$, $x_2 = 9.996801313919909e-01$ 第8464次迭代 $f(x_{8464}) = 2.548052481351680e-08$, $x_1 = 9.998404009528559e-01$, $x_2 = 9.996805329465196e-01$ 第8465次迭代 $f(x_{8465}) = 2.543966303780450e-08$, $x_1 = 9.998407769542071e-01$, $x_2 = 9.996806428591631e-01$ 第8466次迭代 $f(x_{8466}) = 2.539893847013653e-08$, $x_1 = 9.998406573991603e-01$, $x_2 = 9.996810422953208e-01$ 第8467次迭代 $f(x_{8467}) = 2.535827292073326e-08$, $x_1 = 9.998410298587622e-01$, $x_2 = 9.996811535003530e-01$ 第8468次迭代 $f(x_{8468}) = 2.531761953043674e-08$, $x_1 = 9.998409134150918e-01$, $x_2 = 9.996815508409871e-01$ 第8469次迭代 $f(x_{8469}) = 2.527714786697750e-08$, $x_1 = 9.998412823773556e-01$, $x_2 = 9.996816633170018e-01$ 第8470次迭代 $f(x_{8470}) = 2.523654408681194e-08$, $x_1 = 9.998411662827018e-01$, $x_2 = 9.996820680637474e-01$ 第8471次迭代 $f(x_{8471}) = 2.519601863424677e-08$, $x_1 = 9.998415429363074e-01$, $x_2 = 9.996821762213928e-01$ 第8472次迭代 $f(x_{8472}) = 2.515573402336418e-08$, $x_1 = 9.998414215133132e-01$, $x_2 = 9.996825749574009e-01$ 第8473次迭代 $f(x_{8473}) = 2.511540432189680e-08$, $x_1 = 9.998417946113882e-01$, $x_2 = 9.996826844165958e-01$ 第8474次迭代 $f(x_{8474}) = 2.507518894644216e-08$, $x_1 = 9.998416763154135e-01$, $x_2 = 9.996830810518823e-01$ 第8475次迭代 $f(x_{8475}) = 2.503505264229245e-08$, $x_1 = 9.998420459025424e-01$, $x_2 = 9.996831917911303e-01$ 第8476次迭代 $f(x_{8476}) = 2.499490449521245e-08$, $x_1 = 9.998419279270022e-01$, $x_2 = 9.996835958103759e-01$ 第8477次迭代 $f(x_{8477}) = 2.495471152722007e-08$, $x_1 = 9.998423052452495e-01$, $x_2 = 9.996837022137118e-01$ 第8478次迭代 $f(x_{8478}) = 2.491484902253692e-08$, $x_1 = 9.998421833533752e-01$, $x_2 = 9.996840957231583e-01$ 第8479次迭代 $f(x_{8479}) = 2.487497259909037e-08$, $x_1 = 9.998425516116781e-01$, $x_2 = 9.996842061803189e-01$ 第8480次迭代 $f(x_{8480}) = 2.483507720499358e-08$, $x_1 = 9.998424341610890e-01$, $x_2 = 9.996846088322136e-01$ 第8481次迭代 $f(x_{8481}) = 2.479514466704012e-08$, $x_1 = 9.998428101220161e-01$, $x_2 = 9.996847149692146e-01$ 第8482次迭代 $f(x_{8482}) = 2.475553465919443e-08$, $x_1 = 9.998426887662066e-01$, $x_2 = 9.996851071456813e-01$ 第8483次迭代 $f(x_{8483}) = 2.471591639436627e-08$, $x_1 = 9.998430557021112e-01$, $x_2 = 9.996852173205748e-01$ 第8484次迭代 $f(x_{8484}) = 2.467627221119217e-08$, $x_1 = 9.998429387725887e-01$, $x_2 = 9.996856186105990e-01$ 第8485次迭代 $f(x_{8485}) = 2.463659837406170e-08$, $x_1 = 9.998433133827761e-01$, $x_2 = 9.996857244810040e-01$ 第8486次迭代 $f(x_{8486}) = 2.459723929349653e-08$, $x_1 = 9.998431925591267e-01$, $x_2 = 9.996861153298533e-01$ 第8487次迭代 $f(x_{8487}) = 2.455787747708101e-08$, $x_1 =$

9.998435581790188e-01, x2 = 9.996862252223105e-01 第8488次迭代 f(x_8488)
=2.451848297168295e-08, x1 = 9.998434417667117e-01, x2 = 9.996866251559167e-01 第8489次
迭代 f(x_8489) =2.447906611817500e-08, x1 = 9.998438150326983e-01, x2 =
9.996867307594755e-01 第8490次迭代 f(x_8490) =2.443995640469667e-08, x1 =
9.998436947373366e-01, x2 = 9.996871202860428e-01 第8491次迭代 f(x_8491)
=2.440084933825576e-08, x1 = 9.998440590475628e-01, x2 = 9.996872298959051e-01 第8492次
迭代 f(x_8492) =2.436170298619542e-08, x1 = 9.998439431486517e-01, x2 =
9.996876284785182e-01 第8493次迭代 f(x_8493) =2.432254141093614e-08, x1 =
9.998443150769348e-01, x2 = 9.996877338149917e-01 第8494次迭代 f(x_8494)
=2.428367951366674e-08, x1 = 9.998441953060215e-01, x2 = 9.996881220245851e-01 第8495次
迭代 f(x_8495) =2.424482551054548e-08, x1 = 9.998445583128873e-01, x2 =
9.996882313517041e-01 第8496次迭代 f(x_8496) =2.420592579602392e-08, x1 =
9.998444429235861e-01, x2 = 9.996886285887217e-01 第8497次迭代 f(x_8497)
=2.416701780551572e-08, x1 = 9.998448135206213e-01, x2 = 9.996887336578819e-01 第8498次
迭代 f(x_8498) =2.412840218280341e-08, x1 = 9.998446942703499e-01, x2 =
9.996891205557824e-01 第8499次迭代 f(x_8499) =2.408979956793882e-08, x1 =
9.998450559801204e-01, x2 = 9.996892296000206e-01 第8500次迭代 f(x_8500)
=2.405114498384859e-08, x1 = 9.998449410966755e-01, x2 = 9.996896254968122e-01 第8501次
迭代 f(x_8501) =2.401248889630910e-08, x1 = 9.998453103688770e-01, x2 =
9.996897302984424e-01 第8502次迭代 f(x_8502) =2.397411801583802e-08, x1 =
9.998451916354730e-01, x2 = 9.996901158899039e-01 第8503次迭代 f(x_8503)
=2.393576512570002e-08, x1 = 9.998455520543744e-01, x2 = 9.996902246511337e-01 第8504次
迭代 f(x_8504) =2.389735417358891e-08, x1 = 9.998454376730632e-01, x2 =
9.996906192130425e-01 第8505次迭代 f(x_8505) =2.385894831879809e-08, x1 =
9.998458056268054e-01, x2 = 9.996907237469362e-01 第8506次迭代 f(x_8506)
=2.382082065740305e-08, x1 = 9.998456874065257e-01, x2 = 9.996911080371860e-01 第8507次
迭代 f(x_8507) =2.378271583989236e-08, x1 = 9.998460465407444e-01, x2 =
9.996912165152900e-01 第8508次迭代 f(x_8508) =2.374454702977402e-08, x1 =
9.998459326578770e-01, x2 = 9.996916097476318e-01 第8509次迭代 f(x_8509)
=2.370638974920382e-08, x1 = 9.998462992994930e-01, x2 = 9.996917140135936e-01 第8510次
迭代 f(x_8510) =2.366850379273781e-08, x1 = 9.998461815886267e-01, x2 =
9.996920970078325e-01 第8511次迭代 f(x_8511) =2.363064540718653e-08, x1 =
9.998465394443098e-01, x2 = 9.996922052027034e-01 第8512次迭代 f(x_8512)
=2.359271725774213e-08, x1 = 9.998464260562271e-01, x2 = 9.996925971107672e-01 第8513次
迭代 f(x_8513) =2.355480690414783e-08, x1 = 9.998467913920102e-01, x2 =
9.996927011086119e-01 第8514次迭代 f(x_8514) =2.351716114769594e-08, x1 =
9.998466741868777e-01, x2 = 9.996930828120141e-01 第8515次迭代 f(x_8515)
=2.347954756469229e-08, x1 = 9.998470307701334e-01, x2 = 9.996931907235543e-01 第8516次
迭代 f(x_8516) =2.344185860303357e-08, x1 = 9.998469178732078e-01, x2 =
9.996935813126023e-01 第8517次迭代 f(x_8517) =2.340419354068131e-08, x1 =
9.998472819094113e-01, x2 = 9.996936850421554e-01 第8518次迭代 f(x_8518)
=2.336679472954404e-08, x1 = 9.998471638606866e-01, x2 = 9.996940698463823e-01 第8519次
迭代 f(x_8519) =2.332931186690061e-08, x1 = 9.998475244659039e-01, x2 =
9.996941748324530e-01 第8520次迭代 f(x_8520) =2.329197701032577e-08, x1 =
9.998474094352248e-01, x2 = 9.996945576099240e-01 第8521次迭代 f(x_8521)
=2.325467415680755e-08, x1 = 9.998477666523493e-01, x2 = 9.996946638318326e-01 第8522次
迭代 f(x_8522) =2.321740448828746e-08, x1 = 9.998476545977472e-01, x2 =
9.996950446043257e-01 第8523次迭代 f(x_8523) =2.318027950214800e-08, x1 =
9.998480084691085e-01, x2 = 9.996951520416728e-01 第8524次迭代 f(x_8524)
=2.314305952272535e-08, x1 = 9.998478967323221e-01, x2 = 9.996955399145873e-01 第8525次

迭代 $f(x_{8525}) = 2.310588426607615e-08$, $x_1 = 9.998482579969153e-01$, $x_2 = 9.996956432027108e-01$ 第8526次迭代 $f(x_{8526}) = 2.306895358607512e-08$, $x_1 = 9.998481411429618e-01$, $x_2 = 9.996960253269451e-01$ 第8527次迭代 $f(x_{8527}) = 2.303195792245840e-08$, $x_1 = 9.998484990058155e-01$, $x_2 = 9.996961298599034e-01$ 第8528次迭代 $f(x_{8528}) = 2.299509063203721e-08$, $x_1 = 9.998483851433655e-01$, $x_2 = 9.996965099739593e-01$ 第8529次迭代 $f(x_{8529}) = 2.295827240701142e-08$, $x_1 = 9.998487396469811e-01$, $x_2 = 9.996966157312636e-01$ 第8530次迭代 $f(x_{8530}) = 2.292146971664076e-08$, $x_1 = 9.998486287344515e-01$, $x_2 = 9.996969938567213e-01$ 第8531次迭代 $f(x_{8531}) = 2.288482682383354e-08$, $x_1 = 9.998489799207715e-01$, $x_2 = 9.996971008181608e-01$ 第8532次迭代 $f(x_{8532}) = 2.284807019036453e-08$, $x_1 = 9.998488693270515e-01$, $x_2 = 9.996974859971332e-01$ 第8533次迭代 $f(x_{8533}) = 2.281137820378065e-08$, $x_1 = 9.998492278475443e-01$, $x_2 = 9.996975888417661e-01$ 第8534次迭代 $f(x_{8534}) = 2.277490994417503e-08$, $x_1 = 9.998491121710212e-01$, $x_2 = 9.996979683079913e-01$ 第8535次迭代 $f(x_{8535}) = 2.27383949855522e-08$, $x_1 = 9.998494673186820e-01$, $x_2 = 9.996980723859268e-01$ 第8536次迭代 $f(x_{8536}) = 2.270198955033093e-08$, $x_1 = 9.998493546074411e-01$, $x_2 = 9.996984498583696e-01$ 第8537次迭代 $f(x_{8537}) = 2.266564950070837e-08$, $x_1 = 9.998497064243840e-01$, $x_2 = 9.996985551493076e-01$ 第8538次迭代 $f(x_{8538}) = 2.262930633827439e-08$, $x_1 = 9.998495940043696e-01$, $x_2 = 9.996989396543809e-01$ 第8539次迭代 $f(x_{8539}) = 2.259291454193520e-08$, $x_1 = 9.998499531944690e-01$, $x_2 = 9.996990408112530e-01$ 第8540次迭代 $f(x_{8540}) = 2.255682849465226e-08$, $x_1 = 9.998498370369502e-01$, $x_2 = 9.996994153218605e-01$ 第8541次迭代 $f(x_{8541}) = 2.252072325163976e-08$, $x_1 = 9.998501876124258e-01$, $x_2 = 9.996995203329720e-01$ 第8542次迭代 $f(x_{8542}) = 2.248460949516962e-08$, $x_1 = 9.998500756686770e-01$, $x_2 = 9.996999035486324e-01$ 第8543次迭代 $f(x_{8543}) = 2.244845297543141e-08$, $x_1 = 9.998504335908350e-01$, $x_2 = 9.997000044403476e-01$ 第8544次迭代 $f(x_{8544}) = 2.241259587289612e-08$, $x_1 = 9.998503179203333e-01$, $x_2 = 9.997003776941565e-01$ 第8545次迭代 $f(x_{8545}) = 2.237672388613780e-08$, $x_1 = 9.998506672602103e-01$, $x_2 = 9.997004824253937e-01$ 第8546次迭代 $f(x_{8546}) = 2.234083812893798e-08$, $x_1 = 9.998505557892814e-01$, $x_2 = 9.997008643567300e-01$ 第8547次迭代 $f(x_{8547}) = 2.230491532953656e-08$, $x_1 = 9.998509124495059e-01$, $x_2 = 9.997009649831664e-01$ 第8548次迭代 $f(x_{8548}) = 2.226928574426369e-08$, $x_1 = 9.998507972625540e-01$, $x_2 = 9.997013369851553e-01$ 第8549次迭代 $f(x_{8549}) = 2.223364547407133e-08$, $x_1 = 9.998511453726650e-01$, $x_2 = 9.997014414364787e-01$ 第8550次迭代 $f(x_{8550}) = 2.219798631748913e-08$, $x_1 = 9.998510343711389e-01$, $x_2 = 9.997018220885553e-01$ 第8551次迭代 $f(x_{8551}) = 2.216229569287224e-08$, $x_1 = 9.998513897754001e-01$, $x_2 = 9.997019224496001e-01$ 第8552次迭代 $f(x_{8552}) = 2.212689220594691e-08$, $x_1 = 9.998512750685601e-01$, $x_2 = 9.997022932047223e-01$ 第8553次迭代 $f(x_{8553}) = 2.209148212319240e-08$, $x_1 = 9.998516219547012e-01$, $x_2 = 9.997023973761016e-01$ 第8554次迭代 $f(x_{8554}) = 2.205604817666373e-08$, $x_1 = 9.998515114191897e-01$, $x_2 = 9.997027767539576e-01$ 第8555次迭代 $f(x_{8555}) = 2.202058819192573e-08$, $x_1 = 9.998518655734211e-01$, $x_2 = 9.997028768495075e-01$ 第8556次迭代 $f(x_{8556}) = 2.198540939296851e-08$, $x_1 = 9.998517513432833e-01$, $x_2 = 9.997032463626918e-01$ 第8557次迭代 $f(x_{8557}) = 2.195022797896474e-08$, $x_1 = 9.998520970112150e-01$, $x_2 = 9.997033502541056e-01$ 第8558次迭代 $f(x_{8558}) = 2.191501785998202e-08$, $x_1 = 9.998519869383581e-01$, $x_2 = 9.997037283627553e-01$ 第8559次迭代 $f(x_{8559}) = 2.187978699072794e-08$, $x_1 = 9.998523398484561e-01$, $x_2 = 9.997038281927161e-01$ 第8560次迭代 $f(x_{8560}) = 2.184483147788855e-08$, $x_1 = 9.998522260916395e-01$, $x_2 = 9.997041964688668e-01$ 第8561次迭代 $f(x_{8561}) = 2.180987722433172e-08$, $x_1 = 9.998525705470864e-01$, $x_2 = 9.997043000803021e-01$ 第8562次迭代 $f(x_{8562}) = 2.177488955839545e-08$, $x_1 =$

