Warning: Could not find appropriate function on path loading function handle
C:↙
\Users\enric\AppData\Local\Temp\Editor_wdtkz\LiveEditorEvaluationHelperESectionEval↙
cfd29ef8.m>@(x)ff_2RL_all_indietro_moo(x,sim,data)
> In DT_follower (line 43)
Warning: Unable to load Python object. Saving (serializing) Python objects into a↙
MAT-file is not
supported.
> In DT_follower (line 43)
Your initial point x0 is not between bounds lb and ub; FMINCON
shifted x0 to strictly satisfy the bounds.

				First-order	Norm of
Iter	F-count	f(x)	Feasibility	optimality	step
0	1001	2.440884e+01	5.701e-03	5.552e+00	
1	2002	1.862695e+01	3.526e-03	5.248e+00	5.796e-01
2	3004	1.802523e+01	3.294e-03	5.187e+00	7.169e-02
3	4006	1.734664e+01	3.039e-03	5.182e+00	9.372e-02
4	5008	1.689396e+01	2.872e-03	5.220e+00	1.132e-01
5	6009	1.630820e+01	2.652e-03	5.291e+00	1.601e-01
6	7010	1.592627e+01	2.514e-03	5.317e+00	1.928e-01
7	8012	1.552259e+01	2.343e-03	5.389e+00	1.303e-01
8	9013	1.525203e+01	2.224e-03	5.422e+00	1.164e-01
9	10015	1.503663e+01	2.101e-03	5.464e+00	1.116e-01
10	11017	1.485615e+01	1.922e-03	5.509e+00	2.027e-01
11	12018	1.461232e+01	1.511e-03	5.808e+00	3.970e-01
12	13019	1.453255e+01	1.220e-03	6.030e+00	3.130e-01
13	14020	1.434991e+01	7.732e-04	7.144e+00	9.313e-01
14	15021	1.421728e+01	7.508e-04	9.614e+00	1.732e+00
15	16023	1.414236e+01	9.421e-04	1.073e+01	1.728e+00
16	17026	1.413014e+01	9.047e-04	1.253e+01	7.416e-01
17	18029	1.407261e+01	9.349e-04	1.636e+01	7.278e-01
18	19033	1.404172e+01	9.258e-04	1.835e+01	4.284e-01
19	20035	1.394294e+01	8.837e-04	2.323e+01	8.619e-01
20	21038	1.393952e+01	8.654e-04	2.585e+01	4.258e-01
21	22042	1.394341e+01	8.443e-04	2.699e+01	5.171e-01
22	23046	1.394699e+01	7.955e-04	2.783e+01	8.131e-01
23	24048	1.389879e+01	8.197e-04	2.741e+01	9.094e-01
24	25054	1.386474e+01	8.385e-04	2.320e+01	8.987e-01
25	26061	1.385820e+01	8.484e-04	2.090e+01	8.340e-01
26	27067	1.385164e+01	8.514e-04	2.059e+01	3.934e-01
27	28072	1.386322e+01	8.560e-04	1.953e+01	3.017e-01
28	29077	1.387482e+01	8.600e-04	1.874e+01	3.038e-01
29	30082	1.388264e+01	8.637e-04	1.781e+01	3.307e-01
30	31087	1.389145e+01	8.671e-04	1.728e+01	3.463e-01

				First-order	Norm of
Iter	F-count	f(x)	Feasibility	optimality	step
31	32092	1.389412e+01	8.696e-04	1.691e+01	3.844e-01
32	33097	1.389272e+01	8.719e-04	1.654e+01	3.814e-01
33	34102	1.389946e+01	8.742e-04	1.608e+01	3.798e-01
34	35107	1.390061e+01	8.762e-04	1.575e+01	3.770e-01
35	36112	1.390888e+01	8.782e-04	1.539e+01	3.816e-01

Iter	F-count	f(x)	Feasibility	First-order optimality	Norm of step
36	37117	1.390977e+01	8.799e-04	1.518e+01	3.802e-01
37	38122	1.391927e+01	8.816e-04	1.487e+01	3.827e-01
38	39127	1.391944e+01	8.830e-04	1.479e+01	3.813e-01
39	40132	1.392950e+01	8.846e-04	1.463e+01	3.837e-01
40	41137	1.392934e+01	8.857e-04	1.457e+01	3.826e-01
41	42142	1.393868e+01	8.871e-04	1.443e+01	3.831e-01
42	43147	1.393891e+01	8.880e-04	1.440e+01	3.830e-01
43	44152	1.394711e+01	8.892e-04	1.426e+01	3.834e-01
44	45157	1.394770e+01	8.899e-04	1.425e+01	3.848e-01
45	46162	1.395456e+01	8.910e-04	1.413e+01	3.849e-01
46	47167	1.395554e+01	8.915e-04	1.413e+01	3.842e-01
47	48172	1.396212e+01	8.925e-04	1.402e+01	3.828e-01
48	49177	1.396372e+01	8.930e-04	1.401e+01	3.800e-01
49	50182	1.397014e+01	8.939e-04	1.391e+01	3.803e-01
50	51187	1.397184e+01	8.945e-04	1.388e+01	3.757e-01
51	52192	1.397861e+01	8.953e-04	1.378e+01	3.786e-01
52	53197	1.397992e+01	8.958e-04	1.372e+01	3.762e-01
53	54202	1.398635e+01	8.966e-04	1.364e+01	3.800e-01
54	55207	1.398709e+01	8.970e-04	1.358e+01	3.777e-01
55	56212	1.399333e+01	8.977e-04	1.350e+01	3.821e-01
56	57217	1.399345e+01	8.980e-04	1.346e+01	3.798e-01
57	58222	1.399963e+01	8.986e-04	1.338e+01	3.825e-01
58	59227	1.399927e+01	8.989e-04	1.334e+01	3.810e-01
59	60232	1.400582e+01	8.995e-04	1.326e+01	3.804e-01
60	61237	1.400537e+01	8.998e-04	1.321e+01	3.806e-01

Iter	F-count	f(x)	Feasibility	First-order optimality	Norm of step
61	62242	1.401168e+01	9.003e-04	1.314e+01	3.801e-01
62	63247	1.401114e+01	9.006e-04	1.310e+01	3.812e-01
63	64252	1.401742e+01	9.011e-04	1.304e+01	3.802e-01
64	65257	1.401671e+01	9.013e-04	1.299e+01	3.812e-01
65	66262	1.402295e+01	9.018e-04	1.292e+01	3.767e-01
66	67267	1.402302e+01	9.021e-04	1.287e+01	3.799e-01
67	68272	1.402842e+01	9.025e-04	1.282e+01	3.791e-01
68	69277	1.402826e+01	9.028e-04	1.276e+01	3.801e-01
69	70282	1.403384e+01	9.032e-04	1.272e+01	3.768e-01
70	71287	1.403372e+01	9.034e-04	1.268e+01	3.729e-01
71	72292	1.404093e+01	9.038e-04	1.265e+01	3.726e-01
72	73297	1.404065e+01	9.041e-04	1.261e+01	3.709e-01
73	74302	1.404793e+01	9.045e-04	1.259e+01	3.709e-01
74	75307	1.404747e+01	9.048e-04	1.255e+01	3.696e-01
75	76312	1.405466e+01	9.052e-04	1.252e+01	3.699e-01
76	77317	1.405402e+01	9.054e-04	1.249e+01	3.685e-01
77	78322	1.406113e+01	9.058e-04	1.246e+01	3.686e-01
78	79327	1.406035e+01	9.061e-04	1.243e+01	3.673e-01
79	80332	1.406737e+01	9.064e-04	1.241e+01	3.673e-01
80	81337	1.406643e+01	9.067e-04	1.237e+01	3.660e-01
81	82342	1.407336e+01	9.070e-04	1.235e+01	3.660e-01
82	83347	1.407229e+01	9.072e-04	1.232e+01	3.646e-01
83	84352	1.407913e+01	9.076e-04	1.230e+01	3.645e-01
84	85357	1.407792e+01	9.078e-04	1.227e+01	3.632e-01
85	86362	1.408467e+01	9.082e-04	1.224e+01	3.630e-01

Iter	F-count	f(x)	Feasibility	First-order optimality	Norm of step
86	87367	1.408335e+01	9.083e-04	1.222e+01	3.617e-01
87	88372	1.409002e+01	9.087e-04	1.219e+01	3.615e-01
88	89377	1.408859e+01	9.089e-04	1.217e+01	3.602e-01
89	90382	1.409517e+01	9.092e-04	1.215e+01	3.600e-01
90	91387	1.409366e+01	9.093e-04	1.212e+01	3.588e-01

Iter	F-count	f(x)	Feasibility	First-order optimality	Norm of step
91	92392	1.410014e+01	9.097e-04	1.210e+01	3.587e-01
92	93397	1.409856e+01	9.098e-04	1.208e+01	3.575e-01
93	94402	1.410493e+01	9.101e-04	1.205e+01	3.576e-01
94	95407	1.410329e+01	9.102e-04	1.203e+01	3.565e-01
95	96412	1.410954e+01	9.105e-04	1.201e+01	3.566e-01
96	97417	1.410784e+01	9.106e-04	1.199e+01	3.556e-01
97	98422	1.411394e+01	9.109e-04	1.196e+01	3.560e-01
98	99427	1.411219e+01	9.110e-04	1.194e+01	3.549e-01
99	100432	1.411813e+01	9.113e-04	1.191e+01	3.554e-01
100	101437	1.411629e+01	9.113e-04	1.189e+01	3.542e-01
101	102442	1.412220e+01	9.116e-04	1.186e+01	3.548e-01
102	103447	1.412021e+01	9.116e-04	1.184e+01	3.519e-01
103	104452	1.412647e+01	9.119e-04	1.181e+01	3.555e-01
104	105457	1.412545e+01	9.120e-04	1.178e+01	3.480e-01
105	106462	1.413211e+01	9.122e-04	1.177e+01	3.553e-01
106	107467	1.413069e+01	9.123e-04	1.174e+01	3.543e-01
107	108472	1.413516e+01	9.125e-04	1.173e+01	3.668e-01
108	109477	1.413268e+01	9.124e-04	1.173e+01	3.671e-01
109	110482	1.413521e+01	9.125e-04	1.171e+01	3.805e-01
110	111487	1.413195e+01	9.124e-04	1.172e+01	3.789e-01
111	112492	1.413334e+01	9.125e-04	1.170e+01	3.918e-01
112	113497	1.412998e+01	9.123e-04	1.172e+01	3.885e-01
113	114503	1.412776e+01	9.123e-04	1.166e+01	1.739e-01
114	115508	1.413374e+01	9.126e-04	1.161e+01	9.155e-02
115	116513	1.413955e+01	9.129e-04	1.154e+01	5.132e-02
116	117518	1.414296e+01	9.133e-04	1.142e+01	9.928e-02
117	118523	1.414750e+01	9.136e-04	1.135e+01	9.691e-02
118	119528	1.414756e+01	9.137e-04	1.126e+01	1.373e-01
119	120533	1.414568e+01	9.137e-04	1.116e+01	1.484e-01
120	121538	1.414533e+01	9.137e-04	1.106e+01	1.357e-01

Iter	F-count	f(x)	Feasibility	First-order optimality	Norm of step
121	122543	1.414547e+01	9.138e-04	1.097e+01	1.350e-01
122	123548	1.414522e+01	9.139e-04	1.088e+01	1.362e-01
123	124553	1.414554e+01	9.139e-04	1.079e+01	1.357e-01
124	125558	1.414550e+01	9.140e-04	1.071e+01	1.360e-01
125	126563	1.414616e+01	9.140e-04	1.062e+01	1.352e-01
126	127568	1.414616e+01	9.140e-04	1.055e+01	1.359e-01
127	128573	1.414699e+01	9.141e-04	1.048e+01	1.337e-01
128	129578	1.414707e+01	9.141e-04	1.041e+01	1.353e-01
129	130583	1.414781e+01	9.142e-04	1.033e+01	1.335e-01
130	131588	1.414782e+01	9.142e-04	1.026e+01	1.355e-01
131	132593	1.414827e+01	9.142e-04	1.018e+01	1.341e-01
132	133598	1.414808e+01	9.143e-04	1.010e+01	1.365e-01

Iter	F-count	f(x)	Feasibility	First-order optimality	Norm of step
133	134603	1.414798e+01	9.143e-04	1.001e+01	1.363e-01
134	135608	1.414751e+01	9.143e-04	9.938e+00	1.390e-01
135	136613	1.414703e+01	9.143e-04	9.844e+00	1.401e-01
136	137618	1.414626e+01	9.143e-04	9.784e+00	1.419e-01
137	138623	1.414581e+01	9.144e-04	9.700e+00	1.414e-01
138	139628	1.414486e+01	9.144e-04	9.644e+00	1.436e-01
139	140633	1.414442e+01	9.144e-04	9.566e+00	1.421e-01
140	141638	1.414341e+01	9.144e-04	9.511e+00	1.447e-01
141	142643	1.414289e+01	9.144e-04	9.436e+00	1.432e-01
142	143648	1.414185e+01	9.144e-04	9.381e+00	1.457e-01
143	144653	1.414125e+01	9.144e-04	9.310e+00	1.443e-01
144	145658	1.414024e+01	9.144e-04	9.255e+00	1.467e-01
145	146663	1.413959e+01	9.144e-04	9.187e+00	1.452e-01
146	147668	1.413863e+01	9.143e-04	9.132e+00	1.474e-01
147	148673	1.413796e+01	9.143e-04	9.068e+00	1.460e-01
148	149678	1.413709e+01	9.143e-04	9.015e+00	1.478e-01
149	150683	1.413643e+01	9.143e-04	8.954e+00	1.465e-01
150	151688	1.413567e+01	9.143e-04	8.903e+00	1.480e-01

Iter	F-count	f(x)	Feasibility	First-order optimality	Norm of step
151	152693	1.413504e+01	9.143e-04	8.846e+00	1.469e-01
152	153698	1.413439e+01	9.143e-04	8.796e+00	1.481e-01
153	154703	1.413381e+01	9.143e-04	8.743e+00	1.470e-01
154	155708	1.413327e+01	9.143e-04	8.696e+00	1.481e-01
155	156713	1.413275e+01	9.142e-04	8.646e+00	1.471e-01
156	157718	1.413231e+01	9.142e-04	8.601e+00	1.480e-01
157	158723	1.413185e+01	9.142e-04	8.554e+00	1.471e-01
158	159728	1.413151e+01	9.142e-04	8.511e+00	1.479e-01
159	160733	1.413110e+01	9.142e-04	8.466e+00	1.471e-01
160	161738	1.413086e+01	9.142e-04	8.426e+00	1.478e-01
161	162743	1.413051e+01	9.142e-04	8.384e+00	1.470e-01
162	163748	1.413036e+01	9.142e-04	8.346e+00	1.476e-01
163	164753	1.413006e+01	9.142e-04	8.306e+00	1.469e-01
164	165758	1.413000e+01	9.143e-04	8.269e+00	1.474e-01
165	166763	1.412974e+01	9.142e-04	8.232e+00	1.467e-01
166	167768	1.412976e+01	9.143e-04	8.197e+00	1.472e-01
167	168773	1.412955e+01	9.143e-04	8.162e+00	1.465e-01
168	169778	1.412964e+01	9.143e-04	8.129e+00	1.469e-01
169	170783	1.412947e+01	9.143e-04	8.096e+00	1.463e-01
170	171788	1.412964e+01	9.143e-04	8.064e+00	1.467e-01
171	172793	1.412950e+01	9.143e-04	8.033e+00	1.461e-01
172	173798	1.412973e+01	9.143e-04	8.002e+00	1.464e-01
173	174803	1.412962e+01	9.143e-04	7.973e+00	1.459e-01
174	175808	1.412991e+01	9.144e-04	7.944e+00	1.461e-01
175	176813	1.412983e+01	9.144e-04	7.916e+00	1.456e-01
176	177818	1.413018e+01	9.144e-04	7.888e+00	1.458e-01
177	178823	1.413012e+01	9.144e-04	7.861e+00	1.454e-01
178	179828	1.413052e+01	9.144e-04	7.835e+00	1.456e-01
179	180833	1.413048e+01	9.144e-04	7.809e+00	1.451e-01
180	181838	1.413092e+01	9.145e-04	7.784e+00	1.453e-01

| | | | | First-order | Norm of |

Iter	F-count	f(x)	Feasibility	optimality	step
181	182843	1.413090e+01	9.144e-04	7.760e+00	1.449e-01
182	183848	1.413138e+01	9.145e-04	7.736e+00	1.450e-01
183	184853	1.413137e+01	9.145e-04	7.713e+00	1.446e-01
184	185858	1.413188e+01	9.145e-04	7.690e+00	1.447e-01
185	186863	1.413189e+01	9.145e-04	7.668e+00	1.444e-01
186	187868	1.413242e+01	9.146e-04	7.645e+00	1.444e-01
187	188873	1.413244e+01	9.146e-04	7.624e+00	1.441e-01
188	189878	1.413300e+01	9.146e-04	7.603e+00	1.442e-01
189	190883	1.413303e+01	9.146e-04	7.583e+00	1.439e-01
190	191888	1.413361e+01	9.147e-04	7.562e+00	1.439e-01
191	192893	1.413365e+01	9.146e-04	7.543e+00	1.436e-01
192	193898	1.413424e+01	9.147e-04	7.523e+00	1.437e-01
193	194903	1.413428e+01	9.147e-04	7.504e+00	1.434e-01
194	195908	1.413489e+01	9.147e-04	7.485e+00	1.434e-01
195	196913	1.413493e+01	9.147e-04	7.467e+00	1.432e-01
196	197918	1.413555e+01	9.148e-04	7.449e+00	1.432e-01
197	198923	1.413560e+01	9.148e-04	7.432e+00	1.429e-01
198	199928	1.413622e+01	9.148e-04	7.414e+00	1.429e-01
199	200933	1.413628e+01	9.148e-04	7.397e+00	1.427e-01
200	201938	1.413691e+01	9.149e-04	7.380e+00	1.427e-01
201	202943	1.413697e+01	9.149e-04	7.364e+00	1.425e-01
202	203948	1.413760e+01	9.149e-04	7.348e+00	1.425e-01
203	204953	1.413766e+01	9.149e-04	7.332e+00	1.423e-01
204	205958	1.413829e+01	9.150e-04	7.316e+00	1.422e-01
205	206963	1.413835e+01	9.150e-04	7.301e+00	1.421e-01
206	207968	1.413899e+01	9.150e-04	7.286e+00	1.420e-01
207	208973	1.413905e+01	9.150e-04	7.271e+00	1.418e-01
208	209978	1.413969e+01	9.151e-04	7.256e+00	1.418e-01
209	210983	1.413975e+01	9.151e-04	7.243e+00	1.416e-01
210	211988	1.414039e+01	9.151e-04	7.228e+00	1.416e-01

Iter	F-count	f(x)	Feasibility	First-order optimality	Norm of step
211	212993	1.414045e+01	9.151e-04	7.214e+00	1.414e-01
212	213998	1.414109e+01	9.152e-04	7.200e+00	1.414e-01
213	215003	1.414115e+01	9.152e-04	7.187e+00	1.412e-01
214	216008	1.414179e+01	9.153e-04	7.174e+00	1.412e-01
215	217013	1.414185e+01	9.153e-04	7.161e+00	1.410e-01
216	218018	1.414248e+01	9.153e-04	7.148e+00	1.409e-01
217	219023	1.414255e+01	9.153e-04	7.136e+00	1.408e-01
218	220028	1.414318e+01	9.154e-04	7.123e+00	1.407e-01
219	221033	1.414324e+01	9.154e-04	7.111e+00	1.406e-01
220	222038	1.414387e+01	9.154e-04	7.098e+00	1.405e-01
221	223043	1.414393e+01	9.154e-04	7.087e+00	1.404e-01
222	224048	1.414455e+01	9.155e-04	7.075e+00	1.403e-01
223	225053	1.414462e+01	9.155e-04	7.064e+00	1.402e-01
224	226058	1.414524e+01	9.155e-04	7.052e+00	1.401e-01
225	227063	1.414530e+01	9.156e-04	7.041e+00	1.400e-01
226	228068	1.414592e+01	9.156e-04	7.030e+00	1.399e-01
227	229073	1.414598e+01	9.156e-04	7.019e+00	1.397e-01
228	230078	1.414659e+01	9.157e-04	7.008e+00	1.397e-01
229	231083	1.414666e+01	9.157e-04	6.998e+00	1.395e-01

Iter	F-count	f(x)	Feasibility	First-order optimality	Norm of step
230	232088	1.414727e+01	9.157e-04	6.987e+00	1.395e-01
231	233093	1.414733e+01	9.157e-04	6.977e+00	1.393e-01
232	234098	1.414794e+01	9.158e-04	6.967e+00	1.393e-01
233	235103	1.414800e+01	9.158e-04	6.957e+00	1.391e-01
234	236108	1.414860e+01	9.159e-04	6.947e+00	1.391e-01
235	237113	1.414866e+01	9.159e-04	6.937e+00	1.389e-01
236	238118	1.414926e+01	9.159e-04	6.927e+00	1.389e-01
237	239123	1.414932e+01	9.159e-04	6.918e+00	1.387e-01
238	240128	1.414992e+01	9.160e-04	6.909e+00	1.386e-01
239	241133	1.414998e+01	9.160e-04	6.900e+00	1.385e-01
240	242138	1.415057e+01	9.161e-04	6.890e+00	1.384e-01

Iter	F-count	f(x)	Feasibility	First-order optimality	Norm of step
241	243143	1.415063e+01	9.161e-04	6.882e+00	1.383e-01
242	244148	1.415122e+01	9.161e-04	6.873e+00	1.382e-01
243	245153	1.415128e+01	9.161e-04	6.864e+00	1.381e-01
244	246158	1.415187e+01	9.162e-04	6.855e+00	1.380e-01
245	247163	1.415193e+01	9.162e-04	6.847e+00	1.379e-01
246	248168	1.415251e+01	9.163e-04	6.839e+00	1.378e-01
247	249173	1.415257e+01	9.163e-04	6.831e+00	1.376e-01
248	250178	1.415315e+01	9.163e-04	6.822e+00	1.376e-01
249	251183	1.415321e+01	9.163e-04	6.815e+00	1.374e-01
250	252188	1.415379e+01	9.164e-04	6.806e+00	1.374e-01
251	253193	1.415385e+01	9.164e-04	6.799e+00	1.372e-01
252	254198	1.415442e+01	9.165e-04	6.791e+00	1.372e-01
253	255203	1.415448e+01	9.165e-04	6.784e+00	1.370e-01
254	256208	1.415505e+01	9.166e-04	6.776e+00	1.370e-01
255	257213	1.415511e+01	9.166e-04	6.769e+00	1.368e-01
256	258218	1.415567e+01	9.166e-04	6.761e+00	1.367e-01
257	259223	1.415574e+01	9.166e-04	6.754e+00	1.366e-01
258	260228	1.415630e+01	9.167e-04	6.752e+00	1.365e-01
259	261233	1.415636e+01	9.167e-04	6.753e+00	1.364e-01
260	262238	1.415692e+01	9.168e-04	6.751e+00	1.363e-01
261	263243	1.415698e+01	9.168e-04	6.752e+00	1.362e-01
262	264248	1.415753e+01	9.168e-04	6.750e+00	1.361e-01
263	265253	1.415760e+01	9.168e-04	6.751e+00	1.359e-01
264	266258	1.415815e+01	9.169e-04	6.750e+00	1.359e-01
265	267263	1.415821e+01	9.169e-04	6.751e+00	1.357e-01
266	268268	1.415876e+01	9.170e-04	6.749e+00	1.357e-01
267	269273	1.415882e+01	9.170e-04	6.750e+00	1.355e-01
268	270278	1.415937e+01	9.171e-04	6.749e+00	1.355e-01
269	271283	1.415943e+01	9.171e-04	6.750e+00	1.353e-01
270	272288	1.415997e+01	9.171e-04	6.748e+00	1.352e-01