9.998524609335526e-01, x2 = 9.997046769247347e-01 第8563次迭代 f(x_8563)
=2.173988629072380e-08, x1 = 9.998528126053768e-01, x2 = 9.997047764890215e-01 第8564次
迭代 f(x_8564)=2.170515267055262e-08, x1 = 9.998526993185290e-01, x2 =
9.997051435330181e-01 第8565次迭代 f(x_8565)=2.167042407949116e-08, x1 =
9.998530425671798e-01, x2 = 9.997052468644710e-01 第8566次迭代 f(x_8566)
=2.163565750003287e-08, x1 = 9.998529334096662e-01, x2 = 9.997056224496509e-01 第8567次
迭代 f(x_8567)=2.160088033047432e-08, x1 = 9.998532838490397e-01, x2 =
9.997057217481878e-01 第8568次迭代 f(x_8568)=2.156636721802846e-08, x1 =
9.998531710288355e-01, x2 = 9.997060875648862e-01 第8569次迭代 f(x_8569)
=2.153186280172907e-08, x1 = 9.998535130763444e-01, x2 = 9.997061906163606e-01 第8570次
迭代 f(x_8570)=2.149731595006329e-08, x1 = 9.998534043715753e-01, x2 =
9.997065649472280e-01 第8571次迭代 f(x_8571)=2.146276338543641e-08, x1 =
9.998537535842853e-01, x2 = 9.997066639799482e-01 第8572次迭代 f(x_8572)
=2.142846940401795e-08, x1 = 9.998536412274281e-01, x2 = 9.997070285741796e-01 第8573次
迭代 f(x_8573)=2.139418768494310e-08, x1 = 9.998539820794138e-01, x2 =
9.997071313456882e-01 第8574次迭代 f(x_8574)=2.135985921042749e-08, x1 =
9.998538738241408e-01, x2 = 9.997075044271588e-01 第8575次迭代 f(x_8575)
=2.132552976773683e-08, x1 = 9.998542218159393e-01, x2 = 9.997076031940042e-01 第8576次
迭代 f(x_8576)=2.129145354906718e-08, x1 = 9.998541099191589e-01, x2 =
9.997079665705764e-01 第8577次迭代 f(x_8577)=2.125739305971388e-08, x1 =
9.998544495812064e-01, x2 = 9.997080690621398e-01 第8578次迭代 f(x_8578)
=2.122328161933415e-08, x1 = 9.998543417722088e-01, x2 = 9.997084408991055e-01 第8579次
迭代 f(x_8579)=2.118917382584873e-08, x1 = 9.998546885488113e-01, x2 =
9.997085394000266e-01 第8580次迭代 f(x_8580)=2.115531400985510e-08, x1 =
9.998545771088655e-01, x2 = 9.997089015637233e-01 第8581次迭代 f(x_8581)
=2.112147329283189e-08, x1 = 9.998549155865248e-01, x2 = 9.997090037753704e-01 第8582次
迭代 f(x_8582)=2.108757755149614e-08, x1 = 9.998548082206085e-01, x2 =
9.997093743726988e-01 第8583次迭代 f(x_8583)=2.105368994449546e-08, x1 =
9.998551537876961e-01, x2 = 9.997094726076547e-01 第8584次迭代 f(x_8584)
=2.102004517935832e-08, x1 = 9.998550428013693e-01, x2 = 9.997098335632361e-01 第8585次
迭代 f(x_8585)=2.098642278714566e-08, x1 = 9.998553801001564e-01, x2 =
9.997099354950040e-01 第8586次迭代 f(x_8586)=2.095274141752498e-08, x1 =
9.998552731741543e-01, x2 = 9.997103048575388e-01 第8587次迭代 f(x_8587)
=2.091907254435325e-08, x1 = 9.998556175373726e-01, x2 = 9.997104028264973e-01 第8588次
迭代 f(x_8588)=2.088564148637078e-08, x1 = 9.998555070014764e-01, x2 =
9.997107625787000e-01 第8589次迭代 f(x_8589)=2.085223598136143e-08, x1 =
9.998558431268734e-01, x2 = 9.997108642306336e-01 第8590次迭代 f(x_8590)
=2.081876766382167e-08, x1 = 9.998557366376453e-01, x2 = 9.997112323631947e-01 第8591次
迭代 f(x_8591)=2.078531608178140e-08, x1 = 9.998560798026052e-01, x2 =
9.997113300661320e-01 第8592次迭代 f(x_8592)=2.075209739543902e-08, x1 =
9.998559697139772e-01, x2 = 9.997116886196695e-01 第8593次迭代 f(x_8593)
=2.071890734980572e-08, x1 = 9.998563046714326e-01, x2 = 9.997117899918215e-01 第8594次
迭代 f(x_8594)=2.068565077243696e-08, x1 = 9.998561986158642e-01, x2 =
9.997121568992055e-01 第8595次迭代 f(x_8595)=2.065241504868061e-08, x1 =
9.998565405881422e-01, x2 = 9.997122543361058e-01 第8596次迭代 f(x_8596)
=2.061941474736168e-08, x1 = 9.998564296793601e-01, x2 = 9.997126158163028e-01 第8597次
迭代 f(x_8597)=2.058633950641990e-08, x1 = 9.998567684423934e-01, x2 =
9.997127144266855e-01 第8598次迭代 f(x_8598)=2.055339586631234e-08, x1 =
9.998566603551691e-01, x2 = 9.997130740097762e-01 第8599次迭代 f(x_8599)
=2.052047919027765e-08, x1 = 9.998569959488723e-01, x2 = 9.997131737744042e-01 第8600次

迭代 $f(x_{8600}) = 2.048759328712069e-08$, $x_1 = 9.998568906441564e-01$, $x_2 = 9.997135314806587e-01$ 第8601次迭代 $f(x_{8601}) = 2.045483330069848e-08$, $x_1 = 9.998572231079214e-01$, $x_2 = 9.997136323805549e-01$ 第8602次迭代 $f(x_{8602}) = 2.042199187604468e-08$, $x_1 = 9.998571180876294e-01$, $x_2 = 9.997139967637617e-01$ 第8603次迭代 $f(x_{8603}) = 2.038918721578977e-08$, $x_1 = 9.998574575116178e-01$, $x_2 = 9.997140937584361e-01$ 第8604次迭代 $f(x_{8604}) = 2.035660098187882e-08$, $x_1 = 9.998573476704383e-01$, $x_2 = 9.997144527485073e-01$ 第8605次迭代 $f(x_{8605}) = 2.032395453990297e-08$, $x_1 = 9.998576839117403e-01$, $x_2 = 9.997145509061464e-01$ 第8606次迭代 $f(x_{8606}) = 2.029142443755921e-08$, $x_1 = 9.998575768680932e-01$, $x_2 = 9.997149080142302e-01$ 第8607次迭代 $f(x_{8607}) = 2.025893432681387e-08$, $x_1 = 9.998579099662697e-01$, $x_2 = 9.997150073157690e-01$ 第8608次迭代 $f(x_{8608}) = 2.022646141246537e-08$, $x_1 = 9.998578056814524e-01$, $x_2 = 9.997153625619577e-01$ 第8609次迭代 $f(x_{8609}) = 2.019412578776990e-08$, $x_1 = 9.998581356755468e-01$, $x_2 = 9.997154629885886e-01$ 第8610次迭代 $f(x_{8610}) = 2.016169449165596e-08$, $x_1 = 9.998580316757164e-01$, $x_2 = 9.997158248678529e-01$ 第8611次迭代 $f(x_{8611}) = 2.012931517154890e-08$, $x_1 = 9.998583685760173e-01$, $x_2 = 9.997159214189836e-01$ 第8612次迭代 $f(x_{8612}) = 2.009713792795012e-08$, $x_1 = 9.998582597873791e-01$, $x_2 = 9.997162779389654e-01$ 第8613次迭代 $f(x_{8613}) = 2.006491459700711e-08$, $x_1 = 9.998585935312535e-01$, $x_2 = 9.997163756426743e-01$ 第8614次迭代 $f(x_{8614}) = 2.003279295631313e-08$, $x_1 = 9.998584875164033e-01$, $x_2 = 9.997167302956277e-01$ 第8615次迭代 $f(x_{8615}) = 2.000072375776974e-08$, $x_1 = 9.998588181430625e-01$, $x_2 = 9.997168291330202e-01$ 第8616次迭代 $f(x_{8616}) = 1.996865832141163e-08$, $x_1 = 9.998587123868530e-01$, $x_2 = 9.997171903996491e-01$ 第8617次迭代 $f(x_{8617}) = 1.993654303381373e-08$, $x_1 = 9.998590499576091e-01$, $x_2 = 9.997172853446945e-01$ 第8618次迭代 $f(x_{8618}) = 1.990470323547617e-08$, $x_1 = 9.998589406779195e-01$, $x_2 = 9.997176372291471e-01$ 第8619次迭代 $f(x_{8619}) = 1.987284072819232e-08$, $x_1 = 9.998592701641357e-01$, $x_2 = 9.997177357908397e-01$ 第8620次迭代 $f(x_{8620}) = 1.984097833634777e-08$, $x_1 = 9.998591648292042e-01$, $x_2 = 9.997180958592953e-01$ 第8621次迭代 $f(x_{8621}) = 1.980907012553349e-08$, $x_1 = 9.998595012353693e-01$, $x_2 = 9.997181905420609e-01$ 第8622次迭代 $f(x_{8622}) = 1.977743272090910e-08$, $x_1 = 9.998593923872531e-01$, $x_2 = 9.997185412588789e-01$ 第8623次迭代 $f(x_{8623}) = 1.974577554591137e-08$, $x_1 = 9.998597207382680e-01$, $x_2 = 9.997186395449617e-01$ 第8624次迭代 $f(x_{8624}) = 1.971411494618023e-08$, $x_1 = 9.998596158216527e-01$, $x_2 = 9.997189984198873e-01$ 第8625次迭代 $f(x_{8625}) = 1.968241244849888e-08$, $x_1 = 9.998599510685913e-01$, $x_2 = 9.997190928403974e-01$ 第8626次迭代 $f(x_{8626}) = 1.965097617128884e-08$, $x_1 = 9.998598426490645e-01$, $x_2 = 9.997194423941207e-01$ 第8627次迭代 $f(x_{8627}) = 1.961952297883398e-08$, $x_1 = 9.998601698700889e-01$, $x_2 = 9.997195404046905e-01$ 第8628次迭代 $f(x_{8628}) = 1.958806292616425e-08$, $x_1 = 9.998600653688517e-01$, $x_2 = 9.997198980907074e-01$ 第8629次迭代 $f(x_{8629}) = 1.955656478717815e-08$, $x_1 = 9.998603994618969e-01$, $x_2 = 9.997199922489935e-01$ 第8630次迭代 $f(x_{8630}) = 1.952532837868312e-08$, $x_1 = 9.998602914679999e-01$, $x_2 = 9.997203406441404e-01$ 第8631次迭代 $f(x_{8631}) = 1.949407782818894e-08$, $x_1 = 9.998606175642126e-01$, $x_2 = 9.997204383793014e-01$ 第8632次迭代 $f(x_{8632}) = 1.946281708477116e-08$, $x_1 = 9.998605134754409e-01$, $x_2 = 9.997207948810080e-01$ 第8633次迭代 $f(x_{8633}) = 1.943152195936822e-08$, $x_1 = 9.998608464198921e-01$, $x_2 = 9.997208887771097e-01$ 第8634次迭代 $f(x_{8634}) = 1.940048416860095e-08$, $x_1 = 9.998607388486903e-01$, $x_2 = 9.997212360181759e-01$ 第8635次迭代 $f(x_{8635}) = 1.936943492862262e-08$, $x_1 = 9.998610638252390e-01$, $x_2 = 9.997213334780389e-01$ 第8636次迭代 $f(x_{8636}) = 1.933837226392555e-08$, $x_1 = 9.998609601460438e-01$, $x_2 = 9.997216888000119e-01$ 第8637次迭代 $f(x_{8637}) = 1.930727881615285e-08$, $x_1 =$

9.998612919471692e-01, x2 = 9.997217824339757e-01 第8638次迭代 f(x_8638)
=1.927643839965007e-08, x1 = 9.998611847957518e-01, x2 = 9.997221285254355e-01 第8639次
迭代 f(x_8639)=1.924558914775522e-08, x1 = 9.998615086577530e-01, x2 =
9.99722257101189e-01 第8640次迭代 f(x_8640)=1.921472333851538e-08, x1 =
9.998614053852692e-01, x2 = 9.997225798569126e-01 第8641次迭代 f(x_8641)
=1.918383024148031e-08, x1 = 9.998617360483054e-01, x2 = 9.997226732287925e-01 第8642次
迭代 f(x_8642)=1.915318596340929e-08, x1 = 9.998616293137852e-01, x2 =
9.997230181750986e-01 第8643次迭代 f(x_8643)=1.912253538613463e-08, x1 =
9.998619520663251e-01, x2 = 9.997231150847268e-01 第8644次迭代 f(x_8644)
=1.909186521620312e-08, x1 = 9.998618491977117e-01, x2 = 9.997234680608739e-01 第8645次
迭代 f(x_8645)=1.906117115205877e-08, x1 = 9.998621787278630e-01, x2 =
9.997235611707310e-01 第8646次迭代 f(x_8646)=1.903072178409782e-08, x1 =
9.998620724073771e-01, x2 = 9.997239049763144e-01 第8647次迭代 f(x_8647)
=1.900026857688731e-08, x1 = 9.998623940555110e-01, x2 = 9.997240016110190e-01 第8648次
迭代 f(x_8648)=1.896979283734892e-08, x1 = 9.998622915879503e-01, x2 =
9.997243534210302e-01 第8649次迭代 f(x_8649)=1.893929649722083e-08, x1 =
9.998626199903903e-01, x2 = 9.997244462689330e-01 第8650次迭代 f(x_8650)
=1.890904081851321e-08, x1 = 9.998625140810987e-01, x2 = 9.997247889382035e-01 第8651次
迭代 f(x_8651)=1.887878368569925e-08, x1 = 9.998628346298524e-01, x2 =
9.997248852981223e-01 第8652次迭代 f(x_8652)=1.884850117464418e-08, x1 =
9.998627325605494e-01, x2 = 9.997252359464873e-01 第8653次迭代 f(x_8653)
=1.881820125857971e-08, x1 = 9.998630598404210e-01, x2 = 9.997253285325106e-01 第8654次
迭代 f(x_8654)=1.878813805564281e-08, x1 = 9.998629543395071e-01, x2 =
9.997256700698570e-01 第8655次迭代 f(x_8655)=1.875807571028814e-08, x1 =
9.998632737938755e-01, x2 = 9.997257661551346e-01 第8656次迭代 f(x_8656)
=1.872798523297791e-08, x1 = 9.998631721200590e-01, x2 = 9.997261156463213e-01 第8657次
迭代 f(x_8657)=1.869788044980817e-08, x1 = 9.998634982824737e-01, x2 =
9.997262079705472e-01 第8658次迭代 f(x_8658)=1.866800851663235e-08, x1 =
9.998633931871443e-01, x2 = 9.997265483803369e-01 第8659次迭代 f(x_8659)
=1.863813968055311e-08, x1 = 9.998637115520929e-01, x2 = 9.997266441911242e-01 第8660次
迭代 f(x_8660)=1.860824004919975e-08, x1 = 9.998636102710147e-01, x2 =
9.997269925295791e-01 第8661次迭代 f(x_8661)=1.857832911660086e-08, x1 =
9.998639353210532e-01, x2 = 9.997270845920967e-01 第8662次迭代 f(x_8662)
=1.854864725451819e-08, x1 = 9.998638306285377e-01, x2 = 9.997274238786762e-01 第8663次
迭代 f(x_8663)=1.851897065814731e-08, x1 = 9.998641479090024e-01, x2 =
9.997275194151305e-01 第8664次迭代 f(x_8664)=1.848926069199681e-08, x1 =
9.998640470179366e-01, x2 = 9.997278666052790e-01 第8665次迭代 f(x_8665)
=1.845954233631351e-08, x1 = 9.998643709606498e-01, x2 = 9.997279584061840e-01 第8666次
迭代 f(x_8666)=1.843004935386058e-08, x1 = 9.998642666682006e-01, x2 =
9.997282965738791e-01 第8667次迭代 f(x_8667)=1.840056373628773e-08, x1 =
9.998645828690875e-01, x2 = 9.997283918361640e-01 第8668次迭代 f(x_8668)
=1.837104226159186e-08, x1 = 9.998644823653310e-01, x2 = 9.997287378824105e-01 第8669次
迭代 f(x_8669)=1.834151521781290e-08, x1 = 9.998648052057394e-01, x2 =
9.997288294218052e-01 第8670次迭代 f(x_8670)=1.831220993091010e-08, x1 =
9.998647013106309e-01, x2 = 9.997291664749209e-01 第8671次迭代 f(x_8671)
=1.828291403967137e-08, x1 = 9.998650164368175e-01, x2 = 9.997292614632061e-01 第8672次
迭代 f(x_8672)=1.825357988959253e-08, x1 = 9.998649163176893e-01, x2 =
9.997296063699338e-01 第8673次迭代 f(x_8673)=1.822424290131073e-08, x1 =
9.998652380607835e-01, x2 = 9.997296976479272e-01 第8674次迭代 f(x_8674)
=1.819512413301697e-08, x1 = 9.998651345603128e-01, x2 = 9.997300335907480e-01 第8675次

迭代 $f(x_{8675}) = 1.816601672420806e-08$, $x_1 = 9.998654486166471e-01$, $x_2 = 9.997301283052094e-01$ 第8676次迭代 $f(x_{8676}) = 1.813686873876180e-08$, $x_1 = 9.998653488794885e-01$, $x_2 = 9.997304720767809e-01$ 第8677次迭代 $f(x_{8677}) = 1.810772055810569e-08$, $x_1 = 9.998656695302294e-01$, $x_2 = 9.997305630934884e-01$ 第8678次迭代 $f(x_{8678}) = 1.807878713871016e-08$, $x_1 = 9.998655664217154e-01$, $x_2 = 9.997308979302784e-01$ 第8679次迭代 $f(x_{8679}) = 1.804986697677844e-08$, $x_1 = 9.998658794130173e-01$, $x_2 = 9.997309923710976e-01$ 第8680次迭代 $f(x_{8680}) = 1.802090400287974e-08$, $x_1 = 9.998657800551912e-01$, $x_2 = 9.997313350118551e-01$ 第8681次迭代 $f(x_{8681}) = 1.799194339038761e-08$, $x_1 = 9.998660996185104e-01$, $x_2 = 9.997314257673986e-01$ 第8682次迭代 $f(x_{8682}) = 1.796319415731412e-08$, $x_1 = 9.998659968992940e-01$, $x_2 = 9.997317595024013e-01$ 第8683次迭代 $f(x_{8683}) = 1.793446001506505e-08$, $x_1 = 9.998663088303545e-01$, $x_2 = 9.997318536697665e-01$ 第8684次迭代 $f(x_{8684}) = 1.790568090644850e-08$, $x_1 = 9.998662098492456e-01$, $x_2 = 9.997321951840312e-01$ 第8685次迭代 $f(x_{8685}) = 1.787690663114218e-08$, $x_1 = 9.998665283300456e-01$, $x_2 = 9.997322856785386e-01$ 第8686次迭代 $f(x_{8686}) = 1.784834042886783e-08$, $x_1 = 9.998664259974890e-01$, $x_2 = 9.997326183159780e-01$ 第8687次迭代 $f(x_{8687}) = 1.781979108740254e-08$, $x_1 = 9.998667368730713e-01$, $x_2 = 9.997327122100824e-01$ 第8688次迭代 $f(x_{8688}) = 1.779119470455653e-08$, $x_1 = 9.998666382660856e-01$, $x_2 = 9.997330526021556e-01$ 第8689次迭代 $f(x_{8689}) = 1.776260554373279e-08$, $x_1 = 9.998669556692399e-01$, $x_2 = 9.997331428357611e-01$ 第8690次迭代 $f(x_{8690}) = 1.773422122386806e-08$, $x_1 = 9.998668537207267e-01$, $x_2 = 9.997334743798409e-01$ 第8691次迭代 $f(x_{8691}) = 1.770585547250683e-08$, $x_1 = 9.998671635455660e-01$, $x_2 = 9.997335680008839e-01$ 第8692次迭代 $f(x_{8692}) = 1.767744068274334e-08$, $x_1 = 9.998670653101304e-01$, $x_2 = 9.997339072750465e-01$ 第8693次迭代 $f(x_{8693}) = 1.764903542195505e-08$, $x_1 = 9.998673816404839e-01$, $x_2 = 9.997339972478902e-01$ 第8694次迭代 $f(x_{8694}) = 1.762083184308104e-08$, $x_1 = 9.998672800734194e-01$, $x_2 = 9.997343277027941e-01$ 第8695次迭代 $f(x_{8695}) = 1.759264847934630e-08$, $x_1 = 9.998675888522225e-01$, $x_2 = 9.997344210509805e-01$ 第8696次迭代 $f(x_{8696}) = 1.756441415657968e-08$, $x_1 = 9.998674909857860e-01$, $x_2 = 9.997347592114931e-01$ 第8697次迭代 $f(x_{8697}) = 1.753619158968604e-08$, $x_1 = 9.998678062481545e-01$, $x_2 = 9.997348489237220e-01$ 第8698次迭代 $f(x_{8698}) = 1.750816761734746e-08$, $x_1 = 9.998677050599650e-01$, $x_2 = 9.997351782936138e-01$ 第8699次迭代 $f(x_{8699}) = 1.748016544684348e-08$, $x_1 = 9.998680127974112e-01$, $x_2 = 9.997352713691544e-01$ 第8700次迭代 $f(x_{8700}) = 1.745211047173475e-08$, $x_1 = 9.998679152974433e-01$, $x_2 = 9.997356084202577e-01$ 第8701次迭代 $f(x_{8701}) = 1.742406940069205e-08$, $x_1 = 9.998682294966144e-01$, $x_2 = 9.997356978720240e-01$ 第8702次迭代 $f(x_{8702}) = 1.739622390742775e-08$, $x_1 = 9.998681286847473e-01$, $x_2 = 9.997360261610478e-01$ 第8703次迭代 $f(x_{8703}) = 1.736840174383152e-08$, $x_1 = 9.998684353854883e-01$, $x_2 = 9.997361189641589e-01$ 第8704次迭代 $f(x_{8704}) = 1.734052500365011e-08$, $x_1 = 9.998683382494796e-01$, $x_2 = 9.997364549100733e-01$ 第8705次迭代 $f(x_{8705}) = 1.731266423854091e-08$, $x_1 = 9.998686513902123e-01$, $x_2 = 9.997365441015358e-01$ 第8706次迭代 $f(x_{8706}) = 1.728499610372725e-08$, $x_1 = 9.998685509521361e-01$, $x_2 = 9.997368713138161e-01$ 第8707次迭代 $f(x_{8707}) = 1.725735276870398e-08$, $x_1 = 9.998688566207961e-01$, $x_2 = 9.997369638447197e-01$ 第8708次迭代 $f(x_{8708}) = 1.722965315736664e-08$, $x_1 = 9.998687598462578e-01$, $x_2 = 9.997372986896460e-01$ 第8709次迭代 $f(x_{8709}) = 1.720197151637611e-08$, $x_1 = 9.998690719332834e-01$, $x_2 = 9.997373876209688e-01$ 第8710次迭代 $f(x_{8710}) = 1.717448575094927e-08$, $x_1 = 9.998689707126384e-01$, $x_2 = 9.997377175212554e-01$ 第8711次迭代 $f(x_{8711}) = 1.714693743838317e-08$, $x_1 = 9.998692798879900e-01$, $x_2 = 9.997378075149480e-01$ 第8712次迭代 $f(x_{8712}) = 1.711949913198413e-08$, $x_1 =$

9.998691812254689e-01, x2 = 9.997381356923477e-01 第8713次迭代 f(x_8713)
=1.709208256769880e-08, x1 = 9.998694875251048e-01, x2 = 9.997382267310883e-01 第8714次
迭代 f(x_8714)=1.706469260182033e-08, x1 = 9.998693913855334e-01, x2 =
9.997385532038685e-01 第8715次迭代 f(x_8715)=1.703740624049822e-08, x1 =
9.998696948449449e-01, x2 = 9.997386452705672e-01 第8716次迭代 f(x_8716)
=1.701005390870655e-08, x1 = 9.998695989477193e-01, x2 = 9.997389778456008e-01 第8717次
迭代 f(x_8717)=1.698273000682140e-08, x1 = 9.998699087775290e-01, x2 =
9.997390663391952e-01 第8718次迭代 f(x_8718)=1.695559023848519e-08, x1 =
9.998698084634343e-01, x2 = 9.997393940007963e-01 第8719次迭代 f(x_8719)
=1.692839781890343e-08, x1 = 9.998701154046851e-01, x2 = 9.997394835477221e-01 第8720次
迭代 f(x_8720)=1.690130503357403e-08, x1 = 9.998700176279005e-01, x2 =
9.997398094996786e-01 第8721次迭代 f(x_8721)=1.687424254063040e-08, x1 =
9.998703217162463e-01, x2 = 9.997399000827619e-01 第8722次迭代 f(x_8722)
=1.684719760471664e-08, x1 = 9.998702264418965e-01, x2 = 9.997402243431878e-01 第8723次
迭代 f(x_8723)=1.682026351699582e-08, x1 = 9.998705277125282e-01, x2 =
9.997403159454846e-01 第8724次迭代 f(x_8724)=1.679325422438878e-08, x1 =
9.998704326805683e-01, x2 = 9.997406462683556e-01 第8725次迭代 f(x_8725)
=1.676628334262263e-08, x1 = 9.998707402741207e-01, x2 = 9.997407343237639e-01 第8726次
迭代 f(x_8726)=1.673948530093892e-08, x1 = 9.998706408543114e-01, x2 =
9.997410597642251e-01 第8727次迭代 f(x_8727)=1.671264408345783e-08, x1 =
9.998709455821708e-01, x2 = 9.997411488640351e-01 第8728次迭代 f(x_8728)
=1.668589255074200e-08, x1 = 9.998708486790917e-01, x2 = 9.997414726079593e-01 第8729次
迭代 f(x_8729)=1.665917946590174e-08, x1 = 9.998711505766111e-01, x2 =
9.997415627351430e-01 第8730次迭代 f(x_8730)=1.663247529389147e-08, x1 =
9.998710561556818e-01, x2 = 9.997418848004922e-01 第8731次迭代 f(x_8731)
=1.660588884370643e-08, x1 = 9.998713552577554e-01, x2 = 9.997419759382500e-01 第8732次
迭代 f(x_8732)=1.657921839885298e-08, x1 = 9.998712610792090e-01, x2 =
9.997423040265160e-01 第8733次迭代 f(x_8733)=1.655259588281386e-08, x1 =
9.998715664572098e-01, x2 = 9.997423916433431e-01 第8734次迭代 f(x_8734)
=1.652613534788473e-08, x1 = 9.998714679196171e-01, x2 = 9.997427148800395e-01 第8735次
迭代 f(x_8735)=1.649964070571935e-08, x1 = 9.998717704545458e-01, x2 =
9.997428035324446e-01 第8736次迭代 f(x_8736)=1.647322620793765e-08, x1 =
9.998716744133326e-01, x2 = 9.997431250855786e-01 第8737次迭代 f(x_8737)
=1.644685793156755e-08, x1 = 9.998719741402448e-01, x2 = 9.997432147566785e-01 第8738次
迭代 f(x_8738)=1.642048946723422e-08, x1 = 9.998718783169617e-01, x2 =
9.997435423154187e-01 第8739次迭代 f(x_8739)=1.639408309714109e-08, x1 =
9.998721843557866e-01, x2 = 9.997436284494995e-01 第8740次迭代 f(x_8740)
=1.636790108047842e-08, x1 = 9.998720853197817e-01, x2 = 9.997439475092420e-01 第8741次
迭代 f(x_8741)=1.634170213146190e-08, x1 = 9.998723840472313e-01, x2 =
9.997440369130345e-01 第8742次迭代 f(x_8742)=1.631550140359013e-08, x1 =
9.998722885707786e-01, x2 = 9.997443634028625e-01 第8743次迭代 f(x_8743)
=1.628926464082198e-08, x1 = 9.998725935892223e-01, x2 = 9.997444492813163e-01 第8744次
迭代 f(x_8744)=1.626324951894055e-08, x1 = 9.998724949096398e-01, x2 =
9.997447672997103e-01 第8745次迭代 f(x_8745)=1.623721879051998e-08, x1 =
9.998727926420302e-01, x2 = 9.997448564364517e-01 第8746次迭代 f(x_8746)
=1.621118475608605e-08, x1 = 9.998726975100771e-01, x2 = 9.997451818614008e-01 第8747次
迭代 f(x_8747)=1.618511649062467e-08, x1 = 9.998730015126445e-01, x2 =
9.997452674844293e-01 第8748次迭代 f(x_8748)=1.615926721426056e-08, x1 =
9.998729031871313e-01, x2 = 9.997455844654152e-01 第8749次迭代 f(x_8749)
=1.613340360708217e-08, x1 = 9.998731999288402e-01, x2 = 9.997456733353665e-01 第8750次

迭代 $f(x_{8750}) = 1.610753522940051e-08$, $x_1 = 9.998731051390749e-01$, $x_2 = 9.997459976994506e-01$ 第8751次迭代 $f(x_{8751}) = 1.608163435869634e-08$, $x_1 = 9.998734081302443e-01$, $x_2 = 9.997460830672606e-01$ 第8752次迭代 $f(x_{8752}) = 1.605594988503621e-08$, $x_1 = 9.998733101564666e-01$, $x_2 = 9.997463990147606e-01$ 第8753次迭代 $f(x_{8753}) = 1.603025230710932e-08$, $x_1 = 9.998736059118463e-01$, $x_2 = 9.997464876181876e-01$ 第8754次迭代 $f(x_{8754}) = 1.600454855559830e-08$, $x_1 = 9.998735114619766e-01$, $x_2 = 9.997468109254023e-01$ 第8755次迭代 $f(x_{8755}) = 1.597881398457567e-08$, $x_1 = 9.998738134462001e-01$, $x_2 = 9.997468960382061e-01$ 第8756次迭代 $f(x_{8756}) = 1.595329327719837e-08$, $x_1 = 9.998737158218431e-01$, $x_2 = 9.997472109561237e-01$ 第8757次迭代 $f(x_{8757}) = 1.592776064392807e-08$, $x_1 = 9.998740105952210e-01$, $x_2 = 9.997472992932972e-01$ 第8758次迭代 $f(x_{8758}) = 1.590222049417963e-08$, $x_1 = 9.998739164829723e-01$, $x_2 = 9.997476215476199e-01$ 第8759次迭代 $f(x_{8759}) = 1.587665113511763e-08$, $x_1 = 9.998742174646771e-01$, $x_2 = 9.997477064056343e-01$ 第8760次迭代 $f(x_{8760}) = 1.585129316398209e-08$, $x_1 = 9.998741201874440e-01$, $x_2 = 9.997480202978555e-01$ 第8761次迭代 $f(x_{8761}) = 1.582592439799268e-08$, $x_1 = 9.998744139831227e-01$, $x_2 = 9.997481083690504e-01$ 第8762次迭代 $f(x_{8762}) = 1.580054683175249e-08$, $x_1 = 9.998743202062393e-01$, $x_2 = 9.997484295744400e-01$ 第8763次迭代 $f(x_{8763}) = 1.577514160422224e-08$, $x_1 = 9.998746201898265e-01$, $x_2 = 9.997485141778868e-01$ 第8764次迭代 $f(x_{8764}) = 1.574994534562767e-08$, $x_1 = 9.998745232574396e-01$, $x_2 = 9.997488270482791e-01$ 第8765次迭代 $f(x_{8765}) = 1.572473937684212e-08$, $x_1 = 9.998748160796969e-01$, $x_2 = 9.997489148537752e-01$ 第8766次迭代 $f(x_{8766}) = 1.569952338191404e-08$, $x_1 = 9.998747226359413e-01$, $x_2 = 9.997492350141723e-01$ 第8767次迭代 $f(x_{8767}) = 1.567428121280443e-08$, $x_1 = 9.998750216257871e-01$, $x_2 = 9.997493193632785e-01$ 第8768次迭代 $f(x_{8768}) = 1.564924564930927e-08$, $x_1 = 9.998749250359863e-01$, $x_2 = 9.997496312156919e-01$ 第8769次迭代 $f(x_{8769}) = 1.562420141475135e-08$, $x_1 = 9.998752168890759e-01$, $x_2 = 9.997497187557733e-01$ 第8770次迭代 $f(x_{8770}) = 1.559914598503326e-08$, $x_1 = 9.998751237762284e-01$, $x_2 = 9.997500378751010e-01$ 第8771次迭代 $f(x_{8771}) = 1.557406580841025e-08$, $x_1 = 9.998754217766841e-01$, $x_2 = 9.997501219700978e-01$ 第8772次迭代 $f(x_{8772}) = 1.554918992882893e-08$, $x_1 = 9.998753255272276e-01$, $x_2 = 9.997504328083646e-01$ 第8773次迭代 $f(x_{8773}) = 1.552430637270242e-08$, $x_1 = 9.998756164153783e-01$, $x_2 = 9.997505200833200e-01$ 第8774次迭代 $f(x_{8774}) = 1.549941050806637e-08$, $x_1 = 9.998755236312380e-01$, $x_2 = 9.997508381654825e-01$ 第8775次迭代 $f(x_{8775}) = 1.547449126516832e-08$, $x_1 = 9.998758206466288e-01$, $x_2 = 9.997509220066068e-01$ 第8776次迭代 $f(x_{8776}) = 1.544977406457302e-08$, $x_1 = 9.998757247352935e-01$, $x_2 = 9.997512318345410e-01$ 第8777次迭代 $f(x_{8777}) = 1.542505013815580e-08$, $x_1 = 9.998760146627099e-01$, $x_2 = 9.997513188446634e-01$ 第8778次迭代 $f(x_{8778}) = 1.540031284453435e-08$, $x_1 = 9.998759222050932e-01$, $x_2 = 9.997516358935473e-01$ 第8779次迭代 $f(x_{8779}) = 1.537555348378086e-08$, $x_1 = 9.998762182397207e-01$, $x_2 = 9.997517194810399e-01$ 第8780次迭代 $f(x_{8780}) = 1.535099396338473e-08$, $x_1 = 9.998761226643001e-01$, $x_2 = 9.997520283024388e-01$ 第8781次迭代 $f(x_{8781}) = 1.532642862495772e-08$, $x_1 = 9.998764116351639e-01$, $x_2 = 9.997521150480254e-01$ 第8782次迭代 $f(x_{8782}) = 1.530184891418933e-08$, $x_1 = 9.998763195019044e-01$, $x_2 = 9.997524310675002e-01$ 第8783次迭代 $f(x_{8783}) = 1.527724839095285e-08$, $x_1 = 9.998766145600453e-01$, $x_2 = 9.997525144016066e-01$ 第8784次迭代 $f(x_{8784}) = 1.525284555813185e-08$, $x_1 = 9.998765193183515e-01$, $x_2 = 9.997528222202493e-01$ 第8785次迭代 $f(x_{8785}) = 1.522843777300155e-08$, $x_1 = 9.998768073368193e-01$, $x_2 = 9.997529087016017e-01$ 第8786次迭代 $f(x_{8786}) = 1.520401466288684e-08$, $x_1 = 9.998767155257686e-01$, $x_2 = 9.997532236955184e-01$ 第8787次迭代 $f(x_{8787}) = 1.517957193965982e-08$, $x_1 =$