Iter	F-count	f(x)	Feasibility	First-order optimality	Norm of step
271	273293	1.416004e+01	9.171e-04	6.749e+00	1.351e-01
272	274298	1.416057e+01	9.172e-04	6.747e+00	1.350e-01
273	275303	1.416064e+01	9.172e-04	6.748e+00	1.349e-01
274	276308	1.416117e+01	9.173e-04	6.747e+00	1.348e-01
275	277313	1.416124e+01	9.173e-04	6.748e+00	1.347e-01
276	278318	1.416177e+01	9.173e-04	6.746e+00	1.346e-01

277	279323	1.416184e+01	9.174e-04	6.747e+00	1.344e-01
278	280328	1.416236e+01	9.174e-04	6.746e+00	1.344e-01
279	281333	1.416243e+01	9.174e-04	6.747e+00	1.342e-01
280	282338	1.416296e+01	9.175e-04	6.745e+00	1.342e-01
281	283343	1.416302e+01	9.175e-04	6.746e+00	1.340e-01
282	284348	1.416355e+01	9.176e-04	6.744e+00	1.340e-01
283	285353	1.416361e+01	9.176e-04	6.745e+00	1.338e-01
284	286358	1.416413e+01	9.176e-04	6.744e+00	1.337e-01
285	287363	1.416420e+01	9.176e-04	6.745e+00	1.336e-01
286	288368	1.416472e+01	9.177e-04	6.743e+00	1.335e-01
287	289373	1.416479e+01	9.177e-04	6.744e+00	1.334e-01
288	290378	1.416530e+01	9.178e-04	6.743e+00	1.333e-01
289	291383	1.416537e+01	9.178e-04	6.744e+00	1.332e-01
290	292388	1.416588e+01	9.179e-04	6.742e+00	1.331e-01
291	293393	1.416595e+01	9.179e-04	6.743e+00	1.329e-01
292	294398	1.416646e+01	9.179e-04	6.742e+00	1.329e-01
293	295403	1.416653e+01	9.179e-04	6.743e+00	1.327e-01
294	296408	1.416703e+01	9.180e-04	6.741e+00	1.327e-01
295	297413	1.416710e+01	9.180e-04	6.742e+00	1.325e-01
296	298418	1.416761e+01	9.181e-04	6.740e+00	1.325e-01
297	299423	1.416768e+01	9.181e-04	6.741e+00	1.323e-01
298	300428	1.416818e+01	9.181e-04	6.740e+00	1.323e-01
299	301433	1.416825e+01	9.181e-04	6.741e+00	1.321e-01
300	302438	1.416874e+01	9.182e-04	6.739e+00	1.320e-01

Iter	F-count	f(x)	Feasibility	First-order optimality	Norm of step
301	303443	1.416882e+01	9.182e-04	6.740e+00	1.319e-01
302	304448	1.416931e+01	9.183e-04	6.739e+00	1.318e-01
303	305453	1.416938e+01	9.183e-04	6.740e+00	1.317e-01
304	306458	1.416987e+01	9.184e-04	6.738e+00	1.316e-01
305	307463	1.416995e+01	9.184e-04	6.739e+00	1.314e-01
306	308468	1.417044e+01	9.184e-04	6.738e+00	1.314e-01
307	309473	1.417051e+01	9.184e-04	6.739e+00	1.312e-01
308	310478	1.417100e+01	9.185e-04	6.737e+00	1.312e-01
309	311483	1.417107e+01	9.185e-04	6.738e+00	1.310e-01
310	312488	1.417155e+01	9.186e-04	6.737e+00	1.310e-01
311	313493	1.417163e+01	9.186e-04	6.738e+00	1.308e-01
312	314498	1.417211e+01	9.186e-04	6.736e+00	1.308e-01
313	315503	1.417218e+01	9.186e-04	6.737e+00	1.306e-01
314	316508	1.417266e+01	9.187e-04	6.735e+00	1.305e-01
315	317513	1.417274e+01	9.187e-04	6.737e+00	1.304e-01
316	318518	1.417321e+01	9.188e-04	6.735e+00	1.303e-01
317	319523	1.417329e+01	9.188e-04	6.736e+00	1.302e-01
318	320528	1.417376e+01	9.188e-04	6.734e+00	1.301e-01
319	321533	1.417384e+01	9.188e-04	6.736e+00	1.299e-01
320	322538	1.417431e+01	9.189e-04	6.734e+00	1.299e-01
321	323543	1.417439e+01	9.189e-04	6.735e+00	1.297e-01
322	324548	1.417486e+01	9.190e-04	6.733e+00	1.297e-01
323	325553	1.417493e+01	9.190e-04	6.734e+00	1.295e-01
324	326558	1.417540e+01	9.190e-04	6.733e+00	1.295e-01
325	327563	1.417548e+01	9.190e-04	6.734e+00	1.293e-01
326	328568	1.417594e+01	9.191e-04	6.732e+00	1.293e-01

Iter	F-count	f(x)	Feasibility	First-order optimality	Norm of step
327	329573	1.417602e+01	9.191e-04	6.733e+00	1.291e-01
328	330578	1.417648e+01	9.192e-04	6.732e+00	1.291e-01
329	331583	1.417656e+01	9.192e-04	6.733e+00	1.289e-01
330	332588	1.417702e+01	9.192e-04	6.731e+00	1.289e-01

Iter	F-count	f(x)	Feasibility	First-order optimality	Norm of step
331	333593	1.417710e+01	9.192e-04	6.732e+00	1.287e-01
332	334598	1.417756e+01	9.193e-04	6.731e+00	1.286e-01
333	335603	1.417763e+01	9.193e-04	6.732e+00	1.284e-01
334	336608	1.417809e+01	9.194e-04	6.730e+00	1.284e-01
335	337613	1.417817e+01	9.194e-04	6.731e+00	1.282e-01
336	338618	1.417862e+01	9.194e-04	6.730e+00	1.282e-01
337	339623	1.417870e+01	9.194e-04	6.731e+00	1.280e-01
338	340628	1.417915e+01	9.195e-04	6.729e+00	1.280e-01
339	341633	1.417923e+01	9.195e-04	6.730e+00	1.278e-01
340	342638	1.417968e+01	9.195e-04	6.729e+00	1.278e-01
341	343643	1.417976e+01	9.195e-04	6.730e+00	1.276e-01
342	344648	1.418021e+01	9.196e-04	6.728e+00	1.276e-01
343	345653	1.418028e+01	9.196e-04	6.729e+00	1.274e-01
344	346658	1.418073e+01	9.197e-04	6.728e+00	1.274e-01
345	347663	1.418081e+01	9.197e-04	6.729e+00	1.272e-01
346	348668	1.418126e+01	9.197e-04	6.727e+00	1.272e-01
347	349673	1.418133e+01	9.197e-04	6.729e+00	1.270e-01
348	350678	1.418178e+01	9.198e-04	6.727e+00	1.270e-01
349	351683	1.418186e+01	9.198e-04	6.728e+00	1.267e-01
350	352688	1.418230e+01	9.198e-04	6.726e+00	1.268e-01
351	353693	1.418238e+01	9.198e-04	6.728e+00	1.265e-01
352	354698	1.418282e+01	9.199e-04	6.726e+00	1.265e-01
353	355703	1.418290e+01	9.199e-04	6.727e+00	1.263e-01
354	356708	1.418333e+01	9.200e-04	6.725e+00	1.263e-01
355	357713	1.418341e+01	9.200e-04	6.727e+00	1.261e-01
356	358718	1.418385e+01	9.200e-04	6.725e+00	1.261e-01
357	359723	1.418393e+01	9.200e-04	6.726e+00	1.259e-01
358	360728	1.418436e+01	9.201e-04	6.725e+00	1.259e-01
359	361733	1.418444e+01	9.201e-04	6.726e+00	1.257e-01
360	362738	1.418488e+01	9.201e-04	6.724e+00	1.257e-01

Iter	F-count	f(x)	Feasibility	First-order optimality	Norm of step
361	363743	1.418496e+01	9.201e-04	6.725e+00	1.255e-01
362	364748	1.418539e+01	9.202e-04	6.724e+00	1.255e-01
363	365753	1.418547e+01	9.202e-04	6.725e+00	1.252e-01
364	366758	1.418590e+01	9.202e-04	6.723e+00	1.253e-01
365	367763	1.418598e+01	9.202e-04	6.724e+00	1.250e-01
366	368768	1.418641e+01	9.203e-04	6.723e+00	1.251e-01
367	369773	1.418649e+01	9.203e-04	6.724e+00	1.248e-01
368	370778	1.418691e+01	9.203e-04	6.722e+00	1.249e-01
369	371783	1.418699e+01	9.203e-04	6.723e+00	1.246e-01
370	372788	1.418742e+01	9.204e-04	6.722e+00	1.246e-01
371	373793	1.418750e+01	9.204e-04	6.723e+00	1.244e-01
372	374798	1.418792e+01	9.205e-04	6.721e+00	1.244e-01
373	375803	1.418800e+01	9.205e-04	6.722e+00	1.241e-01

374	376808	1.418843e+01	9.205e-04	6.721e+00	1.242e-01
375	377813	1.418851e+01	9.205e-04	6.722e+00	1.239e-01
376	378818	1.418893e+01	9.206e-04	6.720e+00	1.240e-01
377	379823	1.418901e+01	9.206e-04	6.722e+00	1.237e-01
378	380828	1.418943e+01	9.206e-04	6.720e+00	1.238e-01
379	381833	1.418951e+01	9.206e-04	6.721e+00	1.235e-01
380	382838	1.418993e+01	9.207e-04	6.719e+00	1.236e-01
381	383843	1.419001e+01	9.207e-04	6.721e+00	1.233e-01
382	384848	1.419043e+01	9.207e-04	6.719e+00	1.233e-01
383	385853	1.419051e+01	9.207e-04	6.720e+00	1.230e-01
384	386858	1.419093e+01	9.207e-04	6.719e+00	1.231e-01
385	387863	1.419101e+01	9.207e-04	6.720e+00	1.228e-01
386	388868	1.419142e+01	9.208e-04	6.718e+00	1.229e-01
387	389873	1.419151e+01	9.208e-04	6.719e+00	1.226e-01
388	390878	1.419192e+01	9.208e-04	6.718e+00	1.227e-01
389	391883	1.419200e+01	9.208e-04	6.719e+00	1.223e-01
390	392888	1.419241e+01	9.209e-04	6.717e+00	1.225e-01

Iter	F-count	f(x)	Feasibility	First-order optimality	Norm of step
391	393893	1.419250e+01	9.209e-04	6.718e+00	1.221e-01
392	394898	1.419291e+01	9.209e-04	6.717e+00	1.222e-01
393	395903	1.419299e+01	9.209e-04	6.718e+00	1.219e-01
394	396908	1.419340e+01	9.210e-04	6.716e+00	1.220e-01
395	397913	1.419348e+01	9.210e-04	6.717e+00	1.216e-01
396	398918	1.419389e+01	9.210e-04	6.716e+00	1.218e-01
397	399923	1.419397e+01	9.210e-04	6.717e+00	1.214e-01
398	400928	1.419437e+01	9.211e-04	6.715e+00	1.216e-01
399	401933	1.419446e+01	9.211e-04	6.717e+00	1.212e-01
400	402938	1.419486e+01	9.211e-04	6.715e+00	1.213e-01
401	403943	1.419494e+01	9.211e-04	6.716e+00	1.209e-01
402	404948	1.419534e+01	9.212e-04	6.715e+00	1.211e-01
403	405953	1.419543e+01	9.212e-04	6.716e+00	1.207e-01
404	406958	1.419582e+01	9.212e-04	6.714e+00	1.209e-01
405	407963	1.419591e+01	9.212e-04	6.715e+00	1.204e-01
406	408968	1.419630e+01	9.212e-04	6.714e+00	1.206e-01
407	409973	1.419639e+01	9.212e-04	6.715e+00	1.202e-01
408	410978	1.419678e+01	9.213e-04	6.713e+00	1.204e-01
409	411983	1.419686e+01	9.213e-04	6.714e+00	1.199e-01
410	412988	1.419725e+01	9.213e-04	6.713e+00	1.202e-01
411	413993	1.419733e+01	9.213e-04	6.714e+00	1.197e-01
412	414998	1.419772e+01	9.214e-04	6.712e+00	1.199e-01
413	416003	1.419780e+01	9.214e-04	6.713e+00	1.194e-01
414	417009	1.420932e+01	8.521e-04	6.714e+00	4.030e-02
415	418014	1.420865e+01	8.539e-04	6.713e+00	3.348e-02
416	419020	1.422041e+01	8.253e-04	6.714e+00	1.493e-03
417	420026	1.422465e+01	8.195e-04	6.715e+00	5.303e-04

Converged to an infeasible point.

fmincon stopped because the size of the current step is less than
the value of the step size tolerance but constraints are not
satisfied to within the value of the constraint tolerance.

```
<stopping criteria details>
Your initial point x0 is not between bounds lb and ub; FMINCON
shifted x0 to strictly satisfy the bounds.
```

| | | | | First-order | Norm of |
Iter	F-count	f(x)	Feasibility	optimality	step
0	1001	1.790469e+01	6.800e-03	4.309e+00	
1	2002	1.584236e+01	6.048e-03	4.467e+00	2.346e-01
2	3003	1.411154e+01	5.410e-03	4.578e+00	1.981e-01
3	4004	1.137218e+01	4.370e-03	4.600e+00	3.151e-01
4	5006	1.061701e+01	4.089e-03	4.564e+00	1.532e-01
5	6007	9.027514e+00	3.483e-03	4.527e+00	4.518e-01
6	7008	8.601590e+00	3.324e-03	4.599e+00	1.201e-01
7	8009	7.704102e+00	2.924e-03	8.186e+00	7.648e-01
8	9010	7.342965e+00	2.642e-03	3.077e+01	1.870e+00
9	10011	7.358049e+00	2.437e-03	5.133e+01	2.707e+00
10	11012	7.438531e+00	2.253e-03	4.933e+01	1.580e+00
11	12013	7.591823e+00	2.039e-03	5.124e+01	8.504e-01
12	13014	7.839989e+00	1.946e-03	5.203e+01	2.343e+00
13	14015	8.007794e+00	1.828e-03	5.147e+01	1.248e+00
14	15016	8.177914e+00	1.745e-03	5.191e+01	1.138e+00
15	16017	8.369989e+00	1.723e-03	5.184e+01	8.439e-01
16	17018	8.749815e+00	1.680e-03	5.252e+01	1.608e+00
17	18019	9.254313e+00	1.608e-03	5.251e+01	2.115e+00
18	19020	9.454772e+00	1.559e-03	5.432e+01	5.972e-01
19	20021	9.749512e+00	1.421e-03	5.527e+01	7.550e-01
20	21022	1.009380e+01	1.377e-03	5.685e+01	1.287e+00
21	22023	1.048248e+01	1.316e-03	5.747e+01	2.134e+00
22	23024	1.095386e+01	1.233e-03	6.038e+01	2.608e+00
23	24026	1.100345e+01	1.224e-03	6.079e+01	1.767e-01
24	25028	1.108868e+01	1.209e-03	6.152e+01	3.123e-01
25	26029	1.133228e+01	1.177e-03	6.400e+01	1.501e+00
26	27030	1.180606e+01	1.122e-03	6.569e+01	1.379e+00
27	28031	1.227603e+01	1.096e-03	6.660e+01	1.797e+00
28	29032	1.274380e+01	1.049e-03	6.693e+01	1.895e+00
29	30033	1.356969e+01	9.824e-04	6.611e+01	2.720e+00
30	31035	1.360103e+01	9.786e-04	6.603e+01	1.136e-01

| | | | | First-order | Norm of |
Iter	F-count	f(x)	Feasibility	optimality	step
31	32036	1.396661e+01	9.564e-04	6.546e+01	1.363e+00
32	33038	1.441717e+01	9.410e-04	6.455e+01	2.181e+00
33	34039	1.493066e+01	9.075e-04	6.566e+01	1.404e+00
34	35040	1.520233e+01	8.756e-04	6.565e+01	1.794e+00
35	36041	1.524095e+01	8.541e-04	6.559e+01	1.266e+00
36	37042	1.552584e+01	8.282e-04	6.669e+01	1.709e+00
37	38043	1.577599e+01	9.551e-04	6.687e+01	1.372e+00
38	39044	1.596249e+01	9.410e-04	6.692e+01	6.621e-01
39	40045	1.649131e+01	9.060e-04	6.713e+01	1.618e+00
40	41046	1.678734e+01	8.913e-04	6.731e+01	9.604e-01
41	42047	1.694746e+01	9.258e-04	6.732e+01	1.047e+00
42	43049	1.731889e+01	1.146e-03	6.896e+01	3.071e+00

Iter	F-count	f(x)	Feasibility	First-order optimality	Norm of step
43	44050	1.771557e+01	1.003e-03	6.841e+01	3.041e+00
44	45051	1.820857e+01	9.174e-04	6.930e+01	1.957e+00
45	46052	1.865435e+01	8.668e-04	6.942e+01	1.059e+00
46	47053	1.941186e+01	7.763e-04	6.994e+01	2.048e+00
47	48054	1.968096e+01	7.441e-04	7.025e+01	1.176e+00
48	49055	1.997062e+01	7.082e-04	7.083e+01	8.821e-01
49	50056	2.019833e+01	7.072e-04	7.131e+01	1.051e+00
50	51058	2.050702e+01	1.006e-03	7.187e+01	1.987e+00
51	52059	2.084137e+01	1.180e-03	7.207e+01	2.037e+00
52	53060	2.097027e+01	1.144e-03	7.210e+01	4.801e-01
53	54061	2.153244e+01	1.093e-03	7.183e+01	2.348e+00
54	55062	2.181141e+01	9.390e-04	7.153e+01	1.014e+00
55	56063	2.226855e+01	8.154e-04	7.127e+01	2.293e+00
56	57064	2.281368e+01	7.466e-04	7.098e+01	2.612e+00
57	58065	2.293335e+01	5.995e-04	7.101e+01	1.809e+00
58	59066	2.285980e+01	4.826e-04	7.049e+01	2.989e+00
59	60067	2.182827e+01	4.775e-04	6.939e+01	3.160e+00
60	61068	2.154223e+01	3.456e-04	7.015e+01	2.278e+00

Iter	F-count	f(x)	Feasibility	First-order optimality	Norm of step
61	62069	2.150953e+01	2.608e-04	6.980e+01	2.476e+00
62	63071	2.079349e+01	1.283e-04	6.943e+01	3.201e+00
63	64072	2.052032e+01	1.105e-04	6.939e+01	2.106e+00
64	65074	2.041737e+01	6.927e-05	6.931e+01	2.718e+00
65	66075	2.042241e+01	7.346e-05	6.928e+01	1.163e+00
66	67077	2.015210e+01	3.606e-05	6.918e+01	2.549e+00
67	68078	2.020699e+01	5.088e-05	6.912e+01	1.151e+00
68	69080	2.008875e+01	3.822e-05	6.882e+01	2.252e+00
69	70081	1.998098e+01	6.959e-05	6.876e+01	1.060e+00
70	71083	1.986162e+01	6.669e-06	6.901e+01	1.951e+00
71	72085	1.976317e+01	3.972e-05	6.897e+01	1.786e+00
72	73086	1.961118e+01	5.948e-05	6.887e+01	1.141e+00
73	74088	1.955573e+01	9.209e-06	6.876e+01	2.021e+00
74	75090	1.931869e+01	6.763e-06	6.877e+01	1.754e+00
75	76092	1.934281e+01	2.999e-06	6.329e+01	1.026e+00
76	77094	1.923607e+01	2.897e-06	5.727e+01	1.048e+00
77	78095	1.924654e+01	7.735e-06	5.403e+01	5.271e-01
78	79097	1.912852e+01	1.957e-06	5.159e+01	1.025e+00
79	80099	1.914221e+01	5.547e-07	4.802e+01	7.221e-01
80	81101	1.911657e+01	2.882e-06	4.497e+01	1.121e+00
81	82103	1.918682e+01	8.228e-07	3.998e+01	1.070e+00
82	83105	1.927422e+01	3.224e-06	3.574e+01	1.273e+00
83	84107	1.928325e+01	9.076e-07	3.239e+01	8.730e-01
84	85109	1.924630e+01	1.717e-06	3.030e+01	1.106e+00
85	86111	1.919322e+01	4.686e-07	2.913e+01	7.603e-01
86	87113	1.911590e+01	8.023e-07	2.780e+01	7.821e-01
87	88115	1.909539e+01	5.453e-07	2.685e+01	6.312e-01
88	89117	1.906637e+01	6.748e-07	2.660e+01	8.103e-01
89	90119	1.909702e+01	1.556e-06	2.570e+01	8.618e-01
90	91121	1.906374e+01	4.189e-07	2.525e+01	7.107e-01

| | | | | First-order | Norm of |

Iter	F-count	f(x)	Feasibility	optimality	step
91	92123	1.908223e+01	7.457e-07	2.240e+01	8.690e-01
92	93125	1.904027e+01	7.355e-07	2.194e+01	8.064e-01
93	94127	1.905140e+01	9.263e-07	1.909e+01	9.131e-01
94	95129	1.901161e+01	1.461e-06	1.886e+01	1.103e+00
95	96131	1.903198e+01	7.304e-07	1.727e+01	1.024e+00
96	97133	1.900142e+01	1.226e-06	1.712e+01	1.113e+00
97	98135	1.902045e+01	6.731e-07	1.726e+01	9.277e-01
98	99137	1.897347e+01	1.454e-06	1.731e+01	1.134e+00
99	100139	1.897389e+01	1.249e-06	1.666e+01	1.140e+00
100	101141	1.886922e+01	7.843e-07	1.662e+01	1.249e+00
101	102143	1.885267e+01	8.550e-07	1.551e+01	8.496e-01
102	103145	1.877572e+01	2.415e-06	1.558e+01	1.092e+00
103	104147	1.879751e+01	3.384e-07	1.569e+01	6.030e-01
104	105149	1.879234e+01	2.738e-06	1.581e+01	1.103e+00
105	106151	1.878438e+01	1.296e-06	1.587e+01	9.110e-01
106	107153	1.878851e+01	1.791e-06	1.505e+01	9.835e-01
107	108154	1.877145e+01	2.928e-06	1.506e+01	4.659e-01
108	109156	1.878342e+01	1.692e-06	1.377e+01	1.231e+00
109	110158	1.878919e+01	1.556e-07	1.377e+01	3.828e-01
110	111160	1.881825e+01	6.386e-07	1.255e+01	8.805e-01
111	112161	1.691258e+01	1.933e-04	1.228e+01	1.903e+00
112	113162	1.543293e+01	1.513e-04	1.215e+01	1.544e+00
113	114163	1.515559e+01	3.517e-05	1.258e+01	1.340e+00
114	115164	1.499631e+01	2.277e-05	1.034e+01	1.680e+00
115	116165	1.493321e+01	1.255e-05	1.100e+01	8.172e-01
116	117166	1.486971e+01	1.381e-04	6.413e+00	1.312e+00
117	118167	1.485349e+01	1.581e-05	6.490e+00	5.803e-01
118	119168	1.480352e+01	2.174e-05	6.438e+00	1.011e+00
119	120169	1.479171e+01	5.679e-06	6.423e+00	4.094e-01
120	121170	1.471188e+01	2.436e-05	6.871e+00	1.259e+00

Iter	F-count	f(x)	Feasibility	First-order optimality	Norm of step
121	122171	1.474120e+01	4.641e-06	6.713e+00	3.947e-01
122	123172	1.466962e+01	1.065e-05	6.271e+00	8.912e-01
123	124173	1.468856e+01	4.917e-06	6.268e+00	4.560e-01
124	125174	1.462653e+01	1.126e-05	5.734e+00	9.522e-01
125	126175	1.464614e+01	2.217e-06	5.736e+00	4.055e-01
126	127176	1.460168e+01	5.535e-06	5.453e+00	7.706e-01
127	128177	1.461595e+01	1.361e-06	5.452e+00	3.109e-01
128	129178	1.459344e+01	1.086e-05	4.905e+00	7.339e-01
129	130179	1.460876e+01	1.292e-06	4.904e+00	1.978e-01
130	131180	1.460626e+01	1.714e-06	4.908e+00	4.023e-01
131	132181	1.460355e+01	1.569e-06	4.886e+00	3.365e-01
132	133182	1.460237e+01	2.915e-06	5.251e+00	5.648e-01
133	134183	1.460065e+01	1.290e-06	4.757e+00	2.572e-01
134	135184	1.459562e+01	4.134e-06	5.099e+00	5.246e-01
135	136185	1.459904e+01	3.040e-06	4.717e+00	3.159e-01
136	137186	1.459777e+01	7.098e-06	4.883e+00	5.151e-01
137	138187	1.460769e+01	1.220e-06	4.601e+00	1.880e-01
138	139188	1.460632e+01	2.071e-06	4.426e+00	3.636e-01
139	140189	1.461400e+01	3.288e-06	4.210e+00	2.532e-01

Iter	F-count	f(x)	Feasibility	First-order optimality	Norm of step
140	141190	1.459168e+01	7.592e-06	4.125e+00	7.690e-01
141	142192	1.460154e+01	4.402e-06	4.083e+00	2.214e-01
142	143193	1.459132e+01	3.732e-06	4.080e+00	4.721e-01
143	144194	1.460737e+01	4.197e-06	4.076e+00	2.645e-01
144	145195	1.459063e+01	4.076e-06	4.079e+00	6.221e-01
145	146197	1.460024e+01	2.576e-06	4.081e+00	1.179e-01
146	147198	1.459656e+01	3.930e-06	4.092e+00	3.525e-01
147	148200	1.460517e+01	2.007e-06	4.091e+00	1.511e-01
148	149201	1.460611e+01	1.174e-06	4.089e+00	3.969e-01
149	150202	1.461449e+01	1.176e-06	4.253e+00	1.857e-01
150	151203	1.460485e+01	7.170e-07	4.127e+00	3.470e-01

Iter	F-count	f(x)	Feasibility	First-order optimality	Norm of step
151	152204	1.460970e+01	9.297e-07	4.129e+00	1.439e-01
152	153205	1.460130e+01	1.477e-06	3.983e+00	3.746e-01
153	154206	1.460285e+01	5.550e-07	3.897e+00	1.471e-01
154	155207	1.459882e+01	1.621e-06	3.854e+00	3.919e-01
155	156208	1.459635e+01	1.571e-07	3.688e+00	1.263e-01
156	157209	1.458671e+01	2.918e-06	3.730e+00	3.908e-01
157	158210	1.458744e+01	2.134e-07	3.548e+00	1.334e-01
158	159211	1.458357e+01	9.921e-07	3.564e+00	3.063e-01
159	160212	1.458365e+01	1.345e-07	3.352e+00	9.867e-02
160	161213	1.457386e+01	6.831e-06	3.364e+00	5.078e-01
161	162214	1.457391e+01	4.062e-07	3.046e+00	1.954e-01
162	163215	1.457102e+01	7.953e-07	3.051e+00	2.554e-01
163	164216	1.456806e+01	3.581e-07	2.831e+00	1.629e-01
164	165217	1.456503e+01	9.720e-07	2.726e+00	2.510e-01
165	166218	1.348066e+01	1.810e-04	3.719e+00	1.810e+00
166	167219	1.342076e+01	5.468e-05	3.775e+00	1.201e+00
167	168220	1.340863e+01	5.450e-06	3.331e+00	5.025e-01
168	169221	1.338947e+01	5.447e-06	2.500e+00	5.023e-01
169	170222	1.338186e+01	3.183e-06	2.541e+00	3.996e-01
170	171223	1.337384e+01	5.619e-06	2.209e+00	4.962e-01
171	172224	1.336751e+01	2.137e-06	1.953e+00	5.387e-01
172	173225	1.336134e+01	2.113e-06	1.865e+00	3.986e-01
173	174226	1.335573e+01	1.686e-06	1.553e+00	3.735e-01
174	175227	1.335262e+01	9.543e-07	1.580e+00	2.328e-01
175	176228	1.334908e+01	4.267e-07	1.303e+00	2.250e-01
176	177229	1.334642e+01	4.331e-07	1.196e+00	2.696e-01
177	178230	1.334388e+01	5.305e-07	1.150e+00	2.529e-01
178	179231	1.334212e+01	4.875e-07	1.144e+00	2.819e-01
179	180232	1.334116e+01	2.594e-07	1.132e+00	1.793e-01
180	181233	1.334015e+01	1.838e-07	1.130e+00	2.028e-01

Iter	F-count	f(x)	Feasibility	First-order optimality	Norm of step
181	182234	1.333919e+01	1.754e-07	1.112e+00	1.753e-01
182	183235	1.333777e+01	3.553e-07	1.172e+00	2.035e-01
183	184236	1.333722e+01	1.852e-07	1.134e+00	1.828e-01
184	185237	1.333665e+01	1.885e-07	1.133e+00	2.189e-01
185	186238	1.333701e+01	2.047e-07	1.155e+00	2.278e-01
186	187239	1.333689e+01	1.182e-07	1.181e+00	1.603e-01

187	188240	1.333720e+01	1.946e-07	1.216e+00	1.355e-01
188	189241	1.333665e+01	1.249e-07	1.211e+00	1.520e-01
189	190242	1.333661e+01	2.386e-07	1.189e+00	1.907e-01
190	191243	1.333586e+01	2.847e-07	1.092e+00	2.508e-01
191	192244	1.333581e+01	2.637e-07	1.001e+00	2.238e-01
192	193245	1.333564e+01	2.395e-07	9.677e-01	2.021e-01
193	194246	1.333580e+01	1.006e-07	9.390e-01	1.680e-01
194	195247	1.333594e+01	1.698e-07	9.471e-01	1.192e-01
195	196248	1.333579e+01	9.343e-08	9.493e-01	1.153e-01
196	197249	1.333583e+01	1.463e-07	9.532e-01	1.072e-01
197	198250	1.333537e+01	1.169e-07	9.479e-01	1.438e-01
198	199251	1.333521e+01	1.095e-07	9.523e-01	1.905e-01
199	200252	1.333445e+01	1.811e-07	9.317e-01	1.997e-01
200	201253	1.333423e+01	3.128e-07	9.353e-01	1.736e-01
201	202254	1.333356e+01	1.709e-07	9.040e-01	1.473e-01
202	203255	1.333341e+01	1.326e-07	9.086e-01	1.477e-01
203	204256	1.333322e+01	1.496e-07	9.023e-01	1.231e-01
204	205257	1.333358e+01	2.521e-07	9.021e-01	1.098e-01
205	206258	1.333360e+01	2.536e-07	8.976e-01	9.444e-02
206	207259	1.333379e+01	1.864e-07	8.983e-01	1.062e-01
207	208260	1.333359e+01	7.006e-08	8.970e-01	1.101e-01
208	209261	1.333366e+01	5.447e-08	9.200e-01	1.216e-01
209	210262	1.333344e+01	4.698e-08	9.197e-01	1.118e-01
210	211263	1.333354e+01	4.219e-08	9.216e-01	1.184e-01

Iter	F-count	f(x)	Feasibility	First-order optimality	Norm of step
211	212264	1.333293e+01	9.124e-08	9.218e-01	1.358e-01
212	213265	1.333269e+01	1.357e-07	9.152e-01	1.694e-01
213	214266	1.333125e+01	1.056e-07	8.869e-01	1.638e-01
214	215267	1.333112e+01	7.964e-08	8.324e-01	1.649e-01
215	216268	1.332977e+01	6.140e-08	7.867e-01	1.238e-01
216	217269	1.333033e+01	8.219e-08	7.206e-01	1.571e-01
217	218270	1.332930e+01	7.870e-08	6.871e-01	1.201e-01
218	219271	1.332993e+01	1.093e-07	6.578e-01	1.798e-01
219	220272	1.332894e+01	1.879e-07	6.160e-01	1.521e-01
220	221273	1.332961e+01	1.056e-07	6.197e-01	1.647e-01
221	222274	1.332910e+01	9.700e-08	6.248e-01	1.276e-01
222	223275	1.332945e+01	4.083e-08	6.269e-01	1.262e-01
223	224276	1.332893e+01	7.564e-08	6.245e-01	1.092e-01
224	225277	1.332903e+01	6.796e-08	6.092e-01	1.335e-01
225	226278	1.332850e+01	9.196e-08	5.910e-01	1.338e-01
226	227279	1.332870e+01	7.795e-08	5.723e-01	1.292e-01
227	228280	1.332835e+01	5.244e-08	5.516e-01	9.994e-02
228	229281	1.332831e+01	4.131e-08	5.432e-01	1.065e-01
229	230282	1.310893e+01	3.331e-05	2.993e+00	1.248e+00
230	231283	1.309113e+01	1.047e-05	1.142e+00	5.049e-01
231	232284	1.308408e+01	1.348e-06	7.283e-01	2.003e-01
232	233285	1.308057e+01	1.325e-06	5.835e-01	2.167e-01
233	234286	1.307959e+01	6.064e-07	5.123e-01	1.611e-01
234	235287	1.307882e+01	4.097e-07	5.493e-01	1.825e-01
235	236288	1.307703e+01	3.482e-07	5.606e-01	2.099e-01
236	237289	1.307575e+01	2.742e-07	5.429e-01	1.879e-01

237	238290	1.307414e+01	1.487e-07	5.891e-01	1.894e-01
238	239291	1.307337e+01	1.361e-07	5.894e-01	1.583e-01
239	240292	1.307264e+01	9.244e-08	5.671e-01	1.356e-01
240	241293	1.307243e+01	1.007e-07	5.438e-01	8.622e-02

Iter	F-count	f(x)	Feasibility	First-order optimality	Norm of step
241	242294	1.307213e+01	6.744e-08	4.686e-01	7.227e-02
242	243295	1.307197e+01	6.531e-08	4.541e-01	7.953e-02
243	244296	1.307166e+01	5.323e-08	4.074e-01	1.055e-01
244	245297	1.307147e+01	4.136e-08	4.238e-01	9.510e-02
245	246298	1.307131e+01	3.877e-08	3.944e-01	8.480e-02
246	247299	1.307125e+01	3.584e-08	4.147e-01	7.733e-02
247	248300	1.307117e+01	2.031e-08	4.033e-01	8.704e-02
248	249301	1.307109e+01	2.519e-08	4.128e-01	8.825e-02
249	250302	1.307097e+01	2.820e-08	3.944e-01	9.382e-02
250	251303	1.307086e+01	3.730e-08	3.830e-01	8.032e-02
251	252304	1.307079e+01	2.154e-08	3.536e-01	7.095e-02
252	253305	1.307074e+01	2.605e-08	3.377e-01	6.222e-02
253	254306	1.307069e+01	2.027e-08	3.044e-01	6.470e-02
254	255307	1.307056e+01	4.673e-08	2.447e-01	7.356e-02
255	256308	1.307037e+01	5.184e-08	2.385e-01	8.419e-02
256	257309	1.307012e+01	8.536e-08	2.341e-01	8.787e-02
257	258310	1.306990e+01	1.065e-07	2.313e-01	8.245e-02
258	259311	1.306969e+01	5.990e-08	2.289e-01	7.345e-02
259	260312	1.306950e+01	3.641e-08	2.267e-01	6.882e-02
260	261313	1.306931e+01	2.230e-08	2.240e-01	6.262e-02
261	262314	1.306911e+01	1.990e-08	2.238e-01	5.860e-02
262	263315	1.306893e+01	2.130e-08	2.178e-01	5.768e-02
263	264316	1.306878e+01	1.172e-08	2.113e-01	6.140e-02
264	265317	1.306865e+01	1.551e-08	2.008e-01	6.242e-02
265	266318	1.306857e+01	2.317e-08	1.924e-01	5.469e-02
266	267319	1.306851e+01	1.489e-08	1.850e-01	4.862e-02
267	268320	1.306848e+01	1.210e-08	1.832e-01	5.710e-02
268	269321	1.306844e+01	9.634e-09	1.838e-01	6.385e-02
269	270322	1.306841e+01	6.010e-09	1.891e-01	5.783e-02
270	271323	1.306837e+01	6.889e-09	1.931e-01	4.165e-02

Iter	F-count	f(x)	Feasibility	First-order optimality	Norm of step
271	272324	1.306835e+01	7.796e-09	1.986e-01	3.857e-02
272	273325	1.306832e+01	9.278e-09	1.976e-01	5.178e-02
273	274326	1.306830e+01	2.869e-08	1.960e-01	6.220e-02
274	275327	1.306827e+01	2.061e-08	1.940e-01	5.532e-02
275	276328	1.306823e+01	1.208e-08	2.040e-01	4.745e-02
276	277329	1.306817e+01	4.574e-09	2.026e-01	5.525e-02
277	278330	1.306809e+01	5.328e-09	2.019e-01	7.406e-02
278	279331	1.306797e+01	8.196e-09	2.047e-01	8.394e-02
279	280332	1.306786e+01	7.624e-09	2.188e-01	7.617e-02
280	281333	1.306775e+01	1.434e-08	2.068e-01	5.749e-02
281	282334	1.306771e+01	1.821e-08	2.062e-01	5.669e-02
282	283335	1.306765e+01	1.571e-08	1.995e-01	6.369e-02
283	284336	1.306763e+01	2.156e-08	1.944e-01	7.175e-02

Iter	F-count	f(x)	Feasibility	First-order optimality	Norm of step
284	285337	1.306756e+01	1.339e-08	1.857e-01	7.480e-02
285	286338	1.306753e+01	1.235e-08	1.829e-01	7.438e-02
286	287339	1.306745e+01	7.700e-09	1.782e-01	6.507e-02
287	288340	1.306740e+01	7.938e-09	1.783e-01	5.308e-02
288	289341	1.306729e+01	1.059e-08	1.740e-01	5.095e-02
289	290342	1.306722e+01	1.567e-08	1.721e-01	5.588e-02
290	291343	1.306713e+01	5.426e-09	1.708e-01	5.311e-02
291	292344	1.306710e+01	6.750e-09	1.704e-01	4.164e-02
292	293345	1.306706e+01	1.134e-08	1.836e-01	3.867e-02
293	294346	1.306707e+01	1.251e-08	1.840e-01	5.121e-02
294	295347	1.306707e+01	1.048e-08	1.916e-01	5.571e-02
295	296348	1.306711e+01	7.519e-09	1.886e-01	4.863e-02
296	297349	1.306713e+01	4.510e-09	1.891e-01	3.328e-02
297	298350	1.306716e+01	2.543e-09	1.885e-01	2.844e-02
298	299351	1.306716e+01	2.793e-09	1.851e-01	3.590e-02
299	300352	1.306716e+01	2.785e-09	1.843e-01	4.190e-02
300	301353	1.306714e+01	3.286e-09	1.842e-01	3.999e-02

Iter	F-count	f(x)	Feasibility	First-order optimality	Norm of step
301	302354	1.306713e+01	1.745e-09	1.842e-01	3.400e-02
302	303355	1.306711e+01	1.715e-09	1.842e-01	3.337e-02
303	304356	1.306710e+01	1.557e-09	1.842e-01	3.346e-02
304	305357	1.306710e+01	1.929e-09	2.082e-01	3.025e-02
305	306358	1.306710e+01	2.524e-09	2.203e-01	2.929e-02
306	307359	1.306710e+01	2.982e-09	2.202e-01	3.248e-02
307	308360	1.306710e+01	2.687e-09	2.144e-01	3.787e-02
308	309361	1.306710e+01	3.197e-09	2.065e-01	4.197e-02
309	310362	1.306710e+01	3.312e-09	1.970e-01	4.091e-02
310	311363	1.306710e+01	3.279e-09	1.925e-01	3.928e-02
311	312364	1.306710e+01	4.830e-09	1.914e-01	3.734e-02
312	313365	1.306708e+01	4.880e-09	1.904e-01	4.175e-02
313	314366	1.306706e+01	4.623e-09	1.983e-01	5.256e-02
314	315367	1.306703e+01	6.208e-09	2.016e-01	6.617e-02
315	316368	1.306699e+01	5.607e-09	2.057e-01	7.054e-02
316	317369	1.306697e+01	5.435e-09	2.075e-01	5.523e-02
317	318370	1.306696e+01	6.309e-09	2.049e-01	4.137e-02
318	319371	1.306697e+01	5.787e-09	1.982e-01	4.227e-02
319	320372	1.306697e+01	4.425e-09	1.938e-01	5.325e-02
320	321373	1.306696e+01	8.762e-09	1.937e-01	6.476e-02
321	322374	1.306695e+01	7.761e-09	2.001e-01	6.733e-02
322	323375	1.306697e+01	4.683e-09	2.046e-01	5.976e-02
323	324376	1.306700e+01	4.452e-09	2.106e-01	5.097e-02
324	325377	1.306703e+01	2.436e-09	2.138e-01	4.138e-02
325	326378	1.306705e+01	3.101e-09	2.130e-01	3.028e-02
326	327379	1.306704e+01	3.161e-09	2.037e-01	2.786e-02
327	328380	1.306702e+01	2.604e-09	2.023e-01	3.910e-02
328	329381	1.306699e+01	4.283e-09	2.025e-01	5.065e-02
329	330382	1.306696e+01	4.728e-09	2.013e-01	4.911e-02
330	331383	1.306694e+01	3.072e-09	1.978e-01	3.863e-02

Iter	F-count	f(x)	Feasibility	First-order optimality	Norm of step

331	332384	1.306694e+01	2.347e-09	1.935e-01	3.142e-02
332	333385	1.306695e+01	2.540e-09	1.892e-01	3.320e-02
333	334386	1.306695e+01	3.975e-09	1.860e-01	3.695e-02
334	335387	1.306695e+01	2.784e-09	1.849e-01	3.766e-02
335	336388	1.306694e+01	3.243e-09	1.851e-01	3.444e-02
336	337389	1.306692e+01	3.367e-09	1.896e-01	3.445e-02
337	338390	1.306692e+01	2.536e-09	1.885e-01	3.672e-02
338	339391	1.306693e+01	5.194e-09	1.984e-01	3.744e-02
339	340392	1.306696e+01	5.761e-09	2.016e-01	3.583e-02
340	341393	1.306697e+01	3.820e-09	2.038e-01	3.740e-02
341	342394	1.306698e+01	4.360e-09	2.028e-01	4.397e-02
342	343395	1.306696e+01	4.687e-09	2.083e-01	4.722e-02
343	344396	1.306694e+01	3.605e-09	2.087e-01	4.673e-02
344	345397	1.306693e+01	8.360e-09	2.148e-01	4.679e-02
345	346398	1.306693e+01	1.116e-08	2.182e-01	4.468e-02
346	347399	1.306695e+01	4.689e-09	2.201e-01	3.693e-02
347	348400	1.306698e+01	2.511e-09	2.196e-01	3.092e-02
348	349401	1.306701e+01	2.869e-09	2.171e-01	3.053e-02
349	350402	1.306702e+01	2.379e-09	2.140e-01	3.123e-02
350	351403	1.306702e+01	1.503e-09	2.114e-01	3.658e-02
351	352404	1.306700e+01	3.098e-09	2.102e-01	4.369e-02
352	353405	1.306698e+01	4.630e-09	2.102e-01	5.419e-02
353	354406	1.306698e+01	3.608e-09	2.114e-01	5.860e-02
354	355407	1.306699e+01	4.068e-09	2.122e-01	5.444e-02
355	356408	1.306703e+01	7.123e-09	2.123e-01	5.069e-02
356	357409	1.306704e+01	6.253e-09	2.114e-01	4.208e-02
357	358410	1.306704e+01	6.150e-09	2.104e-01	3.416e-02
358	359411	1.306701e+01	3.465e-09	2.096e-01	3.369e-02
359	360412	1.306700e+01	1.962e-09	2.094e-01	3.959e-02
360	361413	1.306696e+01	4.361e-09	2.093e-01	4.722e-02

Iter	F-count	f(x)	Feasibility	First-order optimality	Norm of step
361	362414	1.306697e+01	6.341e-09	2.086e-01	6.247e-02
362	363415	1.306694e+01	5.219e-09	2.465e-01	6.537e-02
363	364416	1.306697e+01	6.066e-09	2.593e-01	7.368e-02
364	365417	1.306695e+01	5.789e-09	2.972e-01	5.691e-02
365	366418	1.306702e+01	5.578e-09	2.183e-01	6.130e-02
366	367419	1.306701e+01	7.410e-09	2.104e-01	5.928e-02
367	368420	1.306715e+01	1.449e-08	2.165e-01	9.013e-02
368	369421	1.306715e+01	1.270e-08	2.414e-01	9.178e-02
369	370422	1.306733e+01	1.314e-08	3.164e-01	1.262e-01
370	371423	1.306732e+01	3.035e-08	4.017e-01	7.880e-02
371	372424	1.306747e+01	8.276e-09	3.789e-01	7.478e-02
372	373425	1.306741e+01	1.106e-08	2.705e-01	5.046e-02
373	374426	1.306751e+01	3.705e-09	2.350e-01	4.021e-02
374	375427	1.306745e+01	1.113e-08	2.348e-01	5.782e-02
375	376428	1.306753e+01	4.086e-09	2.432e-01	5.073e-02
376	377429	1.306749e+01	4.395e-09	2.424e-01	5.350e-02
377	378430	1.306754e+01	2.681e-09	2.491e-01	4.575e-02
378	379431	1.306750e+01	4.437e-09	2.608e-01	4.905e-02
379	380432	1.306756e+01	2.839e-09	3.398e-01	4.420e-02
380	381433	1.306752e+01	4.301e-09	2.506e-01	5.211e-02