9.998770096116752e-01, x2 = 9.997533067764889e-01 第8788次迭代 f(x_8788)
=1.515532480789714e-08, x1 = 9.998769147015373e-01, x2 = 9.997536135961377e-01 第8789次
迭代 f(x_8789) =1.513107354825667e-08, x1 = 9.998772017717429e-01, x2 =
9.997536998135614e-01 第8790次迭代 f(x_8790) =1.510680606243485e-08, x1 =
9.998771102807700e-01, x2 = 9.997540137857540e-01 第8791次迭代 f(x_8791)
=1.508252010862381e-08, x1 = 9.998774033986704e-01, x2 = 9.997540966138433e-01 第8792次
迭代 f(x_8792) =1.505842769748540e-08, x1 = 9.998773088179347e-01, x2 =
9.997544024382431e-01 第8793次迭代 f(x_8793) =1.503433194240741e-08, x1 =
9.998775949439883e-01, x2 = 9.997544883920481e-01 第8794次迭代 f(x_8794)
=1.501021911043032e-08, x1 = 9.998775037709792e-01, x2 = 9.997548013463327e-01 第8795次
迭代 f(x_8795) =1.498608890237011e-08, x1 = 9.998777959250771e-01, x2 =
9.997548839217999e-01 第8796次迭代 f(x_8796) =1.496215023745877e-08, x1 =
9.998777016716077e-01, x2 = 9.997551887546782e-01 第8797次迭代 f(x_8797)
=1.493820897287211e-08, x1 = 9.998779868575960e-01, x2 = 9.997552744451783e-01 第8798次
迭代 f(x_8798) =1.491424983009402e-08, x1 = 9.998778960004540e-01, x2 =
9.997555863853538e-01 第8799次迭代 f(x_8799) =1.489027435098324e-08, x1 =
9.998781871949294e-01, x2 = 9.997556687084627e-01 第8800次迭代 f(x_8800)
=1.486648846387481e-08, x1 = 9.998780932666074e-01, x2 = 9.997559725535301e-01 第8801次
迭代 f(x_8801) =1.484270068249890e-08, x1 = 9.998783775165935e-01, x2 =
9.997560579810434e-01 第8802次迭代 f(x_8802) =1.481889427010981e-08, x1 =
9.998782869732388e-01, x2 = 9.997563689108914e-01 第8803次迭代 f(x_8803)
=1.479507251001467e-08, x1 = 9.998785772122480e-01, x2 = 9.997564509819095e-01 第8804次
迭代 f(x_8804) =1.477143843829730e-08, x1 = 9.998784836069708e-01, x2 =
9.997567538428598e-01 第8805次迭代 f(x_8805) =1.474780313956256e-08, x1 =
9.998787669249960e-01, x2 = 9.997568390077078e-01 第8806次迭代 f(x_8806)
=1.472414850450527e-08, x1 = 9.998786766933649e-01, x2 = 9.997571489309930e-01 第8807次
迭代 f(x_8807) =1.470047946016315e-08, x1 = 9.998789659810412e-01, x2 =
9.997572307501924e-01 第8808次迭代 f(x_8808) =1.467699624734426e-08, x1 =
9.998788726967233e-01, x2 = 9.997575326307027e-01 第8809次迭代 f(x_8809)
=1.465351243739687e-08, x1 = 9.998791550868055e-01, x2 = 9.997576175332111e-01 第8810次
迭代 f(x_8810) =1.463000863231848e-08, x1 = 9.998790651648514e-01, x2 =
9.997579264536810e-01 第8811次迭代 f(x_8811) =1.460649130728422e-08, x1 =
9.998793535053040e-01, x2 = 9.997580080213377e-01 第8812次迭代 f(x_8812)
=1.458315800275343e-08, x1 = 9.998792605398764e-01, x2 = 9.997583089250680e-01 第8813次
迭代 f(x_8813) =1.455982469436387e-08, x1 = 9.998795420060107e-01, x2 =
9.997583935655664e-01 第8814次迭代 f(x_8814) =1.453647077765820e-08, x1 =
9.998794523917036e-01, x2 = 9.997587014869512e-01 第8815次迭代 f(x_8815)
=1.451310418213275e-08, x1 = 9.998797397890187e-01, x2 = 9.997587828033458e-01 第8816次
迭代 f(x_8816) =1.448991984113210e-08, x1 = 9.998796471404293e-01, x2 =
9.997590827339395e-01 第8817次迭代 f(x_8817) =1.446673605367068e-08, x1 =
9.998799276865885e-01, x2 = 9.997591671127615e-01 第8818次迭代 f(x_8818)
=1.444353108932921e-08, x1 = 9.998798383779148e-01, x2 = 9.997594740387751e-01 第8819次
迭代 f(x_8819) =1.442031424015320e-08, x1 = 9.998801248361554e-01, x2 =
9.997595551041922e-01 第8820次迭代 f(x_8820) =1.439727792379621e-08, x1 =
9.998800325023680e-01, x2 = 9.997598540652762e-01 第8821次迭代 f(x_8821)
=1.437424268319706e-08, x1 = 9.998803121325024e-01, x2 = 9.997599381827584e-01 第8822次
迭代 f(x_8822) =1.435118574094657e-08, x1 = 9.998802231274644e-01, x2 =
9.997602441170975e-01 第8823次迭代 f(x_8823) =1.432811766152012e-08, x1 =
9.998805086506708e-01, x2 = 9.997603249318254e-01 第8824次迭代 f(x_8824)
=1.430522843669028e-08, x1 = 9.998804166296656e-01, x2 = 9.997606229270102e-01 第8825次

迭代 $f(x_{8825}) = 1.428234077538791e-08$, $x_1 = 9.998806953477035e-01$, $x_2 = 9.997607067834936e-01$ 第8826次迭代 $f(x_{8826}) = 1.425943093049493e-08$, $x_1 = 9.998806066443197e-01$, $x_2 = 9.997610117298384e-01$ 第8827次迭代 $f(x_{8827}) = 1.423651065079016e-08$, $x_1 = 9.998808912365095e-01$, $x_2 = 9.997610922941695e-01$ 第8828次迭代 $f(x_{8828}) = 1.421376759010645e-08$, $x_1 = 9.998807995262827e-01$, $x_2 = 9.997613893270494e-01$ 第8829次迭代 $f(x_{8829}) = 1.419102654697924e-08$, $x_1 = 9.998810773361303e-01$, $x_2 = 9.997614729228782e-01$ 第8830次迭代 $f(x_{8830}) = 1.416826288029198e-08$, $x_1 = 9.998809889324353e-01$, $x_2 = 9.997617768848923e-01$ 第8831次迭代 $f(x_{8831}) = 1.414548943673925e-08$, $x_1 = 9.998812725976030e-01$, $x_2 = 9.997618571991232e-01$ 第8832次迭代 $f(x_{8832}) = 1.412289161860165e-08$, $x_1 = 9.998811811961672e-01$, $x_2 = 9.997621532732756e-01$ 第8833次迭代 $f(x_{8833}) = 1.410029623896980e-08$, $x_1 = 9.998814581017086e-01$, $x_2 = 9.997622366087979e-01$ 第8834次迭代 $f(x_{8834}) = 1.407767783692637e-08$, $x_1 = 9.998813699957525e-01$, $x_2 = 9.997625395901284e-01$ 第8835次迭代 $f(x_{8835}) = 1.405505027240579e-08$, $x_1 = 9.998816527378708e-01$, $x_2 = 9.997626196545593e-01$ 第8836次迭代 $f(x_{8836}) = 1.403259678086473e-08$, $x_1 = 9.998815616432539e-01$, $x_2 = 9.997629147735457e-01$ 第8837次迭代 $f(x_{8837}) = 1.401014611641986e-08$, $x_1 = 9.998818376483515e-01$, $x_2 = 9.997629978491130e-01$ 第8838次迭代 $f(x_{8838}) = 1.398767207092186e-08$, $x_1 = 9.998817498382006e-01$, $x_2 = 9.997632998533905e-01$ 第8839次迭代 $f(x_{8839}) = 1.396518943475157e-08$, $x_1 = 9.998820316612193e-01$, $x_2 = 9.997633796683254e-01$ 第8840次迭代 $f(x_{8840}) = 1.394287935953529e-08$, $x_1 = 9.998819408714651e-01$, $x_2 = 9.997636738356916e-01$ 第8841次迭代 $f(x_{8841}) = 1.392057246826582e-08$, $x_1 = 9.998822159799602e-01$, $x_2 = 9.997637566516587e-01$ 第8842次迭代 $f(x_{8842}) = 1.389824187677351e-08$, $x_1 = 9.998821284636953e-01$, $x_2 = 9.997640576824977e-01$ 第8843次迭代 $f(x_{8843}) = 1.387590322461634e-08$, $x_1 = 9.998824093715430e-01$, $x_2 = 9.997641372482440e-01$ 第8844次迭代 $f(x_{8844}) = 1.385373566108096e-08$, $x_1 = 9.998823188847101e-01$, $x_2 = 9.997644304675198e-01$ 第8845次迭代 $f(x_{8845}) = 1.383157160726548e-08$, $x_1 = 9.998825931004228e-01$, $x_2 = 9.997645130242447e-01$ 第8846次迭代 $f(x_{8846}) = 1.380938357260283e-08$, $x_1 = 9.998825058761406e-01$, $x_2 = 9.997648130852437e-01$ 第8847次迭代 $f(x_{8847}) = 1.378718796640435e-08$, $x_1 = 9.998827858727237e-01$, $x_2 = 9.997648924021129e-01$ 第8848次迭代 $f(x_{8848}) = 1.376516201548963e-08$, $x_1 = 9.998826956868866e-01$, $x_2 = 9.997651846768121e-01$ 第8849次迭代 $f(x_{8849}) = 1.374313986963566e-08$, $x_1 = 9.998829690136154e-01$, $x_2 = 9.997652669746565e-01$ 第8850次迭代 $f(x_{8850}) = 1.372109350011889e-08$, $x_1 = 9.998828820794275e-01$, $x_2 = 9.997655660693977e-01$ 第8851次迭代 $f(x_{8851}) = 1.369904000810345e-08$, $x_1 = 9.998831611686310e-01$, $x_2 = 9.997656451377047e-01$ 第8852次迭代 $f(x_{8852}) = 1.367715477629140e-08$, $x_1 = 9.998830712818790e-01$, $x_2 = 9.997659364713254e-01$ 第8853次迭代 $f(x_{8853}) = 1.365527361512680e-08$, $x_1 = 9.998833437234015e-01$, $x_2 = 9.997660185106539e-01$ 第8854次迭代 $f(x_{8854}) = 1.363336802440525e-08$, $x_1 = 9.998832570774352e-01$, $x_2 = 9.997663166427035e-01$ 第8855次迭代 $f(x_{8855}) = 1.361145572103086e-08$, $x_1 = 9.998835352631210e-01$, $x_2 = 9.997663954627670e-01$ 第8856次迭代 $f(x_{8856}) = 1.358971032037331e-08$, $x_1 = 9.998834456735597e-01$, $x_2 = 9.997666858587910e-01$ 第8857次迭代 $f(x_{8857}) = 1.356796922676813e-08$, $x_1 = 9.998837172336317e-01$, $x_2 = 9.997667676399722e-01$ 第8858次迭代 $f(x_{8858}) = 1.354620353390752e-08$, $x_1 = 9.998836308740293e-01$, $x_2 = 9.997670648128802e-01$ 第8859次迭代 $f(x_{8859}) = 1.352443149980289e-08$, $x_1 = 9.998839081600389e-01$, $x_2 = 9.997671433850225e-01$ 第8860次迭代 $f(x_{8860}) = 1.350282504782075e-08$, $x_1 = 9.998838188657880e-01$, $x_2 = 9.997674328469165e-01$ 第8861次迭代 $f(x_{8861}) = 1.348122311075734e-08$, $x_1 = 9.998840895481454e-01$, $x_2 = 9.997675143703214e-01$ 第8862次迭代 $f(x_{8862}) = 1.345959644014411e-08$, $x_1 =$