Iter	F-count	f(x)	Feasibility	First-order optimality	Norm of step
381	382434	1.306754e+01	3.459e-09	2.478e-01	4.676e-02
382	383435	1.306747e+01	9.263e-09	2.407e-01	6.009e-02
383	384436	1.306747e+01	8.529e-09	2.337e-01	7.141e-02
384	385437	1.306741e+01	7.275e-09	2.245e-01	7.368e-02
385	386438	1.306741e+01	7.727e-09	2.693e-01	8.294e-02
386	387439	1.306739e+01	6.740e-09	2.240e-01	6.127e-02
387	388440	1.306745e+01	5.160e-09	3.056e-01	5.931e-02
388	389441	1.306744e+01	2.571e-09	2.225e-01	5.253e-02
389	390442	1.306748e+01	5.656e-09	2.259e-01	4.964e-02
390	391443	1.306742e+01	3.049e-09	2.257e-01	5.280e-02

Iter	F-count	f(x)	Feasibility	First-order optimality	Norm of step
391	392444	1.306741e+01	1.286e-08	2.253e-01	7.315e-02
392	393445	1.306728e+01	6.633e-09	2.196e-01	5.478e-02
393	394446	1.306726e+01	2.462e-08	3.539e-01	1.195e-01
394	395447	1.306716e+01	9.180e-09	2.957e-01	7.141e-02
395	396448	1.306719e+01	1.766e-08	3.643e-01	8.534e-02
396	397449	1.306713e+01	8.594e-09	2.366e-01	7.032e-02
397	398450	1.306712e+01	1.109e-08	2.480e-01	6.021e-02
398	399451	1.306708e+01	2.942e-09	2.123e-01	6.208e-02
399	400452	1.306708e+01	9.106e-09	2.127e-01	5.765e-02
400	401453	1.306707e+01	4.387e-09	2.158e-01	2.929e-02
401	402454	1.306709e+01	2.727e-09	2.158e-01	4.326e-02
402	403455	1.306710e+01	3.605e-09	2.124e-01	3.587e-02
403	404456	1.306712e+01	3.465e-09	2.342e-01	4.753e-02
404	405457	1.306711e+01	2.827e-09	2.591e-01	4.465e-02
405	406458	1.306711e+01	3.084e-09	2.484e-01	4.921e-02
406	407459	1.306709e+01	1.025e-08	1.928e-01	5.886e-02
407	408460	1.306709e+01	1.042e-08	1.955e-01	5.835e-02
408	409461	1.306708e+01	9.131e-09	2.017e-01	5.233e-02
409	410462	1.306706e+01	3.685e-09	2.086e-01	5.169e-02
410	411463	1.306702e+01	2.881e-09	2.114e-01	4.179e-02
411	412464	1.306698e+01	4.412e-09	2.135e-01	5.250e-02
412	413465	1.306694e+01	2.631e-09	2.157e-01	4.174e-02
413	414466	1.306691e+01	3.049e-09	2.789e-01	5.549e-02
414	415467	1.306689e+01	3.897e-09	2.820e-01	5.030e-02
415	416468	1.306688e+01	6.875e-09	2.170e-01	5.464e-02
416	417469	1.306688e+01	5.897e-09	2.183e-01	4.549e-02
417	418470	1.306689e+01	3.378e-09	2.207e-01	4.721e-02
418	419471	1.306687e+01	4.582e-09	2.149e-01	4.716e-02
419	420472	1.306685e+01	5.337e-09	2.598e-01	7.709e-02
420	421473	1.306680e+01	6.467e-09	2.002e-01	7.176e-02

Iter	F-count	f(x)	Feasibility	First-order optimality	Norm of step
421	422474	1.306676e+01	9.094e-09	3.738e-01	9.547e-02
422	423475	1.306673e+01	9.594e-09	4.330e-01	6.301e-02
423	424476	1.306673e+01	7.511e-09	4.063e-01	6.511e-02
424	425477	1.306673e+01	4.575e-09	2.105e-01	3.888e-02
425	426478	1.306674e+01	3.462e-09	2.774e-01	4.664e-02
426	427479	1.306673e+01	2.204e-09	1.806e-01	2.743e-02
427	428480	1.306672e+01	2.888e-09	1.856e-01	5.233e-02

Iter	F-count	f(x)	Feasibility	First-order optimality	Norm of step
428	429481	1.306670e+01	2.210e-09	1.813e-01	3.944e-02
429	430482	1.306666e+01	5.871e-09	3.377e-01	8.001e-02
430	431483	1.306661e+01	7.114e-09	6.038e-01	7.817e-02
431	432484	1.306653e+01	8.521e-09	5.960e-01	9.906e-02
432	433485	1.306646e+01	1.147e-08	4.987e-01	8.630e-02
433	434486	1.306641e+01	1.249e-08	3.244e-01	8.561e-02
434	435487	1.306640e+01	5.101e-09	2.185e-01	8.547e-02
435	436488	1.306641e+01	6.599e-09	2.620e-01	1.156e-01
436	437489	1.306643e+01	1.112e-08	2.630e-01	1.244e-01
437	438490	1.306645e+01	9.489e-09	5.125e-01	1.309e-01
438	439491	1.306647e+01	7.434e-09	6.501e-01	9.047e-02
439	440492	1.306647e+01	3.656e-09	4.825e-01	6.627e-02
440	441493	1.306646e+01	2.476e-09	2.700e-01	4.392e-02
441	442494	1.306645e+01	3.722e-09	2.431e-01	4.087e-02
442	443495	1.306643e+01	2.499e-09	1.990e-01	4.442e-02
443	444496	1.306641e+01	3.872e-09	2.318e-01	7.045e-02
444	445497	1.306639e+01	4.391e-09	2.350e-01	8.559e-02
445	446498	1.306638e+01	6.825e-09	4.333e-01	1.072e-01
446	447499	1.306635e+01	1.020e-08	6.360e-01	8.540e-02
447	448500	1.306633e+01	7.467e-09	5.226e-01	9.277e-02
448	449501	1.306629e+01	9.109e-09	4.883e-01	6.574e-02
449	450502	1.306628e+01	8.665e-09	4.382e-01	8.142e-02
450	451503	1.306625e+01	5.901e-09	2.105e-01	6.892e-02

Iter	F-count	f(x)	Feasibility	First-order optimality	Norm of step
451	452504	1.306629e+01	6.972e-09	3.787e-01	9.322e-02
452	453505	1.306626e+01	3.126e-09	2.599e-01	6.054e-02
453	454506	1.306629e+01	9.822e-09	5.246e-01	1.009e-01
454	455507	1.306622e+01	4.322e-09	5.258e-01	4.420e-02
455	456508	1.306620e+01	1.397e-08	7.478e-01	1.095e-01
456	457509	1.306608e+01	7.435e-09	6.555e-01	5.846e-02
457	458510	1.306607e+01	2.031e-08	6.928e-01	1.286e-01
458	459511	1.306599e+01	9.829e-09	6.214e-01	9.330e-02
459	460512	1.306608e+01	2.714e-08	5.757e-01	1.607e-01
460	461513	1.306609e+01	8.181e-09	6.352e-01	1.042e-01
461	462514	1.306616e+01	2.648e-08	5.213e-01	1.474e-01
462	463515	1.306611e+01	1.268e-08	5.717e-01	7.637e-02
463	464516	1.306616e+01	2.379e-08	4.223e-01	1.198e-01
464	465517	1.306608e+01	2.267e-08	2.724e-01	8.283e-02
465	466518	1.306612e+01	1.486e-08	3.136e-01	9.435e-02
466	467519	1.306609e+01	9.678e-09	2.122e-01	6.065e-02
467	468520	1.306614e+01	7.569e-09	2.779e-01	8.373e-02
468	469521	1.306613e+01	5.739e-09	1.728e-01	5.614e-02
469	470522	1.306615e+01	5.299e-09	2.928e-01	8.838e-02
470	471523	1.306612e+01	4.093e-09	1.701e-01	5.822e-02
471	472524	1.306612e+01	3.678e-09	1.810e-01	6.822e-02
472	473525	1.306609e+01	5.022e-09	1.123e-01	5.399e-02
473	474526	1.306609e+01	4.370e-09	1.321e-01	7.866e-02
474	475527	1.306607e+01	7.708e-09	1.040e-01	7.124e-02
475	476528	1.302142e+01	1.235e-05	3.175e+00	7.208e-01
476	477529	1.300594e+01	4.639e-06	4.749e+00	4.291e-01
477	478530	1.300061e+01	8.423e-07	4.752e+00	2.919e-01

Iter	F-count	f(x)	Feasibility	First-order optimality	Norm of step
478	479531	1.300095e+01	5.648e-08	9.028e-01	1.828e-01
479	480532	1.300081e+01	2.650e-08	5.142e-01	2.793e-01
480	481533	1.300078e+01	1.368e-08	4.095e-01	1.940e-01

Iter	F-count	f(x)	Feasibility	First-order optimality	Norm of step
481	482534	1.300075e+01	2.845e-08	9.094e-01	2.646e-01
482	483535	1.300074e+01	5.247e-09	9.765e-01	1.511e-01
483	484536	1.300070e+01	5.337e-09	9.798e-01	1.409e-01
484	485537	1.300068e+01	2.279e-09	9.027e-01	8.420e-02
485	486538	1.300066e+01	1.792e-09	8.803e-01	7.810e-02
486	487539	1.300065e+01	1.155e-09	8.225e-01	6.557e-02
487	488540	1.300066e+01	1.386e-09	6.480e-01	5.877e-02
488	489541	1.300067e+01	1.115e-09	4.246e-01	4.549e-02
489	490542	1.300068e+01	2.444e-09	2.105e-01	4.360e-02
490	491543	1.300067e+01	1.706e-09	2.067e-01	4.116e-02
491	492544	1.300066e+01	4.549e-10	2.473e-01	3.818e-02
492	493545	1.300065e+01	5.326e-10	2.503e-01	3.528e-02
493	494546	1.300063e+01	5.724e-10	2.628e-01	4.010e-02
494	495547	1.300062e+01	6.166e-10	3.073e-01	4.369e-02
495	496548	1.300062e+01	9.791e-10	4.143e-01	5.332e-02
496	497549	1.300062e+01	1.051e-09	4.443e-01	5.592e-02
497	498550	1.300063e+01	1.412e-09	4.281e-01	5.579e-02
498	499551	1.300064e+01	1.447e-09	2.776e-01	5.151e-02
499	500552	1.300063e+01	1.142e-09	1.518e-01	4.747e-02
500	501553	1.300062e+01	6.756e-10	2.020e-01	4.396e-02
501	502554	1.300061e+01	7.372e-10	2.196e-01	4.573e-02
502	503555	1.300060e+01	6.726e-10	2.111e-01	4.385e-02
503	504556	1.300059e+01	7.592e-10	1.751e-01	4.232e-02
504	505557	1.300058e+01	1.065e-09	1.002e-01	4.624e-02
505	506558	1.300058e+01	1.209e-09	1.604e-01	6.042e-02
506	507559	1.300058e+01	1.505e-09	2.713e-01	8.125e-02
507	508560	1.300058e+01	1.371e-09	3.211e-01	8.584e-02
508	509561	1.300058e+01	1.452e-09	2.774e-01	6.127e-02
509	510562	1.300058e+01	1.060e-09	2.146e-01	3.867e-02
510	511563	1.300058e+01	6.292e-10	1.799e-01	4.138e-02

Iter	F-count	f(x)	Feasibility	First-order optimality	Norm of step
511	512564	1.300058e+01	4.632e-10	2.351e-01	5.085e-02
512	513565	1.300058e+01	6.295e-10	3.199e-01	5.672e-02
513	514566	1.300059e+01	4.153e-10	3.074e-01	4.416e-02
514	515567	1.300059e+01	3.897e-10	2.429e-01	3.200e-02
515	516568	1.300059e+01	3.422e-10	1.790e-01	2.368e-02
516	517569	1.300059e+01	1.123e-09	1.112e-01	3.007e-02
517	518570	1.300059e+01	2.099e-09	9.340e-02	3.270e-02
518	519571	1.300059e+01	1.486e-09	1.063e-01	3.392e-02
519	520572	1.300059e+01	5.048e-10	1.467e-01	2.511e-02
520	521573	1.300059e+01	6.154e-10	1.256e-01	2.227e-02
521	522574	1.300059e+01	1.269e-09	1.115e-01	3.023e-02
522	523575	1.300059e+01	1.014e-09	2.496e-01	3.958e-02
523	524576	1.300058e+01	4.100e-10	3.906e-01	4.153e-02
524	525577	1.300058e+01	3.599e-10	4.020e-01	3.230e-02

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525   526578   1.300058e+01   3.881e-10   3.285e-01   2.941e-02
526   527579   1.300057e+01   3.477e-10   1.890e-01   2.717e-02
527   528580   1.300057e+01   8.355e-10   7.297e-02   3.734e-02
528   529581   1.300057e+01   1.561e-09   9.848e-02   4.431e-02
529   530582   1.300057e+01   1.213e-09   1.220e-01   4.818e-02
530   531583   1.300057e+01   4.724e-10   1.347e-01   4.424e-02
531   532584   1.300056e+01   7.026e-10   1.999e-01   4.182e-02
532   533585   1.300056e+01   1.316e-09   1.688e-01   4.585e-02
533   534586   1.300056e+01   2.028e-09   8.392e-02   5.865e-02
534   535587   1.300055e+01   2.231e-09   1.344e-01   6.857e-02
535   536588   1.300055e+01   1.418e-09   2.745e-01   6.206e-02
536   537589   1.300055e+01   8.629e-10   3.364e-01   5.536e-02
537   538590   1.300055e+01   9.740e-10   2.677e-01   5.422e-02
538   539591   1.300055e+01   1.749e-09   1.662e-01   6.430e-02
539   540592   1.300055e+01   2.154e-09   1.451e-01   6.596e-02
540   541593   1.300055e+01   1.343e-09   1.079e-01   5.263e-02
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| | | | | First-order | Norm of |
Iter	F-count	f(x)	Feasibility	optimality	step
541	542594	1.300056e+01	9.089e-10	7.637e-02	3.137e-02
542	543595	1.300056e+01	7.704e-10	5.682e-02	2.780e-02
543	544596	1.300056e+01	8.917e-10	5.602e-02	2.904e-02
544	545597	1.300055e+01	8.684e-10	5.529e-02	3.570e-02
545	546598	1.300055e+01	4.134e-10	7.487e-02	4.204e-02
546	547599	1.300055e+01	3.385e-10	1.421e-01	4.010e-02
547	548600	1.300055e+01	5.365e-10	2.398e-01	3.573e-02
548	549601	1.300055e+01	5.443e-10	2.204e-01	2.450e-02
549	550602	1.300055e+01	5.269e-10	2.041e-01	2.610e-02
550	551603	1.300055e+01	1.874e-10	9.187e-02	2.466e-02
551	552604	1.300055e+01	4.437e-10	5.976e-02	3.101e-02
552	553605	1.300054e+01	6.027e-10	5.904e-02	2.851e-02
553	554606	1.300054e+01	6.619e-10	6.439e-02	3.261e-02
554	555607	1.300053e+01	8.276e-10	1.229e-01	2.994e-02
555	556608	1.300053e+01	9.406e-10	7.368e-02	4.193e-02
556	557609	1.300052e+01	1.185e-09	1.569e-01	4.374e-02
557	558610	1.300053e+01	9.078e-10	8.844e-02	4.048e-02
558	559611	1.300052e+01	8.385e-10	1.864e-01	5.440e-02
559	560612	1.300053e+01	3.621e-10	1.465e-01	3.241e-02
560	561613	1.300053e+01	1.640e-09	2.977e-01	6.893e-02
561	562614	1.300054e+01	8.522e-10	1.560e-01	4.464e-02
562	563615	1.300054e+01	1.114e-09	2.069e-01	6.853e-02
563	564616	1.300054e+01	4.960e-10	1.366e-01	3.765e-02
564	565617	1.300054e+01	8.081e-10	1.087e-01	3.737e-02
565	566618	1.300055e+01	6.831e-10	2.143e-01	3.501e-02
566	567619	1.300055e+01	2.165e-09	1.961e-01	4.546e-02
567	568620	1.300055e+01	1.072e-09	2.411e-01	4.999e-02
568	569621	1.300055e+01	5.136e-10	1.515e-01	4.052e-02
569	570622	1.300055e+01	1.003e-09	1.216e-01	2.874e-02
570	571623	1.300055e+01	1.522e-09	8.368e-02	2.670e-02

| | | | | First-order | Norm of |
Iter	F-count	f(x)	Feasibility	optimality	step
571	572624	1.300054e+01	6.039e-10	6.428e-02	2.989e-02

Iter	F-count	f(x)	Feasibility	First-order optimality	Norm of step
572	573625	1.300054e+01	4.748e-10	7.491e-02	2.828e-02
573	574626	1.300054e+01	4.398e-10	7.233e-02	2.703e-02
574	575627	1.300053e+01	3.822e-10	7.513e-02	2.241e-02
575	576628	1.300053e+01	7.252e-10	7.628e-02	2.733e-02
576	577629	1.300052e+01	3.105e-10	8.424e-02	3.198e-02
577	578630	1.300052e+01	3.247e-10	9.233e-02	3.287e-02
578	579631	1.300051e+01	3.943e-10	1.134e-01	2.789e-02
579	580632	1.300052e+01	5.359e-10	1.246e-01	2.173e-02
580	581633	1.300052e+01	5.472e-10	1.260e-01	2.276e-02
581	582634	1.300052e+01	9.571e-10	1.092e-01	3.060e-02
582	583635	1.300052e+01	7.195e-10	5.575e-02	4.631e-02
583	584636	1.300052e+01	1.188e-09	1.081e-01	4.924e-02
584	585637	1.300052e+01	1.397e-09	1.756e-01	5.298e-02
585	586638	1.300053e+01	8.236e-10	1.862e-01	4.017e-02
586	587639	1.300052e+01	6.678e-10	1.663e-01	4.661e-02
587	588640	1.300053e+01	1.119e-09	1.672e-01	5.461e-02
588	589641	1.300053e+01	1.354e-09	1.849e-01	5.229e-02
589	590642	1.300054e+01	8.383e-10	1.845e-01	5.712e-02
590	591643	1.300054e+01	9.134e-10	1.694e-01	4.087e-02
591	592644	1.300054e+01	1.102e-09	1.256e-01	5.128e-02
592	593645	1.300054e+01	1.665e-09	1.796e-01	4.233e-02
593	594646	1.300055e+01	1.775e-09	1.846e-01	5.951e-02
594	595647	1.300054e+01	1.537e-09	2.903e-01	5.091e-02
595	596648	1.300055e+01	1.310e-09	2.126e-01	5.069e-02
596	597649	1.300054e+01	8.932e-10	2.348e-01	3.781e-02
597	598650	1.300054e+01	1.197e-09	1.548e-01	4.216e-02
598	599651	1.300054e+01	8.108e-10	1.202e-01	3.940e-02
599	600652	1.300054e+01	8.552e-10	1.049e-01	4.641e-02
600	601653	1.300054e+01	4.322e-10	1.299e-01	3.813e-02
601	602654	1.300054e+01	2.195e-10	8.025e-02	2.221e-02
602	603655	1.300054e+01	4.312e-10	1.263e-01	3.208e-02
603	604656	1.300054e+01	2.373e-10	1.146e-01	1.551e-02
604	605657	1.300054e+01	3.066e-10	1.489e-01	2.305e-02
605	606658	1.300054e+01	2.356e-10	1.091e-01	1.507e-02
606	607659	1.300054e+01	1.422e-10	6.435e-02	2.292e-02
607	608660	1.300054e+01	1.464e-10	5.799e-02	3.177e-02
608	609661	1.300053e+01	2.241e-10	9.644e-02	3.692e-02
609	610662	1.300053e+01	2.875e-10	1.427e-01	3.398e-02
610	611663	1.300053e+01	2.159e-10	1.543e-01	2.922e-02
611	612664	1.300053e+01	2.117e-10	1.262e-01	2.289e-02
612	613665	1.300053e+01	2.416e-10	8.978e-02	2.610e-02
613	614666	1.300053e+01	2.109e-10	6.861e-02	2.891e-02
614	615667	1.300053e+01	3.090e-10	1.171e-01	3.715e-02
615	616668	1.300053e+01	3.612e-10	1.938e-01	3.728e-02
616	617669	1.300053e+01	3.810e-10	2.130e-01	3.246e-02
617	618670	1.300053e+01	7.478e-10	1.743e-01	2.979e-02
618	619671	1.300053e+01	9.232e-10	1.315e-01	2.685e-02
619	620672	1.300054e+01	1.281e-09	1.336e-01	2.802e-02
620	621673	1.300054e+01	1.248e-09	9.973e-02	3.900e-02
621	622674	1.300055e+01	8.506e-10	8.191e-02	3.824e-02

Iter	F-count	f(x)	Feasibility	First-order optimality	Norm of step
622	623675	1.300054e+01	6.562e-10	9.964e-02	5.449e-02
623	624676	1.300055e+01	9.399e-10	2.260e-01	5.811e-02
624	625677	1.300054e+01	1.252e-09	3.090e-01	7.621e-02
625	626678	1.300054e+01	1.755e-09	4.071e-01	1.003e-01
626	627679	1.300053e+01	3.133e-09	3.247e-01	1.006e-01
627	628680	1.300054e+01	1.529e-09	5.006e-01	1.055e-01
628	629681	1.300054e+01	1.290e-09	3.777e-01	6.411e-02
629	630682	1.300055e+01	8.206e-10	3.366e-01	6.552e-02
630	631683	1.300054e+01	8.315e-10	2.246e-01	3.411e-02

Iter	F-count	f(x)	Feasibility	First-order optimality	Norm of step
631	632684	1.300055e+01	4.323e-10	1.729e-01	4.171e-02
632	633685	1.300055e+01	5.405e-10	1.676e-01	2.761e-02
633	634686	1.300055e+01	3.401e-10	1.167e-01	3.155e-02
634	635687	1.300055e+01	4.173e-10	1.218e-01	2.692e-02
635	636688	1.300055e+01	4.079e-10	1.377e-01	2.847e-02
636	637689	1.300055e+01	4.113e-10	1.091e-01	3.589e-02
637	638690	1.300055e+01	4.863e-10	1.314e-01	3.987e-02
638	639691	1.300054e+01	8.727e-10	1.163e-01	3.273e-02
639	640692	1.300054e+01	1.211e-09	7.893e-02	2.904e-02
640	641693	1.300054e+01	8.485e-10	7.693e-02	2.449e-02
641	642694	1.300054e+01	3.017e-10	7.915e-02	2.520e-02
642	643695	1.300055e+01	1.610e-10	8.121e-02	2.221e-02
643	644696	1.300055e+01	2.329e-10	7.847e-02	1.855e-02
644	645697	1.300055e+01	1.444e-10	8.577e-02	2.164e-02
645	646698	1.300055e+01	2.103e-10	9.560e-02	2.078e-02
646	647699	1.300055e+01	3.101e-10	1.817e-01	3.425e-02
647	648700	1.300055e+01	2.574e-10	2.512e-01	3.461e-02
648	649701	1.300055e+01	6.567e-10	3.860e-01	5.806e-02
649	650702	1.300054e+01	6.759e-10	4.412e-01	5.531e-02
650	651703	1.300054e+01	1.868e-09	4.947e-01	7.369e-02
651	652704	1.300053e+01	3.088e-09	4.343e-01	7.073e-02
652	653705	1.300054e+01	2.785e-09	3.379e-01	9.084e-02
653	654706	1.300053e+01	2.492e-09	2.286e-01	7.999e-02
654	655707	1.300054e+01	3.548e-09	2.308e-01	9.035e-02
655	656708	1.300053e+01	1.940e-09	1.690e-01	6.698e-02
656	657709	1.300054e+01	1.841e-09	1.932e-01	6.381e-02
657	658710	1.300052e+01	2.328e-09	1.394e-01	6.262e-02
658	659711	1.300053e+01	1.763e-09	2.439e-01	6.241e-02
659	660712	1.300052e+01	1.305e-09	2.835e-01	7.093e-02
660	661713	1.300053e+01	1.389e-09	3.514e-01	8.963e-02