9.998840034730635e-01, x2 = 9.997678105876227e-01 第8863次迭代 f(x_8863)
=1.343796376210170e-08, x1 = 9.998842798632174e-01, x2 = 9.997678889121689e-01 第8864次
迭代 f(x_8864)=1.341649538175257e-08, x1 = 9.998841908624112e-01, x2 =
9.997681774433843e-01 第8865次迭代 f(x_8865)=1.339503169625769e-08, x1 =
9.998844606707692e-01, x2 = 9.997682587093875e-01 第8866次迭代 f(x_8866)
=1.337354317758201e-08, x1 = 9.998843748783791e-01, x2 = 9.997685539746005e-01 第8867次
迭代 f(x_8867)=1.335204894844831e-08, x1 = 9.998846503764761e-01, x2 =
9.997686320518798e-01 第8868次迭代 f(x_8868)=1.333071776815714e-08, x1 =
9.998845616672641e-01, x2 = 9.997689196558521e-01 第8869次迭代 f(x_8869)
=1.330939143527590e-08, x1 = 9.998848306053170e-01, x2 = 9.997690006648311e-01 第8870次
迭代 f(x_8870)=1.328804020346183e-08, x1 = 9.998847450938055e-01, x2 =
9.997692949814589e-01 第8871次迭代 f(x_8871)=1.326668352217324e-08, x1 =
9.998850197036230e-01, x2 = 9.997693728118040e-01 第8872次迭代 f(x_8872)
=1.324548867573451e-08, x1 = 9.998849312841697e-01, x2 = 9.997696594919535e-01 第8873次
迭代 f(x_8873)=1.322429880254919e-08, x1 = 9.998851993555915e-01, x2 =
9.997697402442890e-01 第8874次迭代 f(x_8874)=1.320308399780368e-08, x1 =
9.998851141231589e-01, x2 = 9.997700336158194e-01 第8875次迭代 f(x_8875)
=1.318186396925844e-08, x1 = 9.998853878484542e-01, x2 = 9.997701111995657e-01 第8876次
迭代 f(x_8876)=1.316080459586200e-08, x1 = 9.998852997169377e-01, x2 =
9.997703969592975e-01 第8877次迭代 f(x_8877)=1.313975029535423e-08, x1 =
9.998855669253824e-01, x2 = 9.997704774553730e-01 第8878次迭代 f(x_8878)
=1.311867106312056e-08, x1 = 9.998854819702436e-01, x2 = 9.997707698852779e-01 第8879次
迭代 f(x_8879)=1.309758679822517e-08, x1 = 9.998857548147529e-01, x2 =
9.997708472227642e-01 第8880次迭代 f(x_8880)=1.307666204238130e-08, x1 =
9.998856669693661e-01, x2 = 9.997711320654683e-01 第8881次迭代 f(x_8881)
=1.305574243341746e-08, x1 = 9.998859333184679e-01, x2 = 9.997712123056703e-01 第8882次
迭代 f(x_8882)=1.303479792426768e-08, x1 = 9.998858486388519e-01, x2 =
9.997715037974068e-01 第8883次迭代 f(x_8883)=1.301384853984880e-08, x1 =
9.998861206062912e-01, x2 = 9.997715808889751e-01 第8884次迭代 f(x_8884)
=1.299305755137797e-08, x1 = 9.998860330452406e-01, x2 = 9.997718648180265e-01 第8885次
迭代 f(x_8885)=1.297227175870135e-08, x1 = 9.998862985386134e-01, x2 =
9.997719448027442e-01 第8886次迭代 f(x_8886)=1.295146112842375e-08, x1 =
9.998862141327634e-01, x2 = 9.997722353597536e-01 第8887次迭代 f(x_8887)
=1.293064574717490e-08, x1 = 9.998864852268280e-01, x2 = 9.997723122057492e-01 第8888次
迭代 f(x_8888)=1.290998768111805e-08, x1 = 9.998863979483350e-01, x2 =
9.997725952245079e-01 第8889次迭代 f(x_8889)=1.288933483529255e-08, x1 =
9.998866625895729e-01, x2 = 9.997726749541338e-01 第8890次迭代 f(x_8890)
=1.286865724472916e-08, x1 = 9.998865784557462e-01, x2 = 9.997729645798422e-01 第8891次
迭代 f(x_8891)=1.284797499520219e-08, x1 = 9.998868486801107e-01, x2 =
9.997730411806138e-01 第8892次迭代 f(x_8892)=1.282744901189250e-08, x1 =
9.998867616824109e-01, x2 = 9.997733232924243e-01 第8893次迭代 f(x_8893)
=1.280692824924593e-08, x1 = 9.998870254750880e-01, x2 = 9.997734027673537e-01 第8894次
迭代 f(x_8894)=1.278638286437712e-08, x1 = 9.998869416115561e-01, x2 =
9.997736914651724e-01 第8895次迭代 f(x_8895)=1.276583288094991e-08, x1 =
9.998872109698750e-01, x2 = 9.997737678210714e-01 第8896次迭代 f(x_8896)
=1.274543814585996e-08, x1 = 9.998871242512176e-01, x2 = 9.997740490292639e-01 第8897次
迭代 f(x_8897)=1.272504860850097e-08, x1 = 9.998873871988884e-01, x2 =
9.997741282498948e-01 第8898次迭代 f(x_8898)=1.270463460037532e-08, x1 =
9.998873036039365e-01, x2 = 9.997744160232194e-01 第8899次迭代 f(x_8899)
=1.268421602315418e-08, x1 = 9.998875720998442e-01, x2 = 9.997744921346007e-01 第8900次

迭代 $f(x_{8900}) = 1.266395170699369e-08$, $x_1 = 9.998874856584924e-01$, $x_2 = 9.997747724424905e-01$ 第8901次迭代 $f(x_{8901}) = 1.264369254267946e-08$, $x_1 = 9.998877477646921e-01$, $x_2 = 9.997748514092236e-01$ 第8902次迭代 $f(x_{8902}) = 1.262340908738583e-08$, $x_1 = 9.998876644366189e-01$, $x_2 = 9.997751382614354e-01$ 第8903次迭代 $f(x_{8903}) = 1.260312106220958e-08$, $x_1 = 9.998879320737302e-01$, $x_2 = 9.997752141286564e-01$ 第8904次迭代 $f(x_{8904}) = 1.258298634081606e-08$, $x_1 = 9.998878459079605e-01$, $x_2 = 9.997754935395440e-01$ 第8905次迭代 $f(x_{8905}) = 1.256285670300709e-08$, $x_1 = 9.998881071762054e-01$, $x_2 = 9.997755722527827e-01$ 第8906次迭代 $f(x_{8906}) = 1.254270298162881e-08$, $x_1 = 9.998880241133228e-01$, $x_2 = 9.997758581872479e-01$ 第8907次迭代 $f(x_{8907}) = 1.252254466004906e-08$, $x_1 = 9.998882908952327e-01$, $x_2 = 9.997759338106691e-01$ 第8908次迭代 $f(x_{8908}) = 1.250253871440140e-08$, $x_1 = 9.998882050033349e-01$, $x_2 = 9.997762123278408e-01$ 第8909次迭代 $f(x_{8909}) = 1.248253776211511e-08$, $x_1 = 9.998884654371221e-01$, $x_2 = 9.997762907879908e-01$ 第8910次迭代 $f(x_{8910}) = 1.246251296073044e-08$, $x_1 = 9.998883826377556e-01$, $x_2 = 9.997765758080610e-01$ 第8911次迭代 $f(x_{8911}) = 1.244248349989830e-08$, $x_1 = 9.998886485680396e-01$, $x_2 = 9.997766511880457e-01$ 第8912次迭代 $f(x_{8912}) = 1.242260551603110e-08$, $x_1 = 9.998885629483171e-01$, $x_2 = 9.997769288147731e-01$ 第8913次迭代 $f(x_{8913}) = 1.240273241391441e-08$, $x_1 = 9.998888225511248e-01$, $x_2 = 9.997770070222430e-01$ 第8914次迭代 $f(x_{8914}) = 1.238283572360798e-08$, $x_1 = 9.998887400136126e-01$, $x_2 = 9.997772911312551e-01$ 第8915次迭代 $f(x_{8915}) = 1.236293428630222e-08$, $x_1 = 9.998890050958272e-01$, $x_2 = 9.997773662681692e-01$ 第8916次迭代 $f(x_{8916}) = 1.234318345528146e-08$, $x_1 = 9.998889197465963e-01$, $x_2 = 9.997776430077099e-01$ 第8917次迭代 $f(x_{8917}) = 1.232343737349853e-08$, $x_1 = 9.998891785218841e-01$, $x_2 = 9.997777209629106e-01$ 第8918次迭代 $f(x_{8918}) = 1.230366799017764e-08$, $x_1 = 9.998890962445781e-01$, $x_2 = 9.997780041641871e-01$ 第8919次迭代 $f(x_{8919}) = 1.228389374471659e-08$, $x_1 = 9.998893604822598e-01$, $x_2 = 9.997780790583995e-01$ 第8920次迭代 $f(x_{8920}) = 1.226426926264304e-08$, $x_1 = 9.998892754018508e-01$, $x_2 = 9.997783549139964e-01$ 第8921次迭代 $f(x_{8921}) = 1.224464937688282e-08$, $x_1 = 9.998895333530586e-01$, $x_2 = 9.997784326173417e-01$ 第8922次迭代 $f(x_{8922}) = 1.222500650141772e-08$, $x_1 = 9.998894513343241e-01$, $x_2 = 9.997787149141899e-01$ 第8923次迭代 $f(x_{8923}) = 1.220535862167832e-08$, $x_1 = 9.998897147309899e-01$, $x_2 = 9.997787895660726e-01$ 第8924次迭代 $f(x_{8924}) = 1.218585968971635e-08$, $x_1 = 9.998896299177458e-01$, $x_2 = 9.997790645409538e-01$ 第8925次迭代 $f(x_{8925}) = 1.216636518113550e-08$, $x_1 = 9.998898870482954e-01$, $x_2 = 9.997791419928597e-01$ 第8926次迭代 $f(x_{8926}) = 1.214684801926359e-08$, $x_1 = 9.998898052865101e-01$, $x_2 = 9.997794233885730e-01$ 第8927次迭代 $f(x_{8927}) = 1.212732568459332e-08$, $x_1 = 9.998900678456586e-01$, $x_2 = 9.997794977985004e-01$ 第8928次迭代 $f(x_{8928}) = 1.210795150872766e-08$, $x_1 = 9.998899832979355e-01$, $x_2 = 9.997797718958807e-01$ 第8929次迭代 $f(x_{8929}) = 1.208858156389957e-08$, $x_1 = 9.998902396112302e-01$, $x_2 = 9.997798490967659e-01$ 第8930次迭代 $f(x_{8930}) = 1.206918932617022e-08$, $x_1 = 9.998901581047850e-01$, $x_2 = 9.997801295946230e-01$ 第8931次迭代 $f(x_{8931}) = 1.204979172139810e-08$, $x_1 = 9.998904198298952e-01$, $x_2 = 9.997802037629722e-01$ 第8932次迭代 $f(x_{8932}) = 1.203054151269128e-08$, $x_1 = 9.998903355460620e-01$, $x_2 = 9.997804769860519e-01$ 第8933次迭代 $f(x_{8933}) = 1.201129532358091e-08$, $x_1 = 9.998905910454867e-01$, $x_2 = 9.997805539363370e-01$ 第8934次迭代 $f(x_{8934}) = 1.199202722539345e-08$, $x_1 = 9.998905097927849e-01$, $x_2 = 9.997808335396027e-01$ 第8935次迭代 $f(x_{8935}) = 1.197275354073158e-08$, $x_1 = 9.998907706873178e-01$, $x_2 = 9.997809074667533e-01$ 第8936次迭代 $f(x_{8936}) = 1.195362651508773e-08$, $x_1 = 9.998906866657555e-01$, $x_2 = 9.997811798187189e-01$ 第8937次迭代 $f(x_{8937}) = 1.193450327899832e-08$, $x_1 =$

9.998909413546773e-01, x2 = 9.997812565188271e-01 第8938次迭代 f(x_8938)
=1.191535854050589e-08, x1 = 9.998908603541350e-01, x2 = 9.997815352307516e-01 第8939次
迭代 f(x_8939)=1.189620797156505e-08, x1 = 9.998911204215319e-01, x2 =
9.997816089170860e-01 第8940次迭代 f(x_8940)=1.187720334971290e-08, x1 =
9.998910366606356e-01, x2 = 9.997818804011099e-01 第8941次迭代 f(x_8941)
=1.185820226931358e-08, x1 = 9.998912905424023e-01, x2 = 9.997819568514670e-01 第8942次
迭代 f(x_8942)=1.183918011544108e-08, x1 = 9.998912097924485e-01, x2 =
9.997822346752866e-01 第8943次迭代 f(x_8943)=1.182015186314154e-08, x1 =
9.998914690361329e-01, x2 = 9.997823081211897e-01 第8944次迭代 f(x_8944)
=1.180126887074320e-08, x1 = 9.998913855343089e-01, x2 = 9.997825787404305e-01 第8945次
迭代 f(x_8945)=1.178238915390813e-08, x1 = 9.998916386122515e-01, x2 =
9.997826549414641e-01 第8946次迭代 f(x_8946)=1.176348881434038e-08, x1 =
9.998915581113270e-01, x2 = 9.997829318804009e-01 第8947次迭代 f(x_8947)
=1.174458208493593e-08, x1 = 9.998918165347036e-01, x2 = 9.997830050862601e-01 第8948次
迭代 f(x_8948)=1.172581995242929e-08, x1 = 9.998917332903712e-01, x2 =
9.997832748438624e-01 第8949次迭代 f(x_8949)=1.170706081236124e-08, x1 =
9.998919855678023e-01, x2 = 9.997833507960026e-01 第8950次迭代 f(x_8950)
=1.168828152144892e-08, x1 = 9.998919053143603e-01, x2 = 9.997836268532648e-01 第8951次
迭代 f(x_8951)=1.166949552645788e-08, x1 = 9.998921629208160e-01, x2 =
9.997836998194697e-01 第8952次迭代 f(x_8952)=1.165085348905803e-08, x1 =
9.998920799324063e-01, x2 = 9.997839687185650e-01 第8953次迭代 f(x_8953)
=1.163221414410854e-08, x1 = 9.998923314126213e-01, x2 = 9.997840444222437e-01 第8954次
迭代 f(x_8954)=1.161355514091175e-08, x1 = 9.998922514051269e-01, x2 =
9.997843196010260e-01 第8955次迭代 f(x_8955)=1.159488909704449e-08, x1 =
9.998925081980301e-01, x2 = 9.997843923279686e-01 第8956次迭代 f(x_8956)
=1.157636639474999e-08, x1 = 9.998924254639867e-01, x2 = 9.997846603716745e-01 第8957次
迭代 f(x_8957)=1.155784606844882e-08, x1 = 9.998926761502631e-01, x2 =
9.997847358273259e-01 第8958次迭代 f(x_8958)=1.153930659666109e-08, x1 =
9.998925963871941e-01, x2 = 9.997850101308086e-01 第8959次迭代 f(x_8959)
=1.152075972584921e-08, x1 = 9.998928523698947e-01, x2 = 9.997850826188837e-01 第8960次
迭代 f(x_8960)=1.150235560335861e-08, x1 = 9.998927698886739e-01, x2 =
9.997853498103038e-01 第8961次迭代 f(x_8961)=1.148395352440310e-08, x1 =
9.998930197842709e-01, x2 = 9.997854250183646e-01 第8962次迭代 f(x_8962)
=1.146553283232840e-08, x1 = 9.998929402641173e-01, x2 = 9.997856984497142e-01 第8963次
迭代 f(x_8963)=1.144710436166431e-08, x1 = 9.998931954399474e-01, x2 =
9.997857706993190e-01 第8964次迭代 f(x_8964)=1.142881806841098e-08, x1 =
9.998931132100173e-01, x2 = 9.997860370415436e-01 第8965次迭代 f(x_8965)
=1.141053347059262e-08, x1 = 9.998933623181774e-01, x2 = 9.997861120024525e-01 第8966次
迭代 f(x_8966)=1.139223081116700e-08, x1 = 9.998932830394404e-01, x2 =
9.997863845648223e-01 第8967次迭代 f(x_8967)=1.137391997286434e-08, x1 =
9.998935374117148e-01, x2 = 9.997864565763556e-01 第8968次迭代 f(x_8968)
=1.135575076289615e-08, x1 = 9.998934554315548e-01, x2 = 9.997867220724622e-01 第8969次
迭代 f(x_8969)=1.133758288503937e-08, x1 = 9.998937037555033e-01, x2 =
9.997867967866596e-01 第8970次迭代 f(x_8970)=1.131939751573307e-08, x1 =
9.998936247166964e-01, x2 = 9.997870684831890e-01 第8971次迭代 f(x_8971)
=1.130120354708200e-08, x1 = 9.998938782887116e-01, x2 = 9.997871402570525e-01 第8972次
迭代 f(x_8972)=1.128315067917672e-08, x1 = 9.998937965568135e-01, x2 =
9.997874049101045e-01 第8973次迭代 f(x_8973)=1.126509876517236e-08, x1 =
9.998940440997582e-01, x2 = 9.997874793780330e-01 第8974次迭代 f(x_8974)
=1.124702994802033e-08, x1 = 9.998939652994064e-01, x2 = 9.997877502118480e-01 第8975次