Iter	F-count	f(x)	Feasibility	First-order optimality	Norm of step
661	662714	1.300050e+01	2.145e-09	2.776e-01	1.003e-01
662	663715	1.300053e+01	3.424e-09	4.316e-01	1.416e-01
663	664716	1.300049e+01	3.145e-09	4.912e-01	1.017e-01
664	665717	1.300053e+01	1.949e-09	5.372e-01	9.206e-02
665	666718	1.300050e+01	1.309e-09	3.304e-01	7.348e-02
666	667719	1.300054e+01	9.241e-10	1.383e-01	5.888e-02
667	668720	1.300052e+01	5.140e-10	9.813e-02	4.610e-02
668	669721	1.300054e+01	4.815e-10	5.713e-02	4.325e-02

669	670722	1.300052e+01	4.172e-10	4.903e-02	3.748e-02
670	671723	1.300053e+01	6.282e-10	1.295e-01	3.403e-02
671	672724	1.300052e+01	9.489e-10	2.339e-01	4.606e-02
672	673725	1.300051e+01	8.191e-10	2.414e-01	3.432e-02
673	674726	1.300051e+01	5.529e-10	2.382e-01	4.810e-02
674	675727	1.300050e+01	6.378e-10	1.321e-01	5.109e-02
675	676728	1.300051e+01	2.913e-09	1.675e-01	4.633e-02
676	677729	1.300051e+01	2.290e-09	2.476e-01	6.548e-02
677	678730	1.300051e+01	2.099e-09	2.384e-01	6.719e-02
678	679731	1.300051e+01	3.572e-09	2.466e-01	5.841e-02
679	680732	1.300051e+01	1.634e-09	2.164e-01	5.361e-02
680	681733	1.300051e+01	8.001e-10	2.351e-01	3.833e-02
681	682734	1.300051e+01	1.134e-09	2.284e-01	4.367e-02
682	683735	1.300052e+01	2.134e-09	1.733e-01	5.875e-02
683	684736	1.300049e+01	2.112e-09	1.669e-01	7.472e-02
684	685737	1.300052e+01	8.261e-09	3.101e-01	1.336e-01
685	686738	1.300045e+01	5.524e-09	6.201e-01	1.408e-01
686	687740	1.300050e+01	1.767e-11	1.029e+00	2.313e-01
687	688741	1.300040e+01	9.925e-09	1.441e+00	1.677e-01
688	689742	1.300048e+01	1.189e-08	1.206e+00	1.776e-01
689	690743	1.300044e+01	7.033e-09	7.778e-01	1.516e-01
690	691744	1.300048e+01	5.611e-09	5.228e-01	1.201e-01

Iter	F-count	f(x)	Feasibility	First-order optimality	Norm of step
691	692745	1.300045e+01	2.724e-09	2.839e-01	9.328e-02
692	693746	1.300048e+01	2.655e-09	2.745e-01	8.316e-02
693	694747	1.300046e+01	6.717e-10	1.704e-01	5.745e-02
694	695749	1.300047e+01	2.778e-10	1.192e-01	1.227e-02
695	696750	1.300047e+01	1.554e-09	1.098e-01	6.617e-02
696	697751	1.300049e+01	2.091e-10	1.217e-01	1.609e-02
697	698752	1.300049e+01	6.144e-10	1.544e-01	4.140e-02
698	699753	1.300049e+01	9.848e-10	2.308e-01	5.107e-02
699	700754	1.300048e+01	4.814e-10	1.902e-01	5.788e-02
700	701755	1.300047e+01	7.180e-10	3.591e-01	6.164e-02
701	702756	1.300047e+01	5.166e-10	4.082e-01	4.133e-02
702	703757	1.300046e+01	4.108e-10	2.861e-01	3.307e-02
703	704758	1.300047e+01	2.013e-10	1.546e-01	2.528e-02
704	705759	1.300047e+01	4.492e-10	1.062e-01	3.159e-02
705	706760	1.300048e+01	7.364e-10	1.456e-01	2.880e-02
706	707761	1.300048e+01	8.372e-10	1.810e-01	3.707e-02
707	708762	1.300048e+01	7.277e-10	2.262e-01	4.569e-02
708	709763	1.300048e+01	1.343e-09	3.677e-01	8.252e-02
709	710764	1.300046e+01	2.677e-09	6.373e-01	1.270e-01
710	711765	1.300045e+01	3.252e-09	3.855e-01	1.652e-01
711	712766	1.300044e+01	3.045e-09	3.727e-01	1.399e-01
712	713767	1.300045e+01	2.400e-09	4.362e-01	8.656e-02
713	714768	1.300045e+01	2.542e-09	3.841e-01	5.759e-02
714	715769	1.300046e+01	1.793e-09	2.918e-01	4.700e-02
715	716770	1.300046e+01	8.425e-10	1.884e-01	3.700e-02
716	717771	1.300046e+01	4.753e-10	8.572e-02	2.983e-02
717	718772	1.300046e+01	4.532e-10	8.018e-02	3.523e-02
718	719773	1.300047e+01	4.853e-10	1.827e-01	4.387e-02

Iter	F-count	f(x)	Feasibility	First-order optimality	Norm of step
719	720774	1.300047e+01	5.668e-10	3.053e-01	5.132e-02
720	721775	1.300048e+01	4.291e-10	3.347e-01	5.037e-02

Iter	F-count	f(x)	Feasibility	First-order optimality	Norm of step
721	722776	1.300048e+01	3.811e-10	3.409e-01	4.899e-02
722	723777	1.300048e+01	5.456e-10	3.307e-01	4.791e-02
723	724778	1.300048e+01	6.324e-10	3.204e-01	3.824e-02
724	725779	1.300048e+01	3.005e-10	3.089e-01	2.840e-02
725	726780	1.300048e+01	3.768e-10	2.882e-01	2.817e-02
726	727781	1.300047e+01	2.301e-10	1.905e-01	1.959e-02
727	728782	1.300047e+01	6.743e-10	1.448e-01	3.714e-02
728	729783	1.300047e+01	4.331e-10	1.581e-01	1.743e-02
729	730784	1.300047e+01	7.582e-10	1.853e-01	3.729e-02
730	731785	1.300046e+01	4.769e-10	1.834e-01	2.323e-02
731	732786	1.300046e+01	1.019e-09	1.944e-01	4.675e-02
732	733787	1.300046e+01	8.758e-10	1.906e-01	4.771e-02
733	734788	1.300046e+01	2.053e-09	1.989e-01	7.644e-02
734	735789	1.300046e+01	1.866e-09	2.553e-01	8.683e-02
735	736790	1.300046e+01	9.783e-10	6.265e-01	1.033e-01
736	737791	1.300046e+01	9.681e-10	6.980e-01	7.206e-02
737	738792	1.300046e+01	6.548e-10	5.778e-01	5.263e-02
738	739793	1.300047e+01	8.805e-10	4.274e-01	4.092e-02
739	740794	1.300047e+01	4.852e-10	2.132e-01	4.194e-02
740	741795	1.300047e+01	5.924e-10	7.228e-02	4.969e-02
741	742796	1.300047e+01	4.463e-10	1.109e-01	4.163e-02
742	743797	1.300047e+01	2.575e-10	1.179e-01	3.348e-02
743	744798	1.300048e+01	3.572e-10	1.927e-01	4.722e-02
744	745799	1.300048e+01	4.993e-10	1.695e-01	4.222e-02
745	746800	1.300049e+01	7.369e-10	3.468e-01	6.215e-02
746	747801	1.300049e+01	7.554e-10	3.409e-01	4.204e-02
747	748802	1.300049e+01	7.861e-10	4.237e-01	3.952e-02
748	749803	1.300049e+01	6.799e-10	3.121e-01	4.430e-02
749	750804	1.300048e+01	2.970e-10	2.534e-01	3.443e-02
750	751805	1.300048e+01	2.396e-10	1.374e-01	2.505e-02

Iter	F-count	f(x)	Feasibility	First-order optimality	Norm of step
751	752806	1.300048e+01	2.024e-10	7.454e-02	1.880e-02
752	753807	1.300048e+01	1.484e-10	2.794e-02	1.112e-02
753	754808	1.300048e+01	5.918e-11	2.530e-02	1.186e-02
754	755809	1.300048e+01	9.159e-11	2.362e-02	8.116e-03
755	756810	1.300048e+01	6.863e-11	4.683e-02	1.065e-02
756	757811	1.300048e+01	7.900e-11	3.332e-02	1.735e-02
757	758812	1.300048e+01	1.265e-10	4.359e-02	2.593e-02
758	759813	1.300049e+01	2.330e-10	6.092e-02	3.579e-02
759	760814	1.300049e+01	5.350e-10	8.821e-02	4.275e-02
760	761815	1.300048e+01	7.081e-10	1.352e-01	4.342e-02
761	762816	1.300048e+01	8.188e-10	1.165e-01	5.469e-02
762	763817	1.300048e+01	6.478e-10	5.956e-02	4.849e-02
763	764818	1.300047e+01	3.185e-10	7.539e-02	3.879e-02
764	765819	1.300047e+01	1.925e-10	9.469e-02	3.205e-02
765	766820	1.300047e+01	1.543e-10	9.338e-02	2.511e-02

Iter	F-count	f(x)	Feasibility	First-order optimality	Norm of step
766	767821	1.300047e+01	1.696e-10	7.045e-02	2.947e-02
767	768822	1.300047e+01	2.058e-10	6.321e-02	3.339e-02
768	769823	1.300047e+01	4.902e-10	7.022e-02	5.260e-02
769	770824	1.300047e+01	8.730e-10	8.707e-02	5.937e-02
770	771825	1.300047e+01	1.031e-09	6.982e-02	7.484e-02
771	772826	1.300047e+01	1.266e-09	6.382e-02	5.377e-02
772	773827	1.300047e+01	7.759e-10	5.245e-02	3.090e-02
773	774828	1.300048e+01	2.967e-10	5.629e-02	1.800e-02
774	775829	1.300048e+01	1.050e-10	3.421e-02	1.379e-02
775	776830	1.300048e+01	7.641e-11	4.256e-02	1.091e-02
776	777831	1.300048e+01	7.210e-11	4.509e-02	1.254e-02
777	778832	1.300048e+01	1.017e-10	3.298e-02	1.603e-02
778	779833	1.300048e+01	8.503e-11	4.068e-02	2.000e-02
779	780834	1.300047e+01	3.010e-10	1.332e-01	2.715e-02
780	781835	1.300047e+01	1.069e-10	2.407e-01	3.250e-02

Iter	F-count	f(x)	Feasibility	First-order optimality	Norm of step
781	782836	1.300047e+01	1.935e-10	2.985e-01	2.920e-02
782	783837	1.300047e+01	3.017e-10	2.892e-01	3.388e-02
783	784838	1.300047e+01	2.264e-10	2.167e-01	3.012e-02
784	785839	1.300047e+01	1.876e-10	1.079e-01	2.614e-02
785	786840	1.300047e+01	1.120e-10	5.968e-02	1.924e-02
786	787841	1.300048e+01	1.756e-10	5.226e-02	2.043e-02
787	788842	1.300048e+01	1.405e-10	2.971e-02	2.192e-02
788	789843	1.300048e+01	2.121e-10	4.672e-02	3.453e-02
789	790844	1.300049e+01	3.660e-10	1.529e-01	4.684e-02
790	791845	1.300049e+01	9.059e-10	3.277e-01	7.044e-02
791	792846	1.300049e+01	1.696e-09	5.516e-01	8.903e-02
792	793847	1.300049e+01	2.447e-09	7.142e-01	9.910e-02
793	794848	1.300048e+01	1.752e-09	6.455e-01	8.017e-02
794	795849	1.300048e+01	1.458e-09	4.781e-01	4.788e-02
795	796850	1.300048e+01	8.551e-10	3.206e-01	3.106e-02
796	797851	1.300048e+01	4.783e-10	2.312e-01	2.602e-02
797	798852	1.300047e+01	1.827e-10	8.811e-02	2.340e-02
798	799853	1.300046e+01	1.574e-10	5.939e-02	2.203e-02
799	800854	1.300046e+01	1.872e-10	9.006e-02	2.142e-02
800	801855	1.300045e+01	1.318e-10	1.343e-01	2.277e-02
801	802856	1.300045e+01	1.866e-10	1.394e-01	2.818e-02
802	803857	1.300046e+01	3.285e-10	1.685e-01	2.397e-02
803	804858	1.300046e+01	3.497e-10	1.686e-01	2.506e-02
804	805859	1.300047e+01	3.681e-10	1.227e-01	2.986e-02
805	806860	1.300047e+01	2.608e-10	4.969e-02	2.697e-02
806	807861	1.300047e+01	1.661e-10	3.130e-02	2.082e-02
807	808862	1.300047e+01	1.169e-10	1.688e-02	1.625e-02
808	809863	1.299060e+01	6.644e-07	1.328e+00	5.278e-01
809	810864	1.298573e+01	1.016e-06	1.418e+00	2.807e-01
810	811865	1.298584e+01	1.346e-07	3.352e-01	1.052e-01

Iter	F-count	f(x)	Feasibility	First-order optimality	Norm of step
811	812866	1.298579e+01	1.541e-08	2.635e-01	1.234e-01
812	813867	1.298578e+01	7.740e-09	2.449e-01	1.425e-01

Iter	F-count	f(x)	Feasibility	First-order optimality	Norm of step
813	814868	1.298579e+01	1.221e-09	9.520e-02	1.175e-01
814	815869	1.298579e+01	8.762e-10	1.081e-01	1.071e-01
815	816870	1.298578e+01	1.104e-09	9.778e-02	6.275e-02
816	817871	1.298578e+01	4.258e-10	6.399e-02	3.045e-02
817	818872	1.298577e+01	2.574e-10	3.988e-02	1.702e-02
818	819873	1.298577e+01	2.027e-10	3.227e-02	1.712e-02
819	820874	1.298577e+01	1.511e-10	3.662e-02	1.665e-02
820	821875	1.298577e+01	1.365e-10	3.631e-02	2.275e-02
821	822877	1.298577e+01	1.142e-10	3.892e-02	8.162e-03
822	823878	1.298578e+01	6.725e-11	3.754e-02	2.599e-02
823	824882	1.298578e+01	6.518e-11	3.661e-02	1.557e-03
824	825886	1.298578e+01	4.647e-11	3.585e-02	3.318e-02
825	826891	1.297770e+01	1.063e-06	3.672e-02	3.261e-02
826	827892	1.296055e+01	1.454e-06	7.046e-02	9.545e-02
827	828893	1.298551e+01	3.680e-08	7.789e-02	6.589e-02
828	829894	1.298579e+01	1.096e-08	7.078e-02	2.288e-02
829	830895	1.298578e+01	5.956e-10	1.807e-02	1.104e-02
830	831896	1.298577e+01	3.054e-10	3.005e-02	1.795e-02
831	832897	1.298577e+01	4.362e-11	2.934e-02	1.432e-02
832	833898	1.298577e+01	1.011e-10	1.892e-02	3.036e-02
833	834899	1.298577e+01	8.274e-11	3.659e-02	2.234e-02
834	835900	1.298577e+01	5.623e-11	3.806e-02	1.440e-02
835	836901	1.298577e+01	1.612e-10	5.428e-02	2.410e-02
836	837902	1.298577e+01	1.049e-10	6.379e-02	2.249e-02
837	838903	1.298577e+01	2.253e-10	7.835e-02	3.368e-02
838	839904	1.298577e+01	1.649e-10	9.265e-02	3.547e-02
839	840905	1.298577e+01	1.278e-10	8.348e-02	3.130e-02
840	841906	1.298577e+01	2.291e-10	1.240e-01	3.205e-02

Iter	F-count	f(x)	Feasibility	First-order optimality	Norm of step
841	842907	1.298577e+01	1.273e-10	1.218e-01	2.831e-02
842	843908	1.298577e+01	1.291e-10	1.138e-01	3.256e-02
843	844909	1.298577e+01	5.269e-11	8.807e-02	3.253e-02
844	845910	1.298577e+01	7.777e-11	7.062e-02	2.654e-02
845	846912	1.298577e+01	1.181e-11	2.417e-02	2.607e-02
846	847914	1.298577e+01	3.647e-12	1.517e-02	1.400e-02
847	848916	1.298577e+01	9.608e-12	1.621e-02	1.618e-02
848	849918	1.298577e+01	6.641e-12	2.308e-02	1.100e-02
849	850920	1.298577e+01	9.194e-12	2.869e-02	2.453e-02
850	851922	1.298577e+01	4.964e-13	4.883e-02	1.719e-02
851	852972	1.298577e+01	4.959e-13	4.883e-02	3.649e-09
852	853979	1.298577e+01	4.952e-13	4.883e-02	5.672e-10
853	854987	1.298577e+01	4.949e-13	4.883e-02	6.111e-10
854	855993	1.298577e+01	4.946e-13	4.883e-02	5.910e-10
855	856999	1.298577e+01	4.943e-13	4.883e-02	3.888e-10
856	858005	1.298577e+01	4.939e-13	4.883e-02	1.837e-10
857	859012	1.298577e+01	4.939e-13	4.883e-02	7.142e-11
858	860018	1.298577e+01	4.939e-13	4.883e-02	7.115e-11
859	861024	1.298577e+01	4.939e-13	4.883e-02	7.085e-11
860	862030	1.298577e+01	4.939e-13	4.883e-02	7.053e-11
861	863036	1.298577e+01	4.939e-13	4.883e-02	7.018e-11
862	864042	1.298577e+01	4.939e-13	4.883e-02	6.982e-11

Iter	F-count	f(x)	Feasibility	First-order optimality	Norm of step
863	865048	1.298577e+01	4.939e-13	4.883e-02	6.941e-11
864	866054	1.298577e+01	4.939e-13	4.883e-02	6.900e-11
865	867060	1.298577e+01	4.939e-13	4.883e-02	6.856e-11
866	868066	1.298577e+01	4.939e-13	4.883e-02	6.809e-11
867	869072	1.298577e+01	4.938e-13	4.883e-02	6.759e-11
868	870078	1.298577e+01	4.938e-13	4.883e-02	6.708e-11
869	871084	1.298577e+01	4.938e-13	4.883e-02	6.652e-11
870	872090	1.298577e+01	4.938e-13	4.883e-02	6.596e-11

Iter	F-count	f(x)	Feasibility	First-order optimality	Norm of step
871	873096	1.298577e+01	4.938e-13	4.883e-02	6.535e-11
872	874102	1.298577e+01	4.938e-13	4.883e-02	6.472e-11
873	875108	1.298577e+01	4.938e-13	4.883e-02	6.407e-11
874	876114	1.298577e+01	4.937e-13	4.883e-02	6.338e-11
875	877120	1.298577e+01	4.937e-13	4.883e-02	6.267e-11
876	878126	1.298577e+01	4.937e-13	4.883e-02	6.193e-11
877	879132	1.298577e+01	4.937e-13	4.883e-02	6.117e-11
878	880138	1.298577e+01	4.937e-13	4.883e-02	6.038e-11
879	881144	1.298577e+01	4.936e-13	4.883e-02	5.956e-11
880	882150	1.298577e+01	4.936e-13	4.883e-02	5.873e-11
881	883156	1.298577e+01	4.936e-13	4.883e-02	5.785e-11
882	884162	1.298577e+01	4.936e-13	4.883e-02	5.695e-11
883	885168	1.298577e+01	4.934e-13	4.883e-02	5.604e-11
884	886174	1.298577e+01	4.933e-13	4.883e-02	5.510e-11
885	887180	1.298577e+01	4.931e-13	4.883e-02	5.413e-11
886	888186	1.298577e+01	4.930e-13	4.883e-02	5.315e-11
887	889192	1.298577e+01	4.928e-13	4.883e-02	5.214e-11
888	890198	1.298577e+01	4.927e-13	4.883e-02	5.111e-11
889	891204	1.298577e+01	4.925e-13	4.883e-02	5.006e-11
890	892210	1.298577e+01	4.924e-13	4.883e-02	4.900e-11
891	893216	1.298577e+01	4.922e-13	4.883e-02	4.793e-11
892	894222	1.298577e+01	4.921e-13	4.883e-02	4.682e-11
893	895228	1.298577e+01	4.919e-13	4.883e-02	4.569e-11
894	896234	1.298577e+01	4.918e-13	4.883e-02	4.459e-11
895	897240	1.298577e+01	4.916e-13	4.883e-02	4.343e-11
896	898246	1.298577e+01	4.914e-13	4.883e-02	4.233e-11
897	899252	1.298577e+01	4.913e-13	4.883e-02	4.119e-11
898	900258	1.298577e+01	4.911e-13	4.883e-02	4.004e-11
899	901264	1.298577e+01	4.909e-13	4.883e-02	3.892e-11
900	902270	1.298577e+01	4.908e-13	4.883e-02	3.781e-11

Iter	F-count	f(x)	Feasibility	First-order optimality	Norm of step
901	903276	1.298577e+01	4.906e-13	4.883e-02	3.669e-11
902	904282	1.298577e+01	4.904e-13	4.883e-02	3.559e-11
903	905288	1.298577e+01	4.902e-13	4.883e-02	3.449e-11
904	906294	1.298577e+01	4.900e-13	4.883e-02	3.344e-11
905	907300	1.298577e+01	4.899e-13	4.883e-02	3.235e-11
906	908306	1.298577e+01	4.897e-13	4.883e-02	3.132e-11
907	909312	1.298577e+01	4.895e-13	4.883e-02	3.031e-11
908	910318	1.298577e+01	4.893e-13	4.883e-02	2.934e-11
909	911324	1.298577e+01	4.891e-13	4.883e-02	2.835e-11

910	912330	1.298577e+01	4.889e-13	4.883e-02	2.742e-11
911	913336	1.298577e+01	4.887e-13	4.883e-02	2.653e-11
912	914342	1.298577e+01	4.885e-13	4.883e-02	2.566e-11
913	915348	1.298577e+01	4.883e-13	4.883e-02	2.478e-11
914	916354	1.298577e+01	4.881e-13	4.883e-02	2.394e-11
915	917360	1.298577e+01	4.879e-13	4.883e-02	2.318e-11
916	918366	1.298577e+01	4.876e-13	4.883e-02	2.245e-11
917	919372	1.298577e+01	4.874e-13	4.883e-02	2.175e-11
918	920378	1.298577e+01	4.872e-13	4.883e-02	2.105e-11
919	921384	1.298577e+01	4.870e-13	4.883e-02	2.040e-11
920	922390	1.298577e+01	4.867e-13	4.883e-02	1.974e-11
921	923396	1.298577e+01	4.865e-13	4.883e-02	1.913e-11
922	924402	1.298577e+01	4.863e-13	4.883e-02	1.856e-11
923	925408	1.298577e+01	4.860e-13	4.883e-02	1.802e-11
924	926414	1.298577e+01	4.858e-13	4.883e-02	1.750e-11
925	927420	1.298577e+01	4.856e-13	4.883e-02	1.700e-11
926	928426	1.298577e+01	4.853e-13	4.883e-02	1.656e-11
927	929432	1.298577e+01	4.851e-13	4.883e-02	1.613e-11
928	930438	1.298577e+01	4.848e-13	4.883e-02	1.574e-11
929	931444	1.298577e+01	4.846e-13	4.883e-02	1.534e-11
930	932450	1.298577e+01	4.843e-13	4.883e-02	1.501e-11