迭代 $f(x_{8975}) = 1.122895209139445e-08$, $x_1 = 9.998942180744417e-01$, $x_2 = 9.997878217484453e-01$ 第8976次迭代 $f(x_{8976}) = 1.121101482886496e-08$, $x_1 = 9.998941365893088e-01$, $x_2 = 9.997880855614933e-01$ 第8977次迭代 $f(x_{8977}) = 1.119307812759717e-08$, $x_1 = 9.998943833544407e-01$, $x_2 = 9.997881597835974e-01$ 第8978次迭代 $f(x_{8978}) = 1.117512512917074e-08$, $x_1 = 9.998943047910804e-01$, $x_2 = 9.997884297578103e-01$ 第8979次迭代 $f(x_{8979}) = 1.115716263191387e-08$, $x_1 = 9.998945567723974e-01$, $x_2 = 9.997885010575475e-01$ 第8980次迭代 $f(x_{8980}) = 1.113934024272779e-08$, $x_1 = 9.998944755325446e-01$, $x_2 = 9.997887640336287e-01$ 第8981次迭代 $f(x_{8981}) = 1.112151800803535e-08$, $x_1 = 9.998947215230378e-01$, $x_2 = 9.997888380103547e-01$ 第8982次迭代 $f(x_{8982}) = 1.110368009934518e-08$, $x_1 = 9.998946431952173e-01$, $x_2 = 9.997891071280650e-01$ 第8983次迭代 $f(x_{8983}) = 1.108583221379879e-08$, $x_1 = 9.998948943860604e-01$, $x_2 = 9.997891781913499e-01$ 第8984次迭代 $f(x_{8984}) = 1.106812397044003e-08$, $x_1 = 9.998948133900142e-01$, $x_2 = 9.997894403334887e-01$ 第8985次迭代 $f(x_{8985}) = 1.105041546109291e-08$, $x_1 = 9.998950586090257e-01$, $x_2 = 9.997895140652849e-01$ 第8986次迭代 $f(x_{8986}) = 1.103269191767321e-08$, $x_1 = 9.998949805153045e-01$, $x_2 = 9.997897823295782e-01$ 第8987次迭代 $f(x_{8987}) = 1.101495790115306e-08$, $x_1 = 9.998952309189006e-01$, $x_2 = 9.997898531568211e-01$ 第8988次迭代 $f(x_{8988}) = 1.099736308066829e-08$, $x_1 = 9.998951501651989e-01$, $x_2 = 9.997901144680285e-01$ 第8989次迭代 $f(x_{8989}) = 1.097976756033406e-08$, $x_1 = 9.998953946158694e-01$, $x_2 = 9.997901879553451e-01$ 第8990次迭代 $f(x_{8990}) = 1.096215766212660e-08$, $x_1 = 9.998953167548180e-01$, $x_2 = 9.997904553692941e-01$ 第8991次迭代 $f(x_{8991}) = 1.094453677683496e-08$, $x_1 = 9.998955663743774e-01$, $x_2 = 9.997905259609071e-01$ 第8992次迭代 $f(x_{8992}) = 1.092705466075702e-08$, $x_1 = 9.998954858615694e-01$, $x_2 = 9.997907864441812e-01$ 第8993次迭代 $f(x_{8993}) = 1.090957139797268e-08$, $x_1 = 9.998957295470227e-01$, $x_2 = 9.997908596874703e-01$ 第8994次迭代 $f(x_{8994}) = 1.089207442933358e-08$, $x_1 = 9.998956519172233e-01$, $x_2 = 9.997911262541345e-01$ 第8995次迭代 $f(x_{8995}) = 1.087456594236899e-08$, $x_1 = 9.998959007559387e-01$, $x_2 = 9.997911966105318e-01$ 第8996次迭代 $f(x_{8996}) = 1.085719581671701e-08$, $x_1 = 9.998958204825850e-01$, $x_2 = 9.997914562688579e-01$ 第8997次迭代 $f(x_{8997}) = 1.083982408483648e-08$, $x_1 = 9.998960634059283e-01$, $x_2 = 9.997915292685733e-01$ 第8998次迭代 $f(x_{8998}) = 1.082243933453523e-08$, $x_1 = 9.998959860059741e-01$, $x_2 = 9.997917949909989e-01$ 第8999次迭代 $f(x_{8999}) = 1.080504251783384e-08$, $x_1 = 9.998962340670217e-01$, $x_2 = 9.997918651125970e-01$ 第9000次迭代 $f(x_{9000}) = 1.078778367306394e-08$, $x_1 = 9.998961540316939e-01$, $x_2 = 9.997921239489475e-01$ 第9001次迭代 $f(x_{9001}) = 1.077052275024171e-08$, $x_1 = 9.998963961960181e-01$, $x_2 = 9.997921967055446e-01$ 第9002次迭代 $f(x_{9002}) = 1.075324951139534e-08$, $x_1 = 9.998963190245134e-01$, $x_2 = 9.997924615867649e-01$ 第9003次迭代 $f(x_{9003}) = 1.073596364174148e-08$, $x_1 = 9.998965663110523e-01$, $x_2 = 9.997925314739818e-01$ 第9004次迭代 $f(x_{9004}) = 1.071881537274914e-08$, $x_1 = 9.998964865123330e-01$, $x_2 = 9.997927894913166e-01$ 第9005次迭代 $f(x_{9005}) = 1.070166454190342e-08$, $x_1 = 9.998967279207132e-01$, $x_2 = 9.997928620052527e-01$ 第9006次迭代 $f(x_{9006}) = 1.068450211196576e-08$, $x_1 = 9.998966509762728e-01$, $x_2 = 9.997931260482883e-01$ 第9007次迭代 $f(x_{9007}) = 1.066732647085361e-08$, $x_1 = 9.998968974914458e-01$, $x_2 = 9.997931957015442e-01$ 第9008次迭代 $f(x_{9008}) = 1.065028807695831e-08$, $x_1 = 9.998968179279286e-01$, $x_2 = 9.997934529028101e-01$ 第9009次迭代 $f(x_{9009}) = 1.063324662575551e-08$, $x_1 = 9.998970585834233e-01$, $x_2 = 9.997935251745441e-01$ 第9010次迭代 $f(x_{9010}) = 1.061619430649827e-08$, $x_1 = 9.998969818646730e-01$, $x_2 = 9.997937883824025e-01$ 第9011次迭代 $f(x_{9011}) = 1.059912818022725e-08$, $x_1 = 9.998972276116063e-01$, $x_2 = 9.997938578021194e-01$ 第9012次迭代 $f(x_{9012}) = 1.058219896510384e-08$, $x_1 =$

9.998971482818955e-01, x2 = 9.997941141902508e-01 第9013次迭代 f(x_9013)
=1.056526618587618e-08, x1 = 9.998973881875473e-01, x2 = 9.997941862202432e-01 第9014次
迭代 f(x_9014)=1.054832328333336e-08, x1 = 9.998973116931240e-01, x2 =
9.997944485959191e-01 第9015次迭代 f(x_9015)=1.053136596290847e-08, x1 =
9.998975566749271e-01, x2 = 9.997945177825209e-01 第9016次迭代 f(x_9016)
=1.051454523455261e-08, x1 = 9.998974775776380e-01, x2 = 9.997947733604398e-01 第9017次
迭代 f(x_9017)=1.049772042431848e-08, x1 = 9.998977167364735e-01, x2 =
9.997948451491528e-01 第9018次迭代 f(x_9018)=1.048088624882117e-08, x1 =
9.998976404650245e-01, x2 = 9.997951066956283e-01 第9019次迭代 f(x_9019)
=1.046403702993032e-08, x1 = 9.998978846847906e-01, x2 = 9.997951756495407e-01 第9020次
迭代 f(x_9020)=1.044732410066232e-08, x1 = 9.998978058185494e-01, x2 =
9.997954304201563e-01 第9021次迭代 f(x_9021)=1.043060656107405e-08, x1 =
9.998980442335791e-01, x2 = 9.997955019680538e-01 第9022次迭代 f(x_9022)
=1.041388042717980e-08, x1 = 9.998979681837624e-01, x2 = 9.997957626882981e-01 第9023次
迭代 f(x_9023)=1.039713861014917e-08, x1 = 9.998982116445685e-01, x2 =
9.997958314099487e-01 第9024次迭代 f(x_9024)=1.038053279659658e-08, x1 =
9.998981330080118e-01, x2 = 9.997960853761578e-01 第9025次迭代 f(x_9025)
=1.036392183391500e-08, x1 = 9.998983706822306e-01, x2 = 9.997961566837053e-01 第9026次
迭代 f(x_9026)=1.034730306040696e-08, x1 = 9.998982948527146e-01, x2 =
9.997964165806749e-01 第9027次迭代 f(x_9027)=1.033066795022807e-08, x1 =
9.998985375576216e-01, x2 = 9.997964850704928e-01 第9028次迭代 f(x_9028)
=1.031416857329846e-08, x1 = 9.998984591493961e-01, x2 = 9.997967382351802e-01 第9029次
迭代 f(x_9029)=1.029766349833552e-08, x1 = 9.998986960857839e-01, x2 =
9.997968093028442e-01 第9030次迭代 f(x_9030)=1.028115140815427e-08, x1 =
9.998986204752472e-01, x2 = 9.997970683794836e-01 第9031次迭代 f(x_9031)
=1.026462231432470e-08, x1 = 9.998988624272999e-01, x2 = 9.997971366378999e-01 第9032次
迭代 f(x_9032)=1.024822869913157e-08, x1 = 9.998987842460637e-01, x2 =
9.997973890039378e-01 第9033次迭代 f(x_9033)=1.023182882727652e-08, x1 =
9.998990204475837e-01, x2 = 9.997974598321869e-01 第9034次迭代 f(x_9034)
=1.021542274757260e-08, x1 = 9.998989450547155e-01, x2 = 9.997977180914277e-01 第9035次
迭代 f(x_9035)=1.019899898423239e-08, x1 = 9.998991862569434e-01, x2 =
9.997977861188750e-01 第9036次迭代 f(x_9036)=1.018271046011457e-08, x1 =
9.998991083013635e-01, x2 = 9.997980376891238e-01 第9037次迭代 f(x_9037)
=1.016641511120907e-08, x1 = 9.998993437709647e-01, x2 = 9.997981082784277e-01 第9038次
迭代 f(x_9038)=1.015011437325176e-08, x1 = 9.998992685944641e-01, x2 =
9.997983657231893e-01 第9039次迭代 f(x_9039)=1.013379525901528e-08, x1 =
9.998995090498801e-01, x2 = 9.997984335201018e-01 第9040次迭代 f(x_9040)
=1.011761115954828e-08, x1 = 9.998994313186347e-01, x2 = 9.997986842974093e-01 第9041次
迭代 f(x_9041)=1.010141965796855e-08, x1 = 9.998996660592504e-01, x2 =
9.997987546482389e-01 第9042次迭代 f(x_9042)=1.008522359711785e-08, x1 =
9.998995910978266e-01, x2 = 9.997990112814283e-01 第9043次迭代 f(x_9043)
=1.006900845508686e-08, x1 = 9.998998308094285e-01, x2 = 9.997990788482422e-01 第9044次
迭代 f(x_9044)=1.005292811792661e-08, x1 = 9.998997533012060e-01, x2 =
9.997993288354442e-01 第9045次迭代 f(x_9045)=1.003683979246968e-08, x1 =
9.998999873157535e-01, x2 = 9.997993989482726e-01 第9046次迭代 f(x_9046)
=1.002074774818712e-08, x1 = 9.998999125681266e-01, x2 = 9.997996547727844e-01 第9047次
迭代 f(x_9047)=1.000463590597443e-08, x1 = 9.999001515388957e-01, x2 =
9.997997221099373e-01 第9048次迭代 f(x_9048)=9.988658672986574e-09, x1 =
9.999000742523946e-01, x2 = 9.997999713098575e-01 第9049次迭代 f(x_9049)
=9.972672856893364e-09, x1 = 9.999003075437766e-01, x2 = 9.998000411851586e-01 第9050次

迭代 $f(x_{9050}) = 9.956684172707162e-09$, $x_1 = 9.999002330086761e-01$, $x_2 = 9.998002962038753e-01$ 第9051次迭代 $f(x_{9051}) = 9.940674962358097e-09$, $x_1 = 9.999004712415788e-01$, $x_2 = 9.998003633118062e-01$ 第9052次迭代 $f(x_{9052}) = 9.924800179504208e-09$, $x_1 = 9.999003941755072e-01$, $x_2 = 9.998006117272565e-01$ 第9053次迭代 $f(x_{9053}) = 9.908916210370485e-09$, $x_1 = 9.999006267466116e-01$, $x_2 = 9.998006813655057e-01$ 第9054次迭代 $f(x_{9054}) = 9.893030233884391e-09$, $x_1 = 9.999005524227768e-01$, $x_2 = 9.998009355812977e-01$ 第9055次迭代 $f(x_{9055}) = 9.877122991790184e-09$, $x_1 = 9.999007899207640e-01$, $x_2 = 9.998010024604475e-01$ 第9056次迭代 $f(x_{9056}) = 9.861350009097192e-09$, $x_1 = 9.999007130738404e-01$, $x_2 = 9.998012500942279e-01$ 第9057次迭代 $f(x_{9057}) = 9.845567228910194e-09$, $x_1 = 9.999009449275399e-01$, $x_2 = 9.998013194959018e-01$ 第9058次迭代 $f(x_{9058}) = 9.829783311737006e-09$, $x_1 = 9.999008708137196e-01$, $x_2 = 9.998015729116274e-01$ 第9059次迭代 $f(x_{9059}) = 9.813977378718882e-09$, $x_1 = 9.999011075797275e-01$, $x_2 = 9.998016395624378e-01$ 第9060次迭代 $f(x_{9060}) = 9.798305550305883e-09$, $x_1 = 9.999010309506794e-01$, $x_2 = 9.998018864173368e-01$ 第9061次迭代 $f(x_{9061}) = 9.782623305352325e-09$, $x_1 = 9.999012620898324e-01$, $x_2 = 9.998019555829131e-01$ 第9062次迭代 $f(x_{9062}) = 9.766940803069763e-09$, $x_1 = 9.999011881847854e-01$, $x_2 = 9.998022082014187e-01$ 第9063次迭代 $f(x_{9063}) = 9.751235524258514e-09$, $x_1 = 9.999014242217343e-01$, $x_2 = 9.998022746243336e-01$ 第9064次迭代 $f(x_{9064}) = 9.735664208256425e-09$, $x_1 = 9.999013478092998e-01$, $x_2 = 9.998025207031273e-01$ 第9065次迭代 $f(x_{9065}) = 9.720081849129817e-09$, $x_1 = 9.999015782367491e-01$, $x_2 = 9.998025896330854e-01$ 第9066次迭代 $f(x_{9066}) = 9.704500121337911e-09$, $x_1 = 9.999015045392441e-01$, $x_2 = 9.998028414572053e-01$ 第9067次迭代 $f(x_{9067}) = 9.688894846191704e-09$, $x_1 = 9.999017398500395e-01$, $x_2 = 9.998029076526698e-01$ 第9068次迭代 $f(x_{9068}) = 9.673423404753733e-09$, $x_1 = 9.999016636529661e-01$, $x_2 = 9.998031529581229e-01$ 第9069次迭代 $f(x_{9069}) = 9.657940286361077e-09$, $x_1 = 9.999018933715403e-01$, $x_2 = 9.998032216529432e-01$ 第9070次迭代 $f(x_{9070}) = 9.642458696541209e-09$, $x_1 = 9.999018198803553e-01$, $x_2 = 9.998034726855000e-01$ 第9071次迭代 $f(x_{9071}) = 9.626952778809447e-09$, $x_1 = 9.999020544678875e-01$, $x_2 = 9.998035386539604e-01$ 第9072次迭代 $f(x_{9072}) = 9.611580578125955e-09$, $x_1 = 9.999019784849320e-01$, $x_2 = 9.998037831888260e-01$ 第9073次迭代 $f(x_{9073}) = 9.596196059541786e-09$, $x_1 = 9.999022074974454e-01$, $x_2 = 9.998038516489901e-01$ 第9074次迭代 $f(x_{9074}) = 9.580813975173782e-09$, $x_1 = 9.999021342113679e-01$, $x_2 = 9.998041018927942e-01$ 第9075次迭代 $f(x_{9075}) = 9.565406772850623e-09$, $x_1 = 9.999023680785124e-01$, $x_2 = 9.998041676346986e-01$ 第9076次迭代 $f(x_{9076}) = 9.550133183012558e-09$, $x_1 = 9.999022923084415e-01$, $x_2 = 9.998044114017182e-01$ 第9077次迭代 $f(x_{9077}) = 9.534846627584485e-09$, $x_1 = 9.999025206176936e-01$, $x_2 = 9.998044796277088e-01$ 第9078次迭代 $f(x_{9078}) = 9.519563278529242e-09$, $x_1 = 9.999024492470897e-01$, $x_2 = 9.998047232433089e-01$ 第9079次迭代 $f(x_{9079}) = 9.504348729520656e-09$, $x_1 = 9.999026754736060e-01$, $x_2 = 9.998047922177997e-01$ 第9080次迭代 $f(x_{9080}) = 9.489084928971715e-09$, $x_1 = 9.999026042554825e-01$, $x_2 = 9.998050404052619e-01$ 第9081次迭代 $f(x_{9081}) = 9.473849384676953e-09$, $x_1 = 9.999028352600189e-01$, $x_2 = 9.998051067011438e-01$ 第9082次迭代 $f(x_{9082}) = 9.458706253791269e-09$, $x_1 = 9.999027607130786e-01$, $x_2 = 9.998053512338472e-01$ 第9083次迭代 $f(x_{9083}) = 9.443543431535968e-09$, $x_1 = 9.999029895985327e-01$, $x_2 = 9.998054182973024e-01$ 第9084次迭代 $f(x_{9084}) = 9.428427011076730e-09$, $x_1 = 9.999029169088851e-01$, $x_2 = 9.998056615720226e-01$ 第9085次迭代 $f(x_{9085}) = 9.413336071071784e-09$, $x_1 = 9.999031437009211e-01$, $x_2 = 9.998057293907060e-01$ 第9086次迭代 $f(x_{9086}) = 9.398246675821261e-09$, $x_1 = 9.999030711442100e-01$, $x_2 = 9.998059772247151e-01$ 第9087次迭代 $f(x_{9087}) = 9.383133496769537e-09$, $x_1 =$

9.999033027444640e-01, x2 = 9.998060423511339e-01 第9088次迭代 f(x_9088)
=9.368150718831655e-09, x1 = 9.999032277265052e-01, x2 = 9.998062837708872e-01 第9089次
迭代 f(x_9089) =9.353155847487843e-09, x1 = 9.999034538239496e-01, x2 =
9.998063513566736e-01 第9090次迭代 f(x_9090) =9.338163464761831e-09, x1 =
9.999033831618054e-01, x2 = 9.998065926272237e-01 第9091次迭代 f(x_9091)
=9.323239205991288e-09, x1 = 9.999036071976962e-01, x2 = 9.99806609537241e-01 第9092次
迭代 f(x_9092) =9.308265899901782e-09, x1 = 9.999035366859207e-01, x2 =
9.998069067526895e-01 第9093次迭代 f(x_9093) =9.293321055661681e-09, x1 =
9.999037654542340e-01, x2 = 9.998069724261553e-01 第9094次迭代 f(x_9094)
=9.278466230909951e-09, x1 = 9.999036916447782e-01, x2 = 9.998072146057204e-01 第9095次
迭代 f(x_9095) =9.263592701115417e-09, x1 = 9.999039183155359e-01, x2 =
9.998072810387924e-01 第9096次迭代 f(x_9096) =9.248764095814074e-09, x1 =
9.999038463443686e-01, x2 = 9.998075219730299e-01 第9097次迭代 f(x_9097)
=9.233961057531680e-09, x1 = 9.999040709429610e-01, x2 = 9.998075891534953e-01 第9098次
迭代 f(x_9098) =9.219158874463812e-09, x1 = 9.999039991027755e-01, x2 =
9.998078346037105e-01 第9099次迭代 f(x_9099) =9.204334028427187e-09, x1 =
9.999042284637827e-01, x2 = 9.998078991175746e-01 第9100次迭代 f(x_9100)
=9.189636581435440e-09, x1 = 9.999041541849181e-01, x2 = 9.998081382154436e-01 第9101次
迭代 f(x_9101) =9.174927754651962e-09, x1 = 9.999043780974518e-01, x2 =
9.998082051643029e-01 第9102次迭代 f(x_9102) =9.160220781383711e-09, x1 =
9.999043064534293e-01, x2 = 9.998084498454702e-01 第9103次迭代 f(x_9103)
=9.145490253816645e-09, x1 = 9.999045351144936e-01, x2 = 9.998085141355866e-01 第9104次
迭代 f(x_9104) =9.130887132500139e-09, x1 = 9.999044610394261e-01, x2 =
9.998087524848353e-01 第9105次迭代 f(x_9105) =9.116271909379978e-09, x1 =
9.999046842685996e-01, x2 = 9.998088192025802e-01 第9106次迭代 f(x_9106)
=9.101659459686521e-09, x1 = 9.999046144929238e-01, x2 = 9.998090574049825e-01 第9107次
迭代 f(x_9107) =9.087113048615967e-09, x1 = 9.999048356878391e-01, x2 =
9.998091248534912e-01 第9108次迭代 f(x_9108) =9.072519275797147e-09, x1 =
9.999047660592491e-01, x2 = 9.998093675272737e-01 第9109次迭代 f(x_9109)
=9.057952773436683e-09, x1 = 9.999049919279489e-01, x2 = 9.998094323557277e-01 第9110次
迭代 f(x_9110) =9.043474434405664e-09, x1 = 9.999049190423870e-01, x2 =
9.998096714569014e-01 第9111次迭代 f(x_9111) =9.028977428602751e-09, x1 =
9.999051428412704e-01, x2 = 9.998097370347780e-01 第9112次迭代 f(x_9112)
=9.014524653327067e-09, x1 = 9.999050717695799e-01, x2 = 9.998099749069915e-01 第9113次
迭代 f(x_9113) =9.000096342722795e-09, x1 = 9.999052935236830e-01, x2 =
9.998100412222491e-01 第9114次迭代 f(x_9114) =8.985669421036140e-09, x1 =
9.999052225798968e-01, x2 = 9.998102835535845e-01 第9115次迭代 f(x_9115)
=8.971219824532233e-09, x1 = 9.999054490375123e-01, x2 = 9.998103472353348e-01 第9116次
迭代 f(x_9116) =8.956894876054747e-09, x1 = 9.999053756850118e-01, x2 =
9.998105832958469e-01 第9117次迭代 f(x_9117) =8.942558360479389e-09, x1 =
9.999055967641119e-01, x2 = 9.998106493812979e-01 第9118次迭代 f(x_9118)
=8.928224250368056e-09, x1 = 9.999055276686518e-01, x2 = 9.998108852969650e-01 第9119次
迭代 f(x_9119) =8.913955219244514e-09, x1 = 9.999057467340059e-01, x2 =
9.998109521056660e-01 第9120次迭代 f(x_9120) =8.899639390105837e-09, x1 =
9.999056777834697e-01, x2 = 9.998111924502797e-01 第9121次迭代 f(x_9121)
=8.885350649711057e-09, x1 = 9.999059014783781e-01, x2 = 9.998112566637555e-01 第9122次
迭代 f(x_9122) =8.871148111066247e-09, x1 = 9.999058293012584e-01, x2 =
9.998114934703619e-01 第9123次迭代 f(x_9123) =8.856927526634954e-09, x1 =
9.999060509471968e-01, x2 = 9.998115584255708e-01 第9124次迭代 f(x_9124)
=8.842750077743198e-09, x1 = 9.999059805655669e-01, x2 = 9.998117940154917e-01 第9125次

迭代 $f(x_{9125}) = 8.828596863920218e-09$, $x_1 = 9.999062001873066e-01$, $x_2 = 9.998118597005201e-01$ 第9126次迭代 $f(x_{9126}) = 8.814444747244166e-09$, $x_1 = 9.999061299315728e-01$, $x_2 = 9.998120997072617e-01$ 第9127次迭代 $f(x_{9127}) = 8.800270650088820e-09$, $x_1 = 9.999063542123929e-01$, $x_2 = 9.998121627836996e-01$ 第9128次迭代 $f(x_{9128}) = 8.786218628018115e-09$, $x_1 = 9.999062815700991e-01$, $x_2 = 9.998123965801096e-01$ 第9129次迭代 $f(x_{9129}) = 8.772155436134555e-09$, $x_1 = 9.999065005250636e-01$, $x_2 = 9.998124620366514e-01$ 第9130次迭代 $f(x_{9130}) = 8.758094414691431e-09$, $x_1 = 9.999064304570258e-01$, $x_2 = 9.998127012934729e-01$ 第9131次迭代 $f(x_{9131}) = 8.744010438586077e-09$, $x_1 = 9.999066540576108e-01$, $x_2 = 9.998127641490501e-01$ 第9132次迭代 $f(x_{9132}) = 8.730048640580313e-09$, $x_1 = 9.999065816105059e-01$, $x_2 = 9.998129972154999e-01$ 第9133次迭代 $f(x_{9133}) = 8.716074890302742e-09$, $x_1 = 9.999067999012959e-01$, $x_2 = 9.998130624440549e-01$ 第9134次迭代 $f(x_{9134}) = 8.702104219005870e-09$, $x_1 = 9.999067316564891e-01$, $x_2 = 9.998132953677507e-01$ 第9135次迭代 $f(x_{9135}) = 8.688196238093526e-09$, $x_1 = 9.999069479599652e-01$, $x_2 = 9.998133613099547e-01$ 第9136次迭代 $f(x_{9136}) = 8.674243535213347e-09$, $x_1 = 9.999068798567466e-01$, $x_2 = 9.998135986068909e-01$ 第9137次迭代 $f(x_{9137}) = 8.660316305178239e-09$, $x_1 = 9.999071007328988e-01$, $x_2 = 9.998136619858887e-01$ 第9138次迭代 $f(x_{9138}) = 8.646473914635248e-09$, $x_1 = 9.999070294428281e-01$, $x_2 = 9.998138957906068e-01$ 第9139次迭代 $f(x_{9139}) = 8.632613109037060e-09$, $x_1 = 9.999072482968725e-01$, $x_2 = 9.998139599015108e-01$ 第9140次迭代 $f(x_{9140}) = 8.618795175629299e-09$, $x_1 = 9.999071787786752e-01$, $x_2 = 9.998141925054180e-01$ 第9141次迭代 $f(x_{9141}) = 8.605000029565577e-09$, $x_1 = 9.999073956350415e-01$, $x_2 = 9.998142573364791e-01$ 第9142次迭代 $f(x_{9142}) = 8.591206954152172e-09$, $x_1 = 9.999073262396061e-01$, $x_2 = 9.998144943016761e-01$ 第9143次迭代 $f(x_{9143}) = 8.577391411387066e-09$, $x_1 = 9.999075476979143e-01$, $x_2 = 9.998145565562782e-01$ 第9144次迭代 $f(x_{9144}) = 8.563695688223430e-09$, $x_1 = 9.999074759453309e-01$, $x_2 = 9.998147873908004e-01$ 第9145次迭代 $f(x_{9145}) = 8.549988256968117e-09$, $x_1 = 9.999076921455822e-01$, $x_2 = 9.998148519952095e-01$ 第9146次迭代 $f(x_{9146}) = 8.536283836972919e-09$, $x_1 = 9.999076245541958e-01$, $x_2 = 9.998150826887796e-01$ 第9147次迭代 $f(x_{9147}) = 8.522640910308053e-09$, $x_1 = 9.999078387870032e-01$, $x_2 = 9.998151479995840e-01$ 第9148次迭代 $f(x_{9148}) = 8.508954129565881e-09$, $x_1 = 9.999077713349999e-01$, $x_2 = 9.998153830249487e-01$ 第9149次迭代 $f(x_{9149}) = 8.495292310250353e-09$, $x_1 = 9.999079900975674e-01$, $x_2 = 9.998154457966590e-01$ 第9150次迭代 $f(x_{9150}) = 8.481713747034225e-09$, $x_1 = 9.999079194883725e-01$, $x_2 = 9.998156773636653e-01$ 第9151次迭代 $f(x_{9151}) = 8.468117075111290e-09$, $x_1 = 9.999081362490269e-01$, $x_2 = 9.998157408598575e-01$ 第9152次迭代 $f(x_{9152}) = 8.454562511739469e-09$, $x_1 = 9.999080673939194e-01$, $x_2 = 9.998159712379614e-01$ 第9153次迭代 $f(x_{9153}) = 8.441030237407073e-09$, $x_1 = 9.999082821768338e-01$, $x_2 = 9.998160354470101e-01$ 第9154次迭代 $f(x_{9154}) = 8.427500082703662e-09$, $x_1 = 9.999082134424347e-01$, $x_2 = 9.998162701450866e-01$ 第9155次迭代 $f(x_{9155}) = 8.413947787884494e-09$, $x_1 = 9.999084327841755e-01$, $x_2 = 9.998163318018751e-01$ 第9156次迭代 $f(x_{9156}) = 8.400513117920706e-09$, $x_1 = 9.999083617143731e-01$, $x_2 = 9.998165604283844e-01$ 第9157次迭代 $f(x_{9157}) = 8.387066865521538e-09$, $x_1 = 9.999085758491072e-01$, $x_2 = 9.998166244121269e-01$ 第9158次迭代 $f(x_{9158}) = 8.373623679100435e-09$, $x_1 = 9.999085088999263e-01$, $x_2 = 9.998168528994029e-01$ 第9159次迭代 $f(x_{9159}) = 8.360240692562964e-09$, $x_1 = 9.999087210868169e-01$, $x_2 = 9.998169175823961e-01$ 第9160次迭代 $f(x_{9160}) = 8.346814843477800e-09$, $x_1 = 9.999086542747971e-01$, $x_2 = 9.998171503604366e-01$ 第9161次迭代 $f(x_{9161}) = 8.333413310290518e-09$, $x_1 = 9.999088709490829e-01$, $x_2 = 9.998172125281470e-01$ 第9162次迭代 $f(x_{9162}) = 8.320093604438723e-09$, $x_1 =$

9.999088010092256e-01, x2 = 9.998174418813758e-01 第9163次迭代 f(x_9163)
=8.306755967855160e-09, x1 = 9.999090157015192e-01, x2 = 9.998175047662550e-01 第9164次
迭代 f(x_9164) =8.293459811546101e-09, x1 = 9.999089474982134e-01, x2 =
9.998177329423360e-01 第9165次迭代 f(x_9165) =8.280185336608661e-09, x1 =
9.999091602324355e-01, x2 = 9.998177965328805e-01 第9166次迭代 f(x_9166)
=8.266913130944535e-09, x1 = 9.999090937422942e-01, x2 = 9.998180235439812e-01 第9167次
迭代 f(x_9167) =8.253701098407485e-09, x1 = 9.999093045420619e-01, x2 =
9.998180878288383e-01 第9168次迭代 f(x_9168) =8.240445884356843e-09, x1 =
9.999092381880010e-01, x2 = 9.998183191033759e-01 第9169次迭代 f(x_9169)
=8.227215560021354e-09, x1 = 9.999094534460492e-01, x2 = 9.998183808892450e-01 第9170次
迭代 f(x_9170) =8.214065260758455e-09, x1 = 9.999093839838411e-01, x2 =
9.998186087610169e-01 第9171次迭代 f(x_9171) =8.200898001289989e-09, x1 =
9.999095972735066e-01, x2 = 9.998186712590011e-01 第9172次迭代 f(x_9172)
=8.187770966242243e-09, x1 = 9.999095295358204e-01, x2 = 9.998188979616147e-01 第9173次
迭代 f(x_9173) =8.174666046642842e-09, x1 = 9.999097408808512e-01, x2 =
9.998189611602940e-01 第9174次迭代 f(x_9174) =8.161562575413651e-09, x1 =
9.999096732608224e-01, x2 = 9.998191921147332e-01 第9175次迭代 f(x_9175)
=8.148438268581019e-09, x1 = 9.999098890928642e-01, x2 = 9.998192528014046e-01 第9176次
迭代 f(x_9176) =8.135427410335031e-09, x1 = 9.999098191731455e-01, x2 =
9.998194777815645e-01 第9177次迭代 f(x_9177) =8.122405762056928e-09, x1 =
9.999100298830597e-01, x2 = 9.998195407571481e-01 第9178次迭代 f(x_9178)
=8.109386641004975e-09, x1 = 9.999099640166315e-01, x2 = 9.998197656011865e-01 第9179次
迭代 f(x_9179) =8.096426238713793e-09, x1 = 9.999101728112487e-01, x2 =
9.998198292641169e-01 第9180次迭代 f(x_9180) =8.083423852556114e-09, x1 =
9.999101070786487e-01, x2 = 9.998200583312477e-01 第9181次迭代 f(x_9181)
=8.070445487167742e-09, x1 = 9.999103202900917e-01, x2 = 9.998201195185048e-01 第9182次
迭代 f(x_9182) =8.057545974099102e-09, x1 = 9.999102514781927e-01, x2 =
9.998203452159021e-01 第9183次迭代 f(x_9183) =8.044629465573869e-09, x1 =
9.999104627407246e-01, x2 = 9.998204071081438e-01 第9184次迭代 f(x_9184)
=8.031752777686610e-09, x1 = 9.999103956362222e-01, x2 = 9.998206316478847e-01 第9185次
迭代 f(x_9185) =8.018897415330076e-09, x1 = 9.999106049733439e-01, x2 =
9.998206942338099e-01 第9186次迭代 f(x_9186) =8.006043920335873e-09, x1 =
9.999105379843943e-01, x2 = 9.998209229851573e-01 第9187次迭代 f(x_9187)
=7.993169518190660e-09, x1 = 9.999107517668770e-01, x2 = 9.998209830824740e-01 第9188次
迭代 f(x_9188) =7.980406781070911e-09, x1 = 9.999106824995219e-01, x2 =
9.998212059171071e-01 第9189次迭代 f(x_9189) =7.967633084353451e-09, x1 =
9.999108912091411e-01, x2 = 9.998212682813080e-01 第9190次迭代 f(x_9190)
=7.954862274221773e-09, x1 = 9.999108259558662e-01, x2 = 9.998214909813264e-01 第9191次
迭代 f(x_9191) =7.942148651556295e-09, x1 = 9.999110327690899e-01, x2 =
9.998215540260119e-01 第9192次迭代 f(x_9192) =7.929394342907749e-09, x1 =
9.999109676473767e-01, x2 = 9.998217809091824e-01 第9193次迭代 f(x_9193)
=7.916663076328568e-09, x1 = 9.999111788364980e-01, x2 = 9.998218415012208e-01 第9194次
迭代 f(x_9194) =7.904009620912174e-09, x1 = 9.999111106640377e-01, x2 =
9.998220650473839e-01 第9195次迭代 f(x_9195) =7.891339028011527e-09, x1 =
9.999113199234586e-01, x2 = 9.998221263373817e-01 第9196次迭代 f(x_9196)
=7.878707965623737e-09, x1 = 9.999112534415066e-01, x2 = 9.998223487372435e-01 第9197次
迭代 f(x_9197) =7.866097349582950e-09, x1 = 9.999114607944852e-01, x2 =
9.998224107140167e-01 第9198次迭代 f(x_9198) =7.853489060097995e-09, x1 =
9.999113959803032e-01, x2 = 9.998226319794085e-01 第9199次迭代 f(x_9199)
=7.840937738971393e-09, x1 = 9.999116014498030e-01, x2 = 9.998226946319196e-01 第9200次