				First-order	Norm of
Iter	F-count	f(x)	Feasibility	optimality	step
931	933456	1.298577e+01	4.840e-13	4.883e-02	1.462e-11
932	934462	1.298577e+01	4.838e-13	4.883e-02	1.426e-11
933	935468	1.298577e+01	4.835e-13	4.883e-02	1.395e-11
934	936474	1.298577e+01	4.832e-13	4.883e-02	1.364e-11
935	937480	1.298577e+01	4.829e-13	4.883e-02	1.340e-11
936	938486	1.298577e+01	4.827e-13	4.883e-02	1.310e-11
937	939492	1.298577e+01	4.824e-13	4.883e-02	1.286e-11
938	940498	1.298577e+01	4.821e-13	4.883e-02	1.261e-11
939	941504	1.298577e+01	4.818e-13	4.883e-02	1.242e-11
940	942510	1.298577e+01	4.815e-13	4.883e-02	1.220e-11
941	943516	1.298577e+01	4.812e-13	4.883e-02	1.199e-11
942	944520	1.298577e+01	4.813e-13	4.883e-02	1.334e-11
943	945526	1.298577e+01	4.810e-13	4.883e-02	1.182e-11
944	946530	1.298577e+01	4.812e-13	4.883e-02	1.327e-11
945	947536	1.298577e+01	4.809e-13	4.883e-02	1.202e-11
946	948540	1.298577e+01	4.810e-13	4.883e-02	1.337e-11
947	949546	1.298577e+01	4.807e-13	4.883e-02	1.233e-11
948	950552	1.298577e+01	4.804e-13	4.883e-02	1.175e-11
949	951558	1.298577e+01	4.801e-13	4.883e-02	9.527e-12
950	952564	1.298577e+01	4.798e-13	4.883e-02	9.333e-12
951	953570	1.298577e+01	4.795e-13	4.883e-02	9.371e-12
952	954574	1.298577e+01	4.796e-13	4.883e-02	1.332e-11
953	955580	1.298577e+01	4.793e-13	4.883e-02	1.007e-11
954	956586	1.298577e+01	4.790e-13	4.883e-02	9.485e-12
955	957592	1.298577e+01	4.787e-13	4.883e-02	9.475e-12
956	958598	1.298577e+01	4.784e-13	4.883e-02	9.505e-12
957	959604	1.298577e+01	4.781e-13	4.883e-02	9.537e-12
958	960610	1.298577e+01	4.778e-13	4.883e-02	9.566e-12
959	961616	1.298577e+01	4.775e-13	4.883e-02	9.583e-12

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 960    962622    1.298577e+01    4.772e-13    4.883e-02    9.612e-12
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				First-order	Norm of
Iter	F-count	f(x)	Feasibility	optimality	step
961	963628	1.298577e+01	4.769e-13	4.883e-02	9.629e-12
962	964634	1.298577e+01	4.766e-13	4.883e-02	9.649e-12
963	965638	1.298577e+01	4.768e-13	4.883e-02	1.325e-11
964	966644	1.298577e+01	4.765e-13	4.883e-02	1.052e-11
965	967648	1.298577e+01	4.766e-13	4.883e-02	1.327e-11
966	968654	1.298577e+01	4.763e-13	4.883e-02	1.120e-11
967	969660	1.298577e+01	4.760e-13	4.883e-02	9.927e-12
968	970664	1.298577e+01	4.761e-13	4.883e-02	1.323e-11
969	971670	1.298577e+01	4.758e-13	4.883e-02	1.088e-11
970	972676	1.298577e+01	4.755e-13	4.883e-02	9.906e-12
971	973682	1.298577e+01	4.752e-13	4.883e-02	9.775e-12
972	974688	1.298577e+01	4.749e-13	4.883e-02	9.754e-12
973	975692	1.298577e+01	4.751e-13	4.883e-02	1.336e-11
974	976698	1.298577e+01	4.748e-13	4.883e-02	1.073e-11
975	977704	1.298577e+01	4.745e-13	4.883e-02	9.935e-12
976	978710	1.298577e+01	4.742e-13	4.883e-02	9.820e-12
977	979716	1.298577e+01	4.739e-13	4.883e-02	9.809e-12
978	980722	1.298577e+01	4.736e-13	4.883e-02	9.820e-12
979	981728	1.298577e+01	4.733e-13	4.883e-02	9.824e-12
980	982734	1.298577e+01	4.730e-13	4.883e-02	9.836e-12
981	983740	1.298577e+01	4.727e-13	4.883e-02	9.838e-12
982	984744	1.298577e+01	4.728e-13	4.883e-02	1.327e-11
983	985750	1.298577e+01	4.725e-13	4.883e-02	1.084e-11
984	986756	1.298577e+01	4.722e-13	4.883e-02	1.004e-11
985	987762	1.298577e+01	4.720e-13	4.883e-02	9.909e-12
986	988768	1.298577e+01	4.717e-13	4.883e-02	9.884e-12
987	989774	1.298577e+01	4.714e-13	4.883e-02	9.886e-12
988	990780	1.298577e+01	4.711e-13	4.883e-02	9.893e-12
989	991786	1.298577e+01	4.708e-13	4.883e-02	9.890e-12
990	992792	1.298577e+01	4.705e-13	4.883e-02	9.907e-12

				First-order	Norm of
Iter	F-count	f(x)	Feasibility	optimality	step
991	993798	1.298577e+01	4.702e-13	4.883e-02	9.921e-12
992	994804	1.298577e+01	4.699e-13	4.883e-02	9.930e-12
993	995810	1.298577e+01	4.696e-13	4.883e-02	9.932e-12
994	996816	1.298577e+01	4.693e-13	4.883e-02	9.936e-12
995	997822	1.298577e+01	4.690e-13	4.883e-02	9.941e-12
996	998828	1.298577e+01	4.687e-13	4.883e-02	9.954e-12
997	999834	1.298577e+01	4.684e-13	4.883e-02	9.954e-12
998	1000840	1.298577e+01	4.681e-13	4.883e-02	9.958e-12
999	1001846	1.298577e+01	4.679e-13	4.883e-02	9.963e-12
1000	1002852	1.298577e+01	4.676e-13	4.883e-02	9.960e-12

Feasible point with lower objective function value found.

Solver stopped prematurely.

fmincon stopped because it exceeded the iteration limit,
options.MaxIterations = 1.000000e+03.

Your initial point x0 is not between bounds lb and ub; FMINCON
shifted x0 to strictly satisfy the bounds.

Iter	F-count	f(x)	Feasibility	First-order optimality	Norm of step
0	1001	1.945127e+01	4.411e-03	3.932e+00	
1	2002	1.681806e+01	3.196e-03	3.953e+00	8.588e-01
2	3003	1.441014e+01	2.063e-03	6.888e+00	1.097e+00
3	4006	1.394825e+01	1.835e-03	7.635e+00	2.984e-01
4	5008	1.289955e+01	1.309e-03	9.198e+00	7.487e-01
5	6010	1.187597e+01	7.495e-04	1.059e+01	1.112e+00
6	7012	1.139437e+01	3.746e-04	1.386e+01	1.573e+00
7	8014	1.148990e+01	2.595e-04	2.512e+01	2.552e+00
8	9016	1.225449e+01	3.982e-04	4.723e+01	3.988e+00
9	10018	1.312841e+01	3.211e-04	5.667e+01	1.878e+00
10	11020	1.429112e+01	1.349e-04	6.433e+01	2.982e+00
11	12021	1.452632e+01	5.408e-05	6.621e+01	1.216e+00
12	13022	1.431934e+01	3.650e-04	6.629e+01	2.172e+00
13	14023	1.442622e+01	9.645e-04	6.645e+01	3.365e+00
14	15024	1.503719e+01	6.896e-04	6.643e+01	2.577e+00
15	16025	1.589055e+01	3.602e-04	5.894e+01	3.871e+00
16	17026	1.625292e+01	7.860e-05	4.774e+01	1.340e+00
17	18028	1.662489e+01	6.510e-05	3.573e+01	3.473e+00
18	19029	1.635323e+01	7.285e-05	2.555e+01	1.115e+00
19	20031	1.689035e+01	3.133e-05	1.989e+01	2.405e+00
20	21033	1.690407e+01	1.917e-05	1.310e+01	1.695e+00
21	22034	1.409960e+01	2.623e-04	9.304e+00	2.756e+00
22	23035	1.327080e+01	2.125e-04	9.712e+00	1.183e+00
23	24036	1.235061e+01	1.356e-04	9.792e+00	1.387e+00
24	25037	1.219738e+01	1.599e-04	4.921e+00	1.282e+00
25	26038	1.223522e+01	7.399e-05	3.436e+00	5.789e-01
26	27039	1.226075e+01	9.692e-06	3.341e+00	3.780e-01
27	28040	1.227456e+01	8.564e-06	3.377e+00	3.342e-01
28	29041	1.226342e+01	2.371e-06	2.898e+00	2.739e-01
29	30042	1.170194e+01	3.955e-05	2.785e+00	9.739e-01
30	31043	1.111302e+01	4.141e-05	3.478e+00	1.262e+00

Iter	F-count	f(x)	Feasibility	First-order optimality	Norm of step
31	32044	1.112076e+01	1.832e-05	3.590e+00	4.872e-01
32	33045	1.108614e+01	2.228e-05	2.632e+00	3.564e-01
33	34046	1.109737e+01	1.616e-05	2.506e+00	4.076e-01
34	35047	1.109748e+01	2.075e-06	2.071e+00	1.823e-01
35	36048	1.109099e+01	5.514e-06	2.041e+00	2.581e-01
36	37049	1.108948e+01	6.715e-07	1.929e+00	1.880e-01
37	38050	1.108374e+01	3.649e-06	2.007e+00	4.969e-01
38	39051	1.108141e+01	2.959e-06	1.296e+00	1.928e-01
39	40052	1.108073e+01	3.498e-06	9.618e-01	2.553e-01
40	41053	1.107992e+01	1.075e-06	3.757e-01	1.216e-01
41	42054	1.085991e+01	2.548e-05	8.373e-01	6.543e-01

Iter	F-count	f(x)	Feasibility	First-order optimality	Norm of step
42	43055	1.084063e+01	7.761e-06	4.845e-01	2.179e-01
43	44056	1.082115e+01	8.449e-06	1.441e+00	5.558e-01
44	45057	1.082032e+01	1.442e-06	1.004e+00	1.942e-01
45	46058	1.081959e+01	2.452e-06	9.971e-01	8.800e-02
46	47059	1.081772e+01	7.040e-07	7.004e-01	9.024e-02
47	48060	1.081713e+01	1.770e-07	6.033e-01	6.631e-02
48	49061	1.081612e+01	2.150e-07	3.286e-01	7.245e-02
49	50062	1.081574e+01	2.974e-07	2.122e-01	6.506e-02
50	51063	1.081546e+01	2.439e-07	1.576e-01	6.655e-02
51	52064	1.081532e+01	2.436e-07	2.038e-01	9.728e-02
52	53065	1.081518e+01	1.024e-07	3.292e-01	8.621e-02
53	54066	1.081504e+01	1.454e-07	3.773e-01	1.242e-01
54	55067	1.081498e+01	8.514e-08	4.950e-01	1.130e-01
55	56068	1.081489e+01	2.081e-07	5.292e-01	1.618e-01
56	57069	1.081485e+01	1.550e-07	6.255e-01	1.504e-01
57	58070	1.081475e+01	9.256e-08	5.473e-01	1.604e-01
58	59071	1.081478e+01	1.212e-07	4.636e-01	1.059e-01
59	60072	1.081472e+01	1.124e-07	2.957e-01	1.105e-01
60	61073	1.081474e+01	7.242e-08	2.194e-01	8.821e-02

Iter	F-count	f(x)	Feasibility	First-order optimality	Norm of step
61	62074	1.081464e+01	7.973e-08	1.954e-01	9.383e-02
62	63075	1.081455e+01	3.636e-08	2.618e-01	7.869e-02
63	64076	1.081444e+01	5.475e-08	3.571e-01	9.725e-02
64	65077	1.081440e+01	7.702e-08	4.446e-01	8.987e-02
65	66078	1.081445e+01	4.473e-08	4.010e-01	8.519e-02
66	67079	1.081448e+01	7.431e-08	3.538e-01	6.338e-02
67	68080	1.081452e+01	4.744e-08	3.001e-01	8.416e-02
68	69081	1.081443e+01	5.964e-08	3.876e-01	1.060e-01
69	70082	1.081437e+01	7.842e-08	4.787e-01	1.328e-01
70	71083	1.081425e+01	8.608e-08	5.358e-01	1.032e-01
71	72084	1.081430e+01	2.076e-08	4.167e-01	7.442e-02
72	73085	1.081428e+01	1.580e-08	3.060e-01	4.799e-02
73	74086	1.081435e+01	2.267e-08	1.947e-01	6.222e-02
74	75087	1.081426e+01	4.251e-08	1.999e-01	6.502e-02
75	76088	1.081431e+01	2.557e-08	2.041e-01	8.229e-02
76	77089	1.081421e+01	1.510e-08	2.792e-01	6.619e-02
77	78090	1.081430e+01	2.285e-08	3.194e-01	8.684e-02
78	79091	1.081418e+01	5.239e-08	4.451e-01	7.917e-02
79	80092	1.081430e+01	2.687e-08	4.424e-01	1.054e-01
80	81093	1.081412e+01	4.031e-08	4.668e-01	7.565e-02
81	82094	1.081428e+01	2.580e-08	3.409e-01	9.331e-02
82	83095	1.081409e+01	2.345e-08	3.344e-01	6.039e-02
83	84096	1.081434e+01	1.758e-08	2.417e-01	9.490e-02
84	85097	1.081417e+01	2.806e-08	2.871e-01	4.853e-02
85	86098	1.081443e+01	2.137e-08	2.526e-01	1.035e-01
86	87099	1.081417e+01	3.463e-08	4.311e-01	6.510e-02
87	88100	1.081439e+01	2.141e-08	3.572e-01	1.066e-01
88	89101	1.081409e+01	2.320e-08	4.795e-01	5.897e-02
89	90102	1.081427e+01	1.831e-08	3.212e-01	8.968e-02
90	91103	1.081398e+01	4.135e-08	4.140e-01	7.424e-02

Iter	F-count	f(x)	Feasibility	First-order optimality	Norm of step
91	92104	1.081415e+01	2.561e-08	3.467e-01	1.143e-01
92	93105	1.081391e+01	2.359e-08	3.775e-01	7.300e-02
93	94106	1.081405e+01	1.485e-08	2.968e-01	8.706e-02
94	95107	1.081388e+01	2.546e-08	4.003e-01	6.702e-02
95	96108	1.081400e+01	1.191e-08	3.878e-01	9.676e-02
96	97109	1.081384e+01	2.592e-08	4.864e-01	8.230e-02
97	98110	1.081397e+01	1.383e-08	4.260e-01	9.444e-02
98	99111	1.081385e+01	1.943e-08	3.445e-01	6.832e-02
99	100112	1.081398e+01	1.496e-08	2.701e-01	8.007e-02
100	101113	1.081388e+01	2.917e-08	2.389e-01	5.435e-02
101	102114	1.081399e+01	9.971e-09	2.711e-01	9.118e-02
102	103115	1.081388e+01	1.515e-08	3.702e-01	6.097e-02
103	104116	1.081399e+01	1.110e-08	4.120e-01	1.006e-01
104	105117	1.081386e+01	1.235e-08	4.755e-01	7.377e-02
105	106118	1.081399e+01	1.116e-08	4.289e-01	9.467e-02
106	107119	1.081386e+01	1.497e-08	3.565e-01	5.765e-02
107	108120	1.081398e+01	9.076e-09	2.333e-01	8.001e-02
108	109121	1.081386e+01	1.406e-08	2.956e-01	5.430e-02
109	110122	1.081397e+01	1.247e-08	2.213e-01	1.004e-01
110	111123	1.081385e+01	2.545e-08	3.786e-01	5.468e-02
111	112124	1.081394e+01	1.267e-08	3.769e-01	9.511e-02
112	113125	1.081381e+01	2.430e-08	5.445e-01	7.416e-02
113	114126	1.081391e+01	1.391e-08	4.909e-01	1.072e-01
114	115127	1.081380e+01	2.632e-08	4.142e-01	6.512e-02
115	116128	1.081389e+01	6.353e-09	1.985e-01	5.987e-02
116	117129	1.081378e+01	1.723e-08	2.728e-01	5.457e-02
117	118130	1.081382e+01	8.195e-09	1.915e-01	8.797e-02
118	119131	1.081371e+01	1.482e-08	3.402e-01	6.252e-02
119	120132	1.081378e+01	7.112e-09	2.708e-01	6.996e-02
120	121133	1.081373e+01	1.070e-08	3.450e-01	4.219e-02

Iter	F-count	f(x)	Feasibility	First-order optimality	Norm of step
121	122134	1.081379e+01	8.978e-09	2.620e-01	6.772e-02
122	123135	1.081372e+01	1.433e-08	3.512e-01	7.914e-02
123	124136	1.081374e+01	6.285e-09	2.445e-01	8.021e-02
124	125137	1.081365e+01	9.756e-09	3.511e-01	9.064e-02
125	126138	1.081367e+01	9.206e-09	2.959e-01	1.015e-01
126	127139	1.081365e+01	1.240e-08	4.220e-01	7.193e-02
127	128140	1.081373e+01	7.699e-09	2.940e-01	7.778e-02
128	129141	1.081370e+01	1.034e-08	3.700e-01	4.787e-02
129	130142	1.081374e+01	9.456e-09	2.348e-01	7.928e-02
130	131143	1.081365e+01	2.158e-08	3.763e-01	6.546e-02
131	132144	1.081366e+01	1.595e-08	2.023e-01	8.323e-02
132	133145	1.081358e+01	1.466e-08	2.645e-01	5.142e-02
133	134146	1.081362e+01	8.927e-09	1.483e-01	6.784e-02
134	135147	1.081355e+01	8.907e-09	2.182e-01	4.852e-02
135	136148	1.081360e+01	1.144e-08	2.083e-01	1.002e-01
136	137149	1.081354e+01	1.200e-08	3.098e-01	5.457e-02
137	138150	1.081360e+01	7.126e-09	2.591e-01	8.237e-02
138	139151	1.081355e+01	9.493e-09	3.264e-01	6.541e-02

139	140152	1.081360e+01	7.487e-09	1.856e-01	7.602e-02
140	141153	1.081355e+01	2.236e-08	2.319e-01	6.149e-02
141	142154	1.081359e+01	6.090e-09	1.933e-01	6.690e-02
142	143155	1.081353e+01	1.649e-08	2.002e-01	4.003e-02
143	144156	1.081354e+01	7.885e-09	1.448e-01	6.986e-02
144	145157	1.081348e+01	2.646e-08	2.497e-01	3.785e-02
145	146158	1.081347e+01	1.323e-08	2.419e-01	5.456e-02
146	147159	1.081343e+01	1.033e-08	2.990e-01	4.777e-02
147	148160	1.081343e+01	5.513e-09	1.778e-01	5.095e-02
148	149161	1.081341e+01	5.864e-09	9.902e-02	6.172e-02
149	150162	1.075686e+01	6.111e-06	2.185e+00	7.224e-01
150	151163	1.074724e+01	3.115e-06	2.141e+00	3.394e-01

Iter	F-count	f(x)	Feasibility	First-order optimality	Norm of step
151	152165	1.074751e+01	1.539e-06	1.662e+00	1.325e-01
152	153166	1.074753e+01	1.487e-06	4.775e-01	4.868e-01
153	154167	1.074770e+01	8.027e-08	3.979e-01	1.298e-01
154	155168	1.074767e+01	1.238e-07	3.141e-01	2.411e-01
155	156169	1.074770e+01	2.085e-08	2.719e-01	1.531e-01
156	157170	1.074768e+01	3.708e-08	2.095e-01	1.412e-01
157	158171	1.074766e+01	2.098e-08	2.431e-01	8.792e-02
158	159172	1.074763e+01	1.631e-08	3.093e-01	6.809e-02
159	160173	1.074760e+01	9.040e-09	3.233e-01	3.925e-02
160	161174	1.074757e+01	1.726e-08	2.843e-01	4.454e-02
161	162175	1.074755e+01	1.742e-08	2.610e-01	4.264e-02
162	163176	1.074754e+01	2.528e-08	2.421e-01	5.520e-02
163	164177	1.074754e+01	1.561e-08	2.348e-01	5.775e-02
164	165178	1.074754e+01	1.395e-08	1.536e-01	4.973e-02
165	166179	1.074753e+01	7.563e-09	7.056e-02	3.596e-02
166	167180	1.074752e+01	1.224e-08	7.384e-02	2.888e-02
167	168181	1.074750e+01	1.128e-08	7.425e-02	2.599e-02
168	169182	1.074749e+01	6.950e-09	7.357e-02	2.473e-02
169	170183	1.074749e+01	4.116e-09	6.574e-02	2.346e-02
170	171184	1.074748e+01	3.590e-09	5.590e-02	2.450e-02
171	172185	1.074747e+01	3.022e-09	4.616e-02	2.521e-02
172	173186	1.074747e+01	2.023e-09	5.180e-02	2.749e-02
173	174187	1.074747e+01	1.725e-09	4.837e-02	2.880e-02
174	175188	1.074746e+01	1.293e-09	4.792e-02	2.837e-02
175	176189	1.074746e+01	1.218e-09	5.566e-02	2.992e-02
176	177190	1.074746e+01	5.117e-10	7.426e-02	3.290e-02
177	178191	1.074746e+01	1.045e-09	9.788e-02	3.324e-02
178	179192	1.074745e+01	6.486e-10	1.103e-01	2.850e-02
179	180193	1.074745e+01	6.615e-10	9.574e-02	2.027e-02
180	181194	1.074745e+01	9.790e-10	7.329e-02	1.335e-02

Iter	F-count	f(x)	Feasibility	First-order optimality	Norm of step
181	182195	1.074746e+01	5.733e-10	5.608e-02	1.480e-02
182	183196	1.074746e+01	1.070e-09	3.913e-02	1.952e-02
183	184197	1.074746e+01	1.956e-09	2.497e-02	2.176e-02
184	185198	1.074745e+01	3.053e-09	2.697e-02	2.078e-02
185	186199	1.074745e+01	3.282e-09	3.179e-02	2.140e-02

186	187200	1.074744e+01	1.223e-09	3.596e-02	2.610e-02
187	188201	1.074744e+01	1.274e-09	4.334e-02	3.285e-02
188	189202	1.074745e+01	2.016e-09	1.043e-01	3.596e-02
189	190203	1.074745e+01	1.924e-09	1.689e-01	3.832e-02
190	191204	1.074745e+01	1.852e-09	2.212e-01	4.020e-02
191	192205	1.074746e+01	3.002e-09	2.262e-01	3.809e-02
192	193206	1.074745e+01	2.706e-09	1.749e-01	3.095e-02
193	194207	1.074745e+01	1.463e-09	9.050e-02	2.424e-02
194	195208	1.074745e+01	1.136e-09	2.889e-02	2.106e-02
195	196209	1.074745e+01	1.050e-09	1.421e-02	2.087e-02
196	197210	1.073325e+01	2.171e-06	9.851e-01	3.261e-01
197	198213	1.073310e+01	1.621e-06	8.328e-01	3.549e-02
198	199214	1.073265e+01	2.176e-07	9.908e-02	1.972e-01
199	200215	1.073270e+01	2.253e-08	1.869e-01	5.742e-02
200	201218	1.073270e+01	2.196e-08	1.588e-01	2.929e-02
201	202222	1.073270e+01	2.159e-08	1.707e-01	2.094e-02
202	203226	1.073270e+01	2.169e-08	1.855e-01	2.229e-02
203	204230	1.073270e+01	2.175e-08	1.987e-01	2.219e-02
204	205232	1.073268e+01	3.162e-09	2.914e-01	1.611e-01
205	206233	1.073267e+01	1.125e-09	2.849e-01	4.501e-03
206	207235	1.073268e+01	1.634e-10	2.459e-01	1.293e-02
207	208239	1.073268e+01	1.744e-10	2.314e-01	1.768e-03
208	209264	1.073267e+01	3.191e-10	2.314e-01	3.105e-05
209	210267	1.073267e+01	3.407e-10	2.314e-01	1.916e-06

Converged to an infeasible point.

fmincon stopped because the size of the current step is less than
the value of the step size tolerance but constraints are not
satisfied to within the value of the constraint tolerance.