迭代 $f(x_{9200}) = 7.828345656687529e-09$, $x_1 = 9.999115367660653e-01$, $x_2 = 9.998229200538602e-01$ 第9201次迭代 $f(x_{9201}) = 7.815776927728218e-09$, $x_1 = 9.999117465833213e-01$, $x_2 = 9.998229802694887e-01$ 第9202次迭代 $f(x_{9202}) = 7.803284500093627e-09$, $x_1 = 9.999116788679899e-01$, $x_2 = 9.998232023759283e-01$ 第9203次迭代 $f(x_{9203}) = 7.790775657859968e-09$, $x_1 = 9.999118867686757e-01$, $x_2 = 9.998232632846575e-01$ 第9204次迭代 $f(x_{9204}) = 7.778305349379470e-09$, $x_1 = 9.999118207322616e-01$, $x_2 = 9.998234842525161e-01$ 第9205次迭代 $f(x_{9205}) = 7.765855706455265e-09$, $x_1 = 9.999120267394690e-01$, $x_2 = 9.998235458432428e-01$ 第9206次迭代 $f(x_{9206}) = 7.753407875622436e-09$, $x_1 = 9.999119608154700e-01$, $x_2 = 9.998237709563694e-01$ 第9207次迭代 $f(x_{9207}) = 7.740939779000616e-09$, $x_1 = 9.999121711986392e-01$, $x_2 = 9.998238300974218e-01$ 第9208次迭代 $f(x_{9208}) = 7.728579851203579e-09$, $x_1 = 9.999121030311904e-01$, $x_2 = 9.998240493885838e-01$ 第9209次迭代 $f(x_{9209}) = 7.716209264934803e-09$, $x_1 = 9.999123084234322e-01$, $x_2 = 9.998241107598383e-01$ 第9210次迭代 $f(x_{9210}) = 7.703841533948814e-09$, $x_1 = 9.999122442049814e-01$, $x_2 = 9.998243299191473e-01$ 第9211次迭代 $f(x_{9211}) = 7.691529110529957e-09$, $x_1 = 9.999124477322232e-01$, $x_2 = 9.998243919594472e-01$ 第9212次迭代 $f(x_{9212}) = 7.679177392140751e-09$, $x_1 = 9.999123836419255e-01$, $x_2 = 9.998246152360302e-01$ 第9213次迭代 $f(x_{9213}) = 7.666847864378208e-09$, $x_1 = 9.999125914768657e-01$, $x_2 = 9.998246748619980e-01$ 第9214次迭代 $f(x_{9214}) = 7.654593815515049e-09$, $x_1 = 9.999125243830360e-01$, $x_2 = 9.998248948553036e-01$ 第9215次迭代 $f(x_{9215}) = 7.642323031578274e-09$, $x_1 = 9.999127303201880e-01$, $x_2 = 9.998249551675202e-01$ 第9216次迭代 $f(x_{9216}) = 7.630090680761867e-09$, $x_1 = 9.999126648887779e-01$, $x_2 = 9.998251740333585e-01$ 第9217次迭代 $f(x_{9217}) = 7.617877966589277e-09$, $x_1 = 9.999128689509966e-01$, $x_2 = 9.998252350208346e-01$ 第9218次迭代 $f(x_{9218}) = 7.605667681062410e-09$, $x_1 = 9.999128051596626e-01$, $x_2 = 9.998254527708318e-01$ 第9219次迭代 $f(x_{9219}) = 7.593512377012358e-09$, $x_1 = 9.999130073695134e-01$, $x_2 = 9.998255144227221e-01$ 第9220次迭代 $f(x_{9220}) = 7.581317839184843e-09$, $x_1 = 9.999129437051936e-01$, $x_2 = 9.998257362638329e-01$ 第9221次迭代 $f(x_{9221}) = 7.569145655850849e-09$, $x_1 = 9.999131501951908e-01$, $x_2 = 9.998257955168336e-01$ 第9222次迭代 $f(x_{9222}) = 7.557047608220651e-09$, $x_1 = 9.999130835461653e-01$, $x_2 = 9.998260140958424e-01$ 第9223次迭代 $f(x_{9223}) = 7.544933408476440e-09$, $x_1 = 9.999132881512149e-01$, $x_2 = 9.998260740303512e-01$ 第9224次迭代 $f(x_{9224}) = 7.532856792023260e-09$, $x_1 = 9.999132231532821e-01$, $x_2 = 9.998262914894501e-01$ 第9225次迭代 $f(x_{9225}) = 7.520799910880776e-09$, $x_1 = 9.999134258960768e-01$, $x_2 = 9.998263520945558e-01$ 第9226次迭代 $f(x_{9226}) = 7.508745087761397e-09$, $x_1 = 9.999133625270520e-01$, $x_2 = 9.998265684452891e-01$ 第9227次迭代 $f(x_{9227}) = 7.496744874421799e-09$, $x_1 = 9.999135634299973e-01$, $x_2 = 9.998266297102234e-01$ 第9228次迭代 $f(x_{9228}) = 7.484705546248508e-09$, $x_1 = 9.999135001868384e-01$, $x_2 = 9.998268501260855e-01$ 第9229次迭代 $f(x_{9229}) = 7.472688674227511e-09$, $x_1 = 9.999137053426138e-01$, $x_2 = 9.998269090074446e-01$ 第9230次迭代 $f(x_{9230}) = 7.460744663861544e-09$, $x_1 = 9.999136391334453e-01$, $x_2 = 9.998271261822497e-01$ 第9231次迭代 $f(x_{9231}) = 7.448785025735373e-09$, $x_1 = 9.999138424169983e-01$, $x_2 = 9.998271857404227e-01$ 第9232次迭代 $f(x_{9232}) = 7.436862182319271e-09$, $x_1 = 9.999137778477013e-01$, $x_2 = 9.998274018028107e-01$ 第9233次迭代 $f(x_{9233}) = 7.424959121981709e-09$, $x_1 = 9.999139792815638e-01$, $x_2 = 9.998274620269645e-01$ 第9234次迭代 $f(x_{9234}) = 7.413057790021052e-09$, $x_1 = 9.999139148204444e-01$, $x_2 = 9.998276821434804e-01$ 第9235次迭代 $f(x_{9235}) = 7.401137066958238e-09$, $x_1 = 9.999141205348832e-01$, $x_2 = 9.998277399714683e-01$ 第9236次迭代 $f(x_{9236}) = 7.389319793223995e-09$, $x_1 = 9.999140538783851e-01$, $x_2 = 9.998279543961086e-01$ 第9237次迭代 $f(x_{9237}) = 7.377492277201149e-09$, $x_1 =$

9.999142547143667e-01, x2 = 9.998280144039491e-01 第9238次迭代 f(x_9238)
=7.365667562134456e-09, x1 = 9.999141919175452e-01, x2 = 9.998282287005001e-01 第9239次
迭代 f(x_9239) =7.353895635258989e-09, x1 = 9.999143909315824e-01, x2 =
9.998282893617069e-01 第9240次迭代 f(x_9240) =7.342086270357699e-09, x1 =
9.999143282583060e-01, x2 = 9.998285076850242e-01 第9241次迭代 f(x_9241)
=7.330297967658711e-09, x1 = 9.999145314862978e-01, x2 = 9.998285659845595e-01 第9242次
迭代 f(x_9242) =7.318581984505319e-09, x1 = 9.999144658744025e-01, x2 =
9.998287810983517e-01 第9243次迭代 f(x_9243) =7.306849826798939e-09, x1 =
9.999146672483716e-01, x2 = 9.998288400680837e-01 第9244次迭代 f(x_9244)
=7.295154604606201e-09, x1 = 9.999146032603806e-01, x2 = 9.998290540802437e-01 第9245次
迭代 f(x_9245) =7.283477948491238e-09, x1 = 9.999148028026296e-01, x2 =
9.998291137094495e-01 第9246次迭代 f(x_9246) =7.271803837493851e-09, x1 =
9.999147404167397e-01, x2 = 9.998293266313234e-01 第9247次迭代 f(x_9247)
=7.260182053288478e-09, x1 = 9.999149381492890e-01, x2 = 9.998293869094201e-01 第9248次
迭代 f(x_9248) =7.248523065581010e-09, x1 = 9.999148758857781e-01, x2 =
9.998296038325069e-01 第9249次迭代 f(x_9249) =7.236885116022101e-09, x1 =
9.999150778055323e-01, x2 = 9.998296617639368e-01 第9250次迭代 f(x_9250)
=7.225318358128088e-09, x1 = 9.999150126217802e-01, x2 = 9.998298754982190e-01 第9251次
迭代 f(x_9251) =7.213735829225296e-09, x1 = 9.999152126999591e-01, x2 =
9.998299340952639e-01 第9252次迭代 f(x_9252) =7.202189574947420e-09, x1 =
9.999151491291429e-01, x2 = 9.998301467352501e-01 第9253次迭代 f(x_9253)
=7.190661831845902e-09, x1 = 9.999153473878922e-01, x2 = 9.998302059872628e-01 第9254次
迭代 f(x_9254) =7.179136426634223e-09, x1 = 9.999152854083625e-01, x2 =
9.998304175442195e-01 第9255次迭代 f(x_9255) =7.167662848048787e-09, x1 =
9.999154818695480e-01, x2 = 9.998304774406920e-01 第9256次迭代 f(x_9256)
=7.156152350042510e-09, x1 = 9.999154200112231e-01, x2 = 9.998306929734793e-01 第9257次
迭代 f(x_9257) =7.144662812492310e-09, x1 = 9.999156206330906e-01, x2 =
9.998307505381657e-01 第9258次迭代 f(x_9258) =7.133243399751736e-09, x1 =
9.999155558727754e-01, x2 = 9.998309629027411e-01 第9259次迭代 f(x_9259)
=7.121808568458199e-09, x1 = 9.999157546654041e-01, x2 = 9.998310211285057e-01 第9260次
迭代 f(x_9260) =7.110409404610060e-09, x1 = 9.999156915071579e-01, x2 =
9.998312324060591e-01 第9261次迭代 f(x_9261) =7.099028653179387e-09, x1 =
9.999158884925381e-01, x2 = 9.998312912823298e-01 第9262次迭代 f(x_9262)
=7.087650079003477e-09, x1 = 9.999158269148631e-01, x2 = 9.998315014840488e-01 第9263次
迭代 f(x_9263) =7.076322794381424e-09, x1 = 9.999160221147076e-01, x2 =
9.998315610003914e-01 第9264次迭代 f(x_9264) =7.064958921707586e-09, x1 =
9.999159606570561e-01, x2 = 9.998317751527283e-01 第9265次迭代 f(x_9265)
=7.053615880530953e-09, x1 = 9.999161599912830e-01, x2 = 9.998318323520435e-01 第9266次
迭代 f(x_9266) =7.042341956138178e-09, x1 = 9.999160956497666e-01, x2 =
9.998320433566339e-01 第9267次迭代 f(x_9267) =7.031052916636297e-09, x1 =
9.999162931669822e-01, x2 = 9.998321012125349e-01 第9268次迭代 f(x_9268)
=7.019798989055930e-09, x1 = 9.999162304167671e-01, x2 = 9.998323111373154e-01 第9269次
迭代 f(x_9269) =7.008563333149702e-09, x1 = 9.999164261388077e-01, x2 =
9.998323696393042e-01 第9270次迭代 f(x_9270) =6.997329738531015e-09, x1 =
9.999163649585470e-01, x2 = 9.998325784953846e-01 第9271次迭代 f(x_9271)
=6.986146861302609e-09, x1 = 9.999165589069733e-01, x2 = 9.998326376331002e-01 第9272次
迭代 f(x_9272) =6.974927772512023e-09, x1 = 9.999164978455474e-01, x2 =
9.998328504147544e-01 第9273次迭代 f(x_9273) =6.963729337234099e-09, x1 =
9.999166959022784e-01, x2 = 9.998329072500804e-01 第9274次迭代 f(x_9274)
=6.952599067378289e-09, x1 = 9.999166319749881e-01, x2 = 9.998331169043273e-01 第9275次

迭代 $f(x_{9275}) = 6.941453938869643e-09$, $x_1 = 9.999168282268268e-01$, $x_2 = 9.998331743917900e-01$ 第9276次迭代 $f(x_{9276}) = 6.930343416354900e-09$, $x_1 = 9.999167658801692e-01$, $x_2 = 9.998333829733783e-01$ 第9277次迭代 $f(x_{9277}) = 6.919250984728213e-09$, $x_1 = 9.999169603487994e-01$, $x_2 = 9.998334411025535e-01$ 第9278次迭代 $f(x_{9278}) = 6.908160541160484e-09$, $x_1 = 9.999168995615764e-01$, $x_2 = 9.998336486225156e-01$ 第9279次迭代 $f(x_{9279}) = 6.897120209501978e-09$, $x_1 = 9.999170922684087e-01$, $x_2 = 9.998337073831146e-01$ 第9280次迭代 $f(x_{9280}) = 6.886044085745002e-09$, $x_1 = 9.999170315988247e-01$, $x_2 = 9.998339188037740e-01$ 第9281次迭代 $f(x_{9281}) = 6.874988390735493e-09$, $x_1 = 9.999172283881030e-01$, $x_2 = 9.998339752765015e-01$ 第9282次迭代 $f(x_{9282}) = 6.863999964347445e-09$, $x_1 = 9.999171648705318e-01$, $x_2 = 9.998341835899667e-01$ 第9283次迭代 $f(x_{9283}) = 6.852996890713737e-09$, $x_1 = 9.999173598669300e-01$, $x_2 = 9.998342407104253e-01$ 第9284次迭代 $f(x_{9284}) = 6.842027964779521e-09$, $x_1 = 9.999172979194200e-01$, $x_2 = 9.998344479583230e-01$ 第9285次迭代 $f(x_{9285}) = 6.831076910712586e-09$, $x_1 = 9.999174911444707e-01$, $x_2 = 9.998345057161612e-01$ 第9286次迭代 $f(x_{9286}) = 6.820127812350202e-09$, $x_1 = 9.999174307459718e-01$, $x_2 = 9.998347119094469e-01$ 第9287次迭代 $f(x_{9287}) = 6.809228188822408e-09$, $x_1 = 9.999176222209365e-01$, $x_2 = 9.998347702944481e-01$ 第9288次迭代 $f(x_{9288}) = 6.798293233596090e-09$, $x_1 = 9.999175619388747e-01$, $x_2 = 9.998349803637205e-01$ 第9289次迭代 $f(x_{9289}) = 6.787378437699242e-09$, $x_1 = 9.999177574706430e-01$, $x_2 = 9.998350364752497e-01$ 第9290次迭代 $f(x_{9290}) = 6.776530066164197e-09$, $x_1 = 9.999176943583485e-01$, $x_2 = 9.998352434574159e-01$ 第9291次迭代 $f(x_{9291}) = 6.765667215661441e-09$, $x_1 = 9.999178881091432e-01$, $x_2 = 9.998353002123131e-01$ 第9292次迭代 $f(x_{9292}) = 6.754838100285515e-09$, $x_1 = 9.999178265564344e-01$, $x_2 = 9.998355061359433e-01$ 第9293次迭代 $f(x_{9293}) = 6.744026601290320e-09$, $x_1 = 9.999180185476386e-01$, $x_2 = 9.998355635239289e-01$ 第9294次迭代 $f(x_{9294}) = 6.733217064781056e-09$, $x_1 = 9.999179585336120e-01$, $x_2 = 9.998357683999025e-01$ 第9295次迭代 $f(x_{9295}) = 6.722456336035413e-09$, $x_1 = 9.999181487863394e-01$, $x_2 = 9.998358264108314e-01$