<stopping criteria details>
Your initial point x0 is not between bounds lb and ub; FMINCON
shifted x0 to strictly satisfy the bounds.

				First-order	Norm of
Iter	F-count	f(x)	Feasibility	optimality	step
0	1001	2.267383e+01	1.393e-02	4.799e+00	
1	2002	1.785896e+01	1.172e-02	4.797e+00	4.123e-01
2	3003	1.488165e+01	1.035e-02	4.797e+00	3.464e-01
3	4004	1.286479e+01	9.409e-03	4.796e+00	3.150e-01
4	5005	1.214305e+01	9.080e-03	5.228e+00	1.610e-01
5	6006	1.112710e+01	8.602e-03	6.255e+00	2.777e-01
6	7007	1.066435e+01	8.376e-03	6.834e+00	2.027e-01
7	8008	9.857670e+00	7.957e-03	7.980e+00	4.723e-01
8	9009	9.366327e+00	7.676e-03	8.916e+00	5.800e-01
9	10010	9.183013e+00	7.554e-03	9.483e+00	4.313e-01
10	11011	9.019104e+00	7.402e-03	1.569e+01	8.248e-01
11	12012	8.962474e+00	7.303e-03	2.533e+01	1.058e+00
12	13013	9.064084e+00	7.223e-03	5.521e+01	3.547e+00
13	14014	9.348317e+00	7.113e-03	5.937e+01	2.546e+00
14	15015	9.586068e+00	6.918e-03	5.738e+01	1.797e+00
15	16016	9.707728e+00	6.831e-03	5.669e+01	5.244e-01

Iter	F-count	f(x)	Feasibility	First-order optimality	Norm of step
16	17017	9.821712e+00	6.759e-03	5.569e+01	6.042e-01
17	18018	9.989103e+00	6.677e-03	5.592e+01	6.972e-01
18	19019	1.017332e+01	6.601e-03	5.735e+01	7.097e-01
19	20020	1.051882e+01	6.491e-03	5.857e+01	1.069e+00
20	21021	1.075264e+01	6.425e-03	5.882e+01	5.761e-01
21	22022	1.128408e+01	6.290e-03	5.886e+01	1.230e+00
22	23023	1.149203e+01	6.222e-03	5.886e+01	7.075e-01
23	24024	1.179934e+01	6.129e-03	5.954e+01	1.534e+00
24	25026	1.179975e+01	6.129e-03	5.954e+01	3.830e-03
25	26027	1.184694e+01	6.116e-03	5.965e+01	1.488e-01
26	27028	1.206416e+01	6.065e-03	6.011e+01	5.609e-01
27	28029	1.226558e+01	6.018e-03	6.040e+01	4.858e-01
28	29030	1.240975e+01	5.985e-03	6.061e+01	4.150e-01
29	30031	1.259623e+01	5.943e-03	6.078e+01	4.683e-01
30	31033	1.259690e+01	5.943e-03	6.078e+01	1.615e-03

Iter	F-count	f(x)	Feasibility	First-order optimality	Norm of step
31	32034	1.261410e+01	5.938e-03	6.079e+01	6.011e-02
32	33035	1.328593e+01	5.795e-03	6.157e+01	2.043e+00
33	34036	1.367068e+01	5.688e-03	6.169e+01	1.217e+00
34	35037	1.368034e+01	5.685e-03	6.168e+01	2.371e-02
35	36038	1.435800e+01	5.491e-03	6.056e+01	1.727e+00
36	37039	1.441132e+01	5.478e-03	6.059e+01	1.279e-01
37	38040	1.473305e+01	5.389e-03	6.084e+01	8.500e-01
38	39041	1.476460e+01	5.379e-03	6.086e+01	8.249e-02
39	40042	1.511476e+01	5.261e-03	6.106e+01	8.883e-01
40	41043	1.513710e+01	5.255e-03	6.108e+01	5.876e-02
41	42044	1.532188e+01	5.200e-03	6.117e+01	6.866e-01
42	43045	1.535662e+01	5.190e-03	6.117e+01	1.251e-01
43	44046	1.558327e+01	5.123e-03	6.115e+01	9.188e-01
44	45047	1.595885e+01	5.037e-03	6.107e+01	1.095e+00
45	46048	1.598305e+01	5.033e-03	6.108e+01	4.936e-02
46	47049	1.598854e+01	5.031e-03	6.108e+01	1.565e-02
47	48050	1.607832e+01	4.997e-03	6.108e+01	4.121e-01
48	49051	1.672460e+01	4.909e-03	6.111e+01	1.752e+00
49	50052	1.679600e+01	4.895e-03	6.111e+01	1.266e-01
50	51053	1.698473e+01	4.857e-03	6.112e+01	3.877e-01
51	52054	1.699047e+01	4.853e-03	6.113e+01	4.429e-02
52	53055	1.732925e+01	4.740e-03	6.141e+01	1.438e+00
53	54056	1.755103e+01	4.676e-03	6.147e+01	7.659e-01
54	55057	1.763557e+01	4.658e-03	6.148e+01	1.876e-01
55	56058	1.776869e+01	4.620e-03	6.143e+01	3.246e-01
56	57059	1.825415e+01	4.539e-03	6.145e+01	6.639e-01
57	58060	1.840924e+01	4.489e-03	6.140e+01	4.829e-01
58	59061	1.850305e+01	4.464e-03	6.130e+01	2.015e-01
59	60062	1.850709e+01	4.459e-03	6.131e+01	3.288e-02
60	61063	1.862222e+01	4.408e-03	6.140e+01	7.111e-01

Iter	F-count	f(x)	Feasibility	First-order optimality	Norm of step
61	62064	1.862341e+01	4.407e-03	6.141e+01	1.004e-02
62	63065	1.873394e+01	4.342e-03	6.163e+01	8.858e-01

Iter	F-count	f(x)	Feasibility	First-order optimality	Norm of step
63	64066	1.890024e+01	4.289e-03	6.166e+01	5.947e-01
64	65067	1.890309e+01	4.288e-03	6.165e+01	1.044e-02
65	66068	1.961377e+01	4.176e-03	6.152e+01	2.234e+00
66	67069	1.962794e+01	4.172e-03	6.153e+01	2.295e-02
67	68070	1.993762e+01	4.110e-03	6.168e+01	4.109e-01
68	69071	2.003155e+01	4.075e-03	6.166e+01	4.018e-01
69	70072	2.008110e+01	4.051e-03	6.168e+01	2.111e-01
70	71073	2.020777e+01	4.014e-03	6.167e+01	4.271e-01
71	72074	2.024694e+01	4.001e-03	6.169e+01	1.677e-01
72	73075	2.062253e+01	3.925e-03	6.178e+01	7.830e-01
73	74076	2.062643e+01	3.923e-03	6.177e+01	2.005e-02
74	75077	2.096322e+01	3.845e-03	6.220e+01	8.463e-01
75	76078	2.122171e+01	3.793e-03	6.246e+01	6.845e-01
76	77079	2.123025e+01	3.788e-03	6.248e+01	4.794e-02
77	78080	2.149536e+01	3.654e-03	6.237e+01	1.429e+00
78	79081	2.161353e+01	3.619e-03	6.236e+01	5.532e-01
79	80082	2.196715e+01	3.507e-03	6.258e+01	1.429e+00
80	81083	2.227075e+01	3.433e-03	6.278e+01	1.005e+00
81	82084	2.240488e+01	3.386e-03	6.285e+01	4.767e-01
82	83085	2.239728e+01	3.363e-03	6.291e+01	2.292e-01
83	84086	2.236025e+01	3.333e-03	6.289e+01	1.843e-01
84	85087	2.239853e+01	3.141e-03	6.340e+01	2.994e+00
85	86088	2.237769e+01	3.109e-03	6.346e+01	2.659e-01
86	87089	2.240425e+01	3.094e-03	6.348e+01	1.738e-01
87	88091	2.240434e+01	3.094e-03	6.348e+01	7.443e-04
88	89092	2.240792e+01	3.087e-03	6.349e+01	5.448e-02
89	90093	2.250548e+01	3.000e-03	6.365e+01	7.944e-01
90	91094	2.255222e+01	2.975e-03	6.371e+01	2.266e-01

Iter	F-count	f(x)	Feasibility	First-order optimality	Norm of step
91	92095	2.260668e+01	2.960e-03	6.375e+01	1.665e-01
92	93096	2.296648e+01	2.918e-03	6.382e+01	4.461e-01
93	94097	2.351861e+01	2.858e-03	6.398e+01	6.957e-01
94	95098	2.353460e+01	2.853e-03	6.399e+01	6.385e-02
95	96099	2.364759e+01	2.813e-03	6.414e+01	3.761e-01
96	97100	2.372843e+01	2.752e-03	6.424e+01	6.685e-01
97	98101	2.385111e+01	2.671e-03	6.433e+01	1.571e+00
98	99102	2.403698e+01	2.589e-03	6.450e+01	1.063e+00
99	100103	2.416065e+01	2.544e-03	6.462e+01	6.643e-01
100	101104	2.458222e+01	2.437e-03	6.491e+01	1.350e+00
101	102105	2.495386e+01	2.380e-03	6.492e+01	7.109e-01
102	103106	2.539548e+01	2.334e-03	6.505e+01	6.447e-01
103	104107	2.540741e+01	2.331e-03	6.505e+01	5.002e-02
104	105108	2.555959e+01	2.306e-03	6.511e+01	4.056e-01
105	106109	2.560834e+01	2.296e-03	6.512e+01	1.472e-01
106	107110	2.564200e+01	2.290e-03	6.513e+01	8.907e-02
107	108111	2.609946e+01	2.213e-03	6.531e+01	1.270e+00
108	109112	2.610333e+01	2.213e-03	6.532e+01	1.046e-02
109	110113	2.621723e+01	2.188e-03	6.538e+01	2.862e-01
110	111114	2.637392e+01	2.166e-03	6.543e+01	2.829e-01
111	112115	2.686484e+01	2.089e-03	6.566e+01	1.260e+00
112	113116	2.694788e+01	2.079e-03	6.571e+01	1.792e-01

Iter	F-count	f(x)	Feasibility	First-order optimality	Norm of step
113	114117	2.703184e+01	2.063e-03	6.577e+01	1.890e-01
114	115118	2.744638e+01	2.008e-03	6.603e+01	7.988e-01
115	116119	2.768915e+01	1.976e-03	6.618e+01	4.754e-01
116	117120	2.785780e+01	1.956e-03	6.631e+01	3.348e-01
117	118121	2.794383e+01	1.937e-03	6.637e+01	2.647e-01
118	119122	2.794591e+01	1.935e-03	6.638e+01	3.900e-02
119	120123	2.798919e+01	1.918e-03	6.641e+01	2.719e-01
120	121124	2.806887e+01	1.890e-03	6.649e+01	5.171e-01

Iter	F-count	f(x)	Feasibility	First-order optimality	Norm of step
121	122125	2.810600e+01	1.877e-03	6.657e+01	1.973e-01
122	123126	2.836757e+01	1.819e-03	6.698e+01	1.212e+00
123	124127	2.843208e+01	1.807e-03	6.705e+01	1.711e-01
124	125128	2.909164e+01	1.752e-03	6.797e+01	9.072e-01
125	126129	2.913306e+01	1.748e-03	6.804e+01	9.205e-02
126	127130	2.920962e+01	1.738e-03	6.818e+01	1.540e-01
127	128131	2.934354e+01	1.724e-03	6.837e+01	2.437e-01
128	129132	2.949508e+01	1.711e-03	6.854e+01	1.892e-01
129	130133	2.950488e+01	1.710e-03	6.855e+01	1.637e-02
130	131134	2.996061e+01	1.673e-03	6.892e+01	7.158e-01
131	132135	3.003126e+01	1.663e-03	6.894e+01	1.837e-01
132	133136	3.019155e+01	1.642e-03	6.899e+01	3.527e-01
133	134137	3.026062e+01	1.633e-03	6.900e+01	2.046e-01
134	135138	3.058333e+01	1.599e-03	6.908e+01	7.077e-01
135	136139	3.078816e+01	1.573e-03	6.913e+01	3.726e-01
136	137140	3.097676e+01	1.546e-03	6.918e+01	4.050e-01
137	138141	3.139013e+01	1.501e-03	6.923e+01	7.333e-01
138	139142	3.173284e+01	1.463e-03	6.927e+01	6.238e-01
139	140143	3.181716e+01	1.450e-03	6.931e+01	1.999e-01
140	141144	3.184071e+01	1.446e-03	6.933e+01	4.934e-02
141	142145	3.191617e+01	1.432e-03	6.937e+01	1.175e-01
142	143146	3.195948e+01	1.424e-03	6.939e+01	9.672e-02
143	144147	3.245671e+01	1.350e-03	6.973e+01	1.125e+00
144	145148	3.258982e+01	1.326e-03	6.980e+01	3.893e-01
145	146149	3.284064e+01	1.288e-03	6.994e+01	7.846e-01
146	147150	3.284572e+01	1.286e-03	6.994e+01	2.507e-02
147	148151	3.293942e+01	1.261e-03	7.000e+01	3.141e-01
148	149152	3.299642e+01	1.249e-03	7.004e+01	1.893e-01
149	150153	3.311702e+01	1.206e-03	7.011e+01	6.381e-01
150	151154	3.344302e+01	1.136e-03	7.034e+01	1.281e+00

Iter	F-count	f(x)	Feasibility	First-order optimality	Norm of step
151	152155	3.380924e+01	1.047e-03	7.054e+01	1.539e+00
152	153156	3.381155e+01	1.046e-03	7.054e+01	1.612e-02
153	154157	3.385281e+01	1.019e-03	7.056e+01	4.946e-01
154	155158	3.394500e+01	9.695e-04	7.057e+01	8.391e-01
155	156159	3.403221e+01	9.304e-04	7.061e+01	6.406e-01
156	157160	3.423311e+01	8.571e-04	7.088e+01	1.212e+00
157	158161	3.430956e+01	8.332e-04	7.089e+01	4.117e-01
158	159162	3.450709e+01	7.833e-04	7.115e+01	9.400e-01
159	160163	3.472244e+01	7.394e-04	7.119e+01	7.627e-01

Iter	F-count	f(x)	Feasibility	First-order optimality	Norm of step
160	161164	3.472461e+01	7.389e-04	7.119e+01	6.116e-03
161	162165	3.475746e+01	7.198e-04	7.124e+01	3.056e-01
162	163166	3.486579e+01	6.964e-04	7.131e+01	3.895e-01
163	164167	3.510103e+01	6.550e-04	7.144e+01	8.256e-01
164	165168	3.517482e+01	6.463e-04	7.147e+01	2.147e-01
165	166169	3.517919e+01	6.456e-04	7.147e+01	9.780e-03
166	167170	3.529480e+01	6.301e-04	7.146e+01	3.751e-01
167	168171	3.534937e+01	6.243e-04	7.147e+01	1.070e-01
168	169172	3.539563e+01	6.189e-04	7.148e+01	1.058e-01
169	170173	3.548515e+01	6.118e-04	7.150e+01	2.131e-01
170	171174	3.549426e+01	6.110e-04	7.150e+01	2.043e-02
171	172175	3.592886e+01	5.971e-04	7.157e+01	1.013e+00
172	173176	3.599501e+01	5.921e-04	7.159e+01	1.316e-01
173	174177	3.603390e+01	5.852e-04	7.158e+01	1.514e-01
174	175178	3.607196e+01	5.776e-04	7.158e+01	1.533e-01
175	176179	3.610010e+01	5.734e-04	7.158e+01	1.006e-01
176	177180	3.620293e+01	5.590e-04	7.154e+01	4.639e-01
177	178181	3.622890e+01	5.557e-04	7.153e+01	9.442e-02
178	179182	3.660019e+01	5.405e-04	7.157e+01	1.309e+00
179	180183	3.660337e+01	5.396e-04	7.157e+01	1.528e-02
180	181184	3.664708e+01	5.255e-04	7.159e+01	2.339e-01

Iter	F-count	f(x)	Feasibility	First-order optimality	Norm of step
181	182185	3.667764e+01	5.181e-04	7.161e+01	1.450e-01
182	183186	3.682181e+01	4.802e-04	7.167e+01	6.490e-01
183	184187	3.682823e+01	4.789e-04	7.167e+01	2.029e-02
184	185188	3.695204e+01	4.599e-04	7.173e+01	4.948e-01
185	186190	3.727919e+01	4.294e-04	7.189e+01	1.154e+00
186	187191	3.751973e+01	4.091e-04	7.201e+01	1.040e+00
187	188192	3.752984e+01	4.073e-04	7.202e+01	3.045e-02
188	189193	3.780490e+01	3.602e-04	7.207e+01	8.320e-01
189	190194	3.797848e+01	3.257e-04	7.213e+01	4.282e-01
190	191195	3.797971e+01	3.252e-04	7.213e+01	3.691e-03
191	192196	3.817013e+01	2.077e-04	7.222e+01	1.155e+00
192	193197	3.818039e+01	2.024e-04	7.221e+01	6.658e-02
193	194198	3.819435e+01	1.980e-04	7.221e+01	7.470e-02
194	195199	3.837451e+01	2.180e-04	7.222e+01	1.042e+00
195	196200	3.837628e+01	2.167e-04	7.222e+01	1.645e-02
196	197201	3.838150e+01	2.102e-04	7.223e+01	6.595e-02
197	198202	3.852600e+01	1.400e-04	7.239e+01	1.521e+00
198	199203	3.852790e+01	1.382e-04	7.239e+01	1.881e-02
199	200204	3.864130e+01	6.434e-05	7.240e+01	1.206e+00
200	201205	3.859191e+01	6.310e-05	7.237e+01	6.129e-02
201	202206	3.849968e+01	6.165e-05	7.232e+01	1.032e-01
202	203207	3.777274e+01	6.845e-05	7.183e+01	5.268e-01
203	204208	3.715282e+01	6.508e-05	7.159e+01	3.341e-01
204	205209	3.708326e+01	6.385e-05	7.156e+01	3.489e-02
205	206210	3.628732e+01	8.360e-05	7.126e+01	4.072e-01
206	207211	3.627139e+01	8.322e-05	7.126e+01	1.000e-02
207	208212	3.617954e+01	8.261e-05	7.123e+01	5.976e-02
208	209213	3.585633e+01	6.749e-05	7.123e+01	2.654e-01
209	210214	3.546780e+01	6.421e-05	7.134e+01	2.819e-01

Iter	F-count	f(x)	Feasibility	First-order optimality	Norm of step
210	211215	3.473464e+01	1.132e-04	7.145e+01	5.937e-01

Iter	F-count	f(x)	Feasibility	First-order optimality	Norm of step
211	212216	3.460326e+01	1.116e-04	7.145e+01	1.268e-01
212	213217	3.432033e+01	9.862e-05	7.134e+01	2.738e-01
213	214218	3.398952e+01	9.021e-05	7.125e+01	2.772e-01
214	215219	3.365453e+01	8.601e-05	7.114e+01	3.595e-01
215	216220	3.345694e+01	7.992e-05	7.116e+01	2.887e-01
216	217221	3.330329e+01	7.351e-05	7.107e+01	2.010e-01
217	218222	3.317747e+01	7.033e-05	7.099e+01	1.728e-01
218	219223	3.297363e+01	6.694e-05	7.082e+01	3.088e-01
219	220224	3.287853e+01	6.312e-05	7.078e+01	1.051e-01
220	221225	3.261375e+01	5.748e-05	7.064e+01	4.850e-01
221	222226	3.251549e+01	5.656e-05	7.059e+01	2.170e-01
222	223227	3.238037e+01	5.201e-05	7.048e+01	2.326e-01
223	224228	3.227460e+01	5.022e-05	7.036e+01	2.233e-01
224	225229	3.186884e+01	4.735e-05	6.997e+01	8.225e-01
225	226230	3.163999e+01	5.140e-05	6.977e+01	4.300e-01
226	227231	3.117477e+01	8.929e-05	6.938e+01	9.216e-01
227	228232	3.105245e+01	8.037e-05	6.927e+01	2.801e-01
228	229233	3.077789e+01	6.933e-05	6.901e+01	5.679e-01
229	230234	3.070852e+01	6.316e-05	6.895e+01	1.347e-01
230	231235	3.059264e+01	5.826e-05	6.881e+01	2.534e-01
231	232236	3.044473e+01	5.385e-05	6.863e+01	3.553e-01
232	233237	3.026842e+01	5.222e-05	6.844e+01	4.145e-01
233	234238	3.011259e+01	4.598e-05	6.830e+01	3.503e-01
234	235239	2.998259e+01	4.188e-05	6.821e+01	2.327e-01
235	236240	2.980545e+01	3.791e-05	6.808e+01	4.067e-01
236	237241	2.947937e+01	3.533e-05	6.789e+01	7.370e-01
237	238242	2.921233e+01	2.859e-05	6.779e+01	7.129e-01
238	239243	2.906967e+01	2.598e-05	6.776e+01	4.229e-01
239	240244	2.874214e+01	3.111e-05	6.787e+01	1.045e+00
240	241245	2.844979e+01	5.269e-05	6.818e+01	1.074e+00

Iter	F-count	f(x)	Feasibility	First-order optimality	Norm of step
241	242246	2.839308e+01	4.840e-05	6.821e+01	2.631e-01
242	243247	2.826063e+01	5.012e-05	6.825e+01	5.164e-01
243	244248	2.820204e+01	4.512e-05	6.821e+01	3.110e-01
244	245249	2.801354e+01	3.047e-05	6.604e+01	8.969e-01
245	246250	2.778016e+01	4.622e-05	6.583e+01	9.109e-01
246	247251	2.770183e+01	4.828e-05	6.607e+01	2.732e-01
247	248252	2.756495e+01	4.205e-05	7.110e+01	4.094e-01
248	249253	2.738389e+01	4.849e-05	7.705e+01	5.428e-01
249	250254	2.733365e+01	4.618e-05	7.868e+01	1.473e-01
250	251255	2.711037e+01	3.768e-05	8.432e+01	5.440e-01
251	252256	2.694972e+01	3.202e-05	8.311e+01	4.682e-01
252	253257	2.688682e+01	3.002e-05	8.029e+01	2.054e-01
253	254259	2.650924e+01	3.964e-05	8.280e+01	1.333e+00
254	255260	2.644586e+01	3.792e-05	8.282e+01	2.625e-01
255	256261	2.634880e+01	2.548e-05	7.456e+01	7.198e-01
256	257262	2.632813e+01	2.400e-05	6.934e+01	8.889e-02

Iter	F-count	f(x)	Feasibility	First-order optimality	Norm of step
257	258263	2.612205e+01	2.246e-05	6.729e+01	7.919e-01
258	259264	2.607660e+01	2.057e-05	6.411e+01	2.015e-01
259	260265	2.600921e+01	1.804e-05	6.243e+01	2.730e-01
260	261266	2.586998e+01	1.996e-05	6.049e+01	5.020e-01
261	262267	2.583282e+01	1.886e-05	5.752e+01	1.522e-01
262	263268	2.577948e+01	1.685e-05	5.561e+01	2.399e-01
263	264269	2.557221e+01	2.773e-05	5.456e+01	8.159e-01
264	265270	2.547366e+01	3.224e-05	5.347e+01	4.012e-01
265	266271	2.528388e+01	4.762e-05	5.036e+01	7.784e-01
266	267272	2.525307e+01	4.620e-05	3.820e+01	1.317e-01
267	268273	2.511062e+01	5.213e-05	3.905e+01	5.935e-01
268	269275	2.497919e+01	5.575e-05	3.996e+01	5.375e-01
269	270276	2.480735e+01	6.468e-05	4.331e+01	7.312e-01
270	271277	2.472449e+01	5.820e-05	4.592e+01	4.025e-01

Iter	F-count	f(x)	Feasibility	First-order optimality	Norm of step
271	272278	2.462372e+01	4.760e-05	4.769e+01	4.922e-01
272	273279	2.455136e+01	4.330e-05	4.767e+01	3.237e-01
273	274280	2.446255e+01	3.579e-05	4.683e+01	4.402e-01
274	275281	2.428511e+01	5.142e-05	3.690e+01	8.324e-01
275	276282	2.423688e+01	4.919e-05	3.695e+01	2.477e-01
276	277283	2.418364e+01	4.678e-05	3.696e+01	2.397e-01
277	278284	2.404697e+01	4.071e-05	3.695e+01	5.075e-01
278	279285	2.390750e+01	4.061e-05	3.575e+01	5.517e-01
279	280286	2.386762e+01	3.152e-05	3.384e+01	2.035e-01
280	281287	2.377026e+01	2.166e-05	3.185e+01	4.325e-01
281	282288	2.365143e+01	1.418e-05	2.999e+01	6.188e-01
282	283289	2.357865e+01	1.690e-05	2.822e+01	5.366e-01
283	284291	2.351441e+01	3.444e-06	2.739e+01	9.535e-01
284	285293	2.345980e+01	3.137e-07	2.800e+01	6.927e-01
285	286295	2.338856e+01	5.410e-06	2.816e+01	8.015e-01
286	287297	2.329587e+01	8.597e-06	2.774e+01	9.952e-01
287	288298	2.327179e+01	7.313e-06	2.683e+01	2.388e-01
288	289300	2.323591e+01	7.683e-06	2.558e+01	2.506e-01
289	290301	2.319508e+01	1.548e-05	2.340e+01	2.891e-01
290	291305	2.316436e+01	1.907e-05	2.325e+01	2.400e-01
291	292309	2.313438e+01	2.242e-05	2.308e+01	2.437e-01
292	293313	2.309751e+01	2.722e-05	2.287e+01	3.040e-01
293	294316	2.306795e+01	2.938e-05	2.268e+01	2.472e-01
294	295318	2.301488e+01	3.740e-05	2.228e+01	4.372e-01
295	296320	2.296570e+01	4.209e-05	2.165e+01	4.052e-01
296	297321	2.289396e+01	5.030e-05	2.007e+01	5.754e-01
297	298322	2.285258e+01	2.905e-05	1.824e+01	3.904e-01
298	299323	2.281070e+01	1.871e-05	1.956e+01	3.400e-01
299	300324	2.271922e+01	1.533e-05	2.196e+01	7.848e-01
300	301325	2.265721e+01	2.357e-05	1.972e+01	8.315e-01

Iter	F-count	f(x)	Feasibility	First-order optimality	Norm of step
301	302326	2.264253e+01	1.637e-05	1.572e+01	3.543e-01
302	303327	2.260973e+01	1.506e-05	1.199e+01	4.511e-01
303	304328	2.257772e+01	9.080e-06	1.341e+01	5.153e-01

Iter	F-count	f(x)	Feasibility	First-order optimality	Norm of step
304	305330	2.256716e+01	1.918e-06	1.671e+01	7.614e-01
305	306331	2.252842e+01	3.184e-06	1.669e+01	3.334e-01
306	307333	2.248951e+01	7.516e-07	1.607e+01	5.570e-01
307	308335	2.244015e+01	7.420e-06	1.667e+01	5.738e-01
308	309337	2.239025e+01	8.534e-06	1.745e+01	6.528e-01
309	310338	2.236445e+01	8.468e-06	1.950e+01	4.029e-01
310	311339	2.233041e+01	6.125e-06	1.260e+01	3.209e-01
311	312341	2.227079e+01	1.165e-05	1.198e+01	6.495e-01
312	313343	2.222039e+01	2.353e-06	1.081e+01	9.435e-01
313	314345	2.219118e+01	2.689e-07	9.671e+00	5.854e-01
314	315347	2.218169e+01	8.289e-07	9.853e+00	1.107e-01
315	316348	2.216273e+01	2.390e-06	9.925e+00	1.547e-01
316	317350	2.209039e+01	1.873e-06	1.384e+01	9.462e-01
317	318351	2.206591e+01	4.724e-06	1.395e+01	3.382e-01
318	319353	2.203244e+01	6.684e-07	1.633e+01	9.120e-01
319	320355	2.201801e+01	4.821e-08	1.120e+01	3.162e-01
320	321357	2.198585e+01	2.780e-07	1.026e+01	6.537e-01
321	322359	2.196618e+01	2.656e-07	1.030e+01	4.444e-01
322	323361	2.194564e+01	9.660e-07	8.372e+00	5.763e-01
323	324363	2.191970e+01	7.383e-08	8.692e+00	4.152e-01
324	325365	2.191331e+01	4.200e-07	8.351e+00	6.184e-02
325	326367	2.189940e+01	1.289e-06	8.355e+00	1.345e-01
326	327369	2.185040e+01	2.806e-06	9.843e+00	8.019e-01
327	328370	2.184601e+01	4.137e-06	8.529e+00	2.086e-01
328	329372	2.183623e+01	8.362e-07	1.088e+01	8.071e-01
329	330374	2.183461e+01	7.578e-07	7.858e+00	3.552e-02
330	331376	2.181840e+01	1.040e-07	7.973e+00	4.361e-01

Iter	F-count	f(x)	Feasibility	First-order optimality	Norm of step
331	332378	2.181396e+01	2.717e-08	8.687e+00	3.563e-01
332	333385	2.181179e+01	1.709e-07	8.669e+00	4.271e-01
333	334387	2.181091e+01	8.168e-08	7.883e+00	1.556e-01
334	335388	2.180761e+01	4.431e-07	7.790e+00	1.008e-01
335	336390	2.180295e+01	3.956e-08	6.835e+00	2.159e-01
336	337392	2.178988e+01	1.949e-07	6.745e+00	4.319e-01
337	338394	2.176740e+01	1.191e-06	6.678e+00	8.102e-01
338	339399	2.176367e+01	1.328e-06	6.671e+00	1.126e-01
339	340403	2.175989e+01	1.570e-06	6.665e+00	9.938e-02
340	341407	2.175575e+01	1.978e-06	6.659e+00	9.133e-02
341	342410	2.174793e+01	3.052e-06	7.135e+00	1.650e-01
342	343413	2.174065e+01	3.883e-06	7.520e+00	1.361e-01
343	344415	2.172544e+01	6.250e-06	7.512e+00	2.533e-01
344	345417	2.168215e+01	7.594e-06	6.940e+00	7.561e-01
345	346418	2.167434e+01	4.300e-06	9.710e+00	4.253e-01
346	347419	2.167116e+01	2.106e-06	1.105e+01	2.740e-01
347	348421	2.165389e+01	3.509e-07	1.222e+01	8.060e-01
348	349423	2.163691e+01	1.007e-07	1.247e+01	4.990e-01
349	350425	2.162586e+01	1.117e-07	1.029e+01	2.907e-01
350	351427	2.161611e+01	4.712e-08	7.757e+00	1.797e-01
351	352429	2.160909e+01	2.924e-08	5.444e+00	1.848e-01
352	353431	2.159672e+01	3.328e-08	5.448e+00	2.948e-01
353	354433	2.158779e+01	6.543e-08	5.484e+00	3.439e-01

Iter	F-count	f(x)	Feasibility	First-order optimality	Norm of step
354	355435	2.157954e+01	2.011e-08	5.490e+00	3.025e-01
355	356437	2.157662e+01	2.182e-08	5.477e+00	2.164e-01
356	357439	2.157273e+01	2.816e-08	5.485e+00	1.940e-01
357	358441	2.157123e+01	6.452e-09	5.494e+00	1.402e-01
358	359443	2.156865e+01	7.091e-09	5.490e+00	1.266e-01
359	360445	2.156702e+01	3.291e-09	5.487e+00	1.356e-01
360	361447	2.156475e+01	5.915e-09	5.488e+00	1.637e-01

Iter	F-count	f(x)	Feasibility	First-order optimality	Norm of step
361	362449	2.156316e+01	5.146e-09	5.483e+00	1.776e-01
362	363451	2.156162e+01	3.590e-09	5.479e+00	1.517e-01
363	364453	2.156057e+01	2.177e-09	5.484e+00	1.590e-01
364	365455	2.155932e+01	3.589e-09	5.309e+00	1.426e-01
365	366457	2.155818e+01	2.104e-09	5.169e+00	1.301e-01
366	367459	2.155701e+01	2.124e-09	5.069e+00	9.547e-02
367	368461	2.155568e+01	1.770e-09	5.010e+00	1.059e-01
368	369463	2.155379e+01	1.652e-09	4.920e+00	1.541e-01
369	370465	2.155186e+01	3.267e-09	4.808e+00	2.077e-01
370	371467	2.155014e+01	2.706e-09	4.701e+00	2.235e-01
371	372469	2.154899e+01	4.019e-09	4.613e+00	2.175e-01
372	373471	2.154798e+01	6.336e-09	4.567e+00	1.934e-01
373	374473	2.154712e+01	5.669e-09	4.531e+00	1.821e-01
374	375475	2.154571e+01	8.621e-09	4.529e+00	1.972e-01
375	376477	2.154366e+01	9.255e-09	4.536e+00	2.727e-01
376	377479	2.154057e+01	1.090e-08	4.550e+00	3.662e-01
377	378481	2.153749e+01	8.921e-09	4.567e+00	4.426e-01
378	379483	2.153477e+01	5.340e-09	4.577e+00	3.797e-01
379	380485	2.153271e+01	3.218e-09	4.575e+00	2.980e-01
380	381487	2.153033e+01	2.062e-09	4.582e+00	2.423e-01
381	382489	2.152746e+01	4.687e-09	4.540e+00	2.729e-01
382	383491	2.152383e+01	1.114e-08	4.466e+00	2.689e-01
383	384493	2.152088e+01	6.387e-09	4.345e+00	2.616e-01
384	385495	2.151889e+01	4.525e-09	4.239e+00	2.030e-01
385	386497	2.151781e+01	3.247e-09	4.141e+00	2.087e-01
386	387499	2.151629e+01	7.514e-09	4.073e+00	2.286e-01
387	388501	2.151450e+01	4.874e-09	4.007e+00	2.869e-01
388	389503	2.151210e+01	7.431e-09	3.945e+00	2.519e-01
389	390505	2.151000e+01	3.678e-09	3.838e+00	2.655e-01
390	391507	2.150794e+01	2.832e-09	3.710e+00	2.287e-01

Iter	F-count	f(x)	Feasibility	First-order optimality	Norm of step
391	392509	2.150649e+01	7.493e-09	3.512e+00	2.412e-01
392	393511	2.150481e+01	8.584e-09	3.322e+00	1.707e-01
393	394513	2.150327e+01	3.381e-09	3.058e+00	1.919e-01
394	395515	2.150157e+01	1.471e-09	2.745e+00	1.568e-01
395	396517	2.150079e+01	1.311e-09	2.342e+00	1.525e-01
396	397519	2.150007e+01	9.767e-10	1.984e+00	1.106e-01
397	398521	2.149984e+01	1.314e-09	1.637e+00	1.027e-01
398	399523	2.149937e+01	7.238e-10	1.399e+00	1.118e-01
399	400525	2.149923e+01	3.337e-10	1.202e+00	1.006e-01
400	401527	2.149884e+01	4.279e-10	1.119e+00	1.082e-01

Iter	F-count	f(x)	Feasibility	First-order optimality	Norm of step
401	402529	2.149872e+01	3.742e-10	1.071e+00	1.178e-01
402	403531	2.149854e+01	4.317e-10	1.067e+00	1.150e-01
403	404533	2.149869e+01	4.842e-10	1.220e+00	1.099e-01
404	405535	2.149859e+01	1.356e-10	1.220e+00	9.601e-02
405	406537	2.149854e+01	1.997e-10	1.222e+00	9.536e-02
406	407539	2.149825e+01	1.824e-10	1.346e+00	8.617e-02
407	408541	2.149809e+01	1.067e-10	1.288e+00	9.539e-02
408	409543	2.149780e+01	2.403e-10	1.150e+00	1.063e-01
409	410545	2.149769e+01	3.104e-10	1.023e+00	1.184e-01
410	411547	2.149748e+01	4.174e-10	9.817e-01	1.229e-01
411	412549	2.149744e+01	4.545e-10	1.005e+00	1.180e-01
412	413551	2.149733e+01	3.278e-10	1.095e+00	1.047e-01
413	414553	2.149739e+01	1.031e-10	1.046e+00	8.687e-02
414	415555	2.149734e+01	1.476e-10	1.046e+00	7.417e-02
415	416557	2.149739e+01	1.026e-10	1.046e+00	8.026e-02
416	417559	2.149725e+01	2.359e-10	9.435e-01	7.839e-02
417	418561	2.149721e+01	1.353e-10	8.672e-01	8.250e-02
418	419563	2.149695e+01	2.873e-10	8.357e-01	6.792e-02
419	420565	2.149695e+01	9.731e-11	8.346e-01	9.033e-02
420	421567	2.149668e+01	2.673e-10	8.343e-01	6.700e-02

Iter	F-count	f(x)	Feasibility	First-order optimality	Norm of step
421	422569	2.149684e+01	3.349e-10	8.431e-01	1.032e-01
422	423571	2.149648e+01	5.275e-10	8.648e-01	8.584e-02
423	424573	2.149664e+01	4.578e-10	1.019e+00	1.013e-01
424	425575	2.149622e+01	5.513e-10	1.018e+00	7.935e-02
425	426577	2.149634e+01	1.896e-10	1.017e+00	8.894e-02
426	427579	2.149611e+01	3.360e-10	1.139e+00	6.704e-02
427	428581	2.149615e+01	9.287e-11	1.137e+00	6.578e-02
428	429583	2.149593e+01	4.598e-10	1.022e+00	9.007e-02
429	430585	2.149587e+01	1.925e-10	1.020e+00	7.887e-02
430	431587	2.149572e+01	1.783e-10	9.263e-01	7.488e-02
431	432589	2.149567e+01	6.117e-11	9.250e-01	6.399e-02
432	433591	2.149561e+01	1.726e-10	9.238e-01	7.503e-02
433	434593	2.149555e+01	1.158e-10	9.597e-01	8.350e-02
434	435595	2.149548e+01	2.191e-10	8.617e-01	9.588e-02
435	436597	2.149542e+01	1.032e-10	7.304e-01	8.933e-02
436	437599	2.149536e+01	9.865e-11	6.208e-01	8.024e-02
437	438601	2.149525e+01	9.345e-11	6.284e-01	9.332e-02
438	439603	2.149510e+01	1.809e-10	6.556e-01	1.180e-01
439	440605	2.149498e+01	2.818e-10	6.765e-01	1.240e-01
440	441607	2.149490e+01	3.139e-10	6.905e-01	1.130e-01
441	442609	2.149487e+01	3.059e-10	7.481e-01	1.181e-01
442	443611	2.149484e+01	2.145e-10	7.361e-01	1.108e-01
443	444613	2.149482e+01	2.122e-10	7.616e-01	1.059e-01
444	445615	2.149475e+01	2.258e-10	7.726e-01	1.005e-01
445	446617	2.149470e+01	3.362e-10	7.837e-01	1.108e-01
446	447619	2.149467e+01	1.999e-10	7.643e-01	1.011e-01
447	448621	2.149468e+01	1.764e-10	7.685e-01	1.013e-01
448	449623	2.149461e+01	2.287e-10	6.967e-01	1.017e-01
449	450625	2.149455e+01	3.912e-10	6.748e-01	1.128e-01
450	451627	2.149444e+01	3.052e-10	5.990e-01	8.479e-02

| | | | | First-order | Norm of |
Iter	F-count	f(x)	Feasibility	optimality	step
451	452629	2.149444e+01	3.371e-10	7.900e-01	1.228e-01
452	453631	2.149438e+01	3.155e-10	8.274e-01	9.379e-02
453	454633	2.149451e+01	6.506e-10	1.161e+00	1.914e-01
454	455635	2.149449e+01	5.704e-10	8.951e-01	9.690e-02
455	456637	2.149479e+01	1.370e-09	1.154e+00	2.825e-01
456	457639	2.149459e+01	1.143e-09	8.292e-01	1.694e-01
457	458641	2.149477e+01	1.408e-09	7.376e-01	2.735e-01
458	459643	2.149458e+01	8.314e-10	6.620e-01	1.098e-01
459	460645	2.149468e+01	9.501e-11	6.591e-01	1.697e-01
460	461647	2.149453e+01	7.218e-10	7.077e-01	1.514e-01
461	462649	2.149461e+01	1.048e-10	7.003e-01	1.402e-01
462	463651	2.149454e+01	2.236e-10	7.954e-01	1.498e-01
463	464653	2.149462e+01	1.033e-10	6.844e-01	1.249e-01
464	465655	2.149449e+01	1.066e-10	6.840e-01	1.070e-01
465	466657	2.149448e+01	1.191e-10	5.297e-01	9.757e-02
466	467659	2.149443e+01	6.706e-11	5.275e-01	8.813e-02
467	468661	2.149456e+01	9.280e-11	5.285e-01	8.785e-02
468	469663	2.149467e+01	2.590e-10	5.282e-01	1.062e-01
469	470665	2.149487e+01	2.545e-10	6.269e-01	1.400e-01
470	471667	2.149488e+01	1.647e-10	6.908e-01	1.193e-01
471	472669	2.149492e+01	5.196e-11	6.918e-01	1.075e-01
472	473671	2.149477e+01	1.065e-10	6.540e-01	6.861e-02
473	474673	2.149477e+01	1.460e-10	5.842e-01	9.860e-02
474	475675	2.149458e+01	1.624e-10	5.446e-01	5.766e-02
475	476677	2.149482e+01	1.662e-10	5.295e-01	1.325e-01
476	477679	2.149463e+01	7.724e-11	5.292e-01	6.556e-02
477	478681	2.149502e+01	1.079e-10	6.746e-01	1.610e-01
478	479683	2.149464e+01	3.594e-10	6.662e-01	7.357e-02
479	480685	2.149490e+01	6.590e-11	7.344e-01	1.637e-01
480	481687	2.149448e+01	3.601e-10	5.796e-01	6.936e-02

| | | | | First-order | Norm of |
Iter	F-count	f(x)	Feasibility	optimality	step
481	482689	2.149466e+01	8.584e-11	5.685e-01	1.405e-01
482	483691	2.149450e+01	2.286e-10	4.916e-01	5.701e-02
483	484693	2.149470e+01	5.933e-11	4.456e-01	1.016e-01
484	485695	2.149464e+01	1.455e-10	4.459e-01	4.741e-02
485	486697	2.149470e+01	4.354e-11	4.488e-01	7.288e-02
486	487699	2.149458e+01	1.052e-10	4.492e-01	4.832e-02
487	488701	2.149457e+01	3.709e-11	5.131e-01	6.878e-02
488	489703	2.149451e+01	1.057e-10	5.139e-01	5.178e-02
489	490705	2.149456e+01	1.103e-10	5.148e-01	6.877e-02
490	491707	2.149458e+01	1.560e-10	6.004e-01	5.439e-02
491	492709	2.149468e+01	1.008e-10	7.107e-01	6.597e-02
492	493711	2.149466e+01	5.603e-11	7.107e-01	4.547e-02
493	494713	2.149468e+01	2.757e-11	6.922e-01	5.628e-02
494	495715	2.149459e+01	4.287e-11	6.774e-01	4.626e-02
495	496717	2.149458e+01	6.312e-11	6.615e-01	6.148e-02
496	497719	2.149453e+01	3.360e-11	6.613e-01	4.161e-02
497	498721	2.149457e+01	1.801e-11	6.613e-01	5.052e-02

Iter	F-count	f(x)	Feasibility	First-order optimality	Norm of step
498	499723	2.149453e+01	4.097e-11	6.614e-01	3.072e-02
499	500725	2.149457e+01	1.968e-11	6.616e-01	4.446e-02
500	501727	2.149451e+01	3.490e-11	6.616e-01	3.483e-02
501	502729	2.149453e+01	1.114e-10	7.185e-01	4.124e-02
502	503731	2.149445e+01	7.570e-11	7.185e-01	3.301e-02
503	504733	2.149446e+01	9.140e-11	7.073e-01	4.149e-02
504	505735	2.149437e+01	2.864e-11	6.990e-01	3.630e-02
505	506737	2.149440e+01	1.863e-11	6.718e-01	5.773e-02
506	507739	2.149435e+01	4.370e-11	6.577e-01	4.608e-02
507	508741	2.149445e+01	1.568e-11	6.261e-01	6.798e-02
508	509743	2.149446e+01	6.029e-11	6.117e-01	4.537e-02
509	510745	2.149462e+01	2.514e-11	5.781e-01	7.022e-02
510	511747	2.149464e+01	7.524e-11	5.704e-01	4.439e-02

Iter	F-count	f(x)	Feasibility	First-order optimality	Norm of step
511	512749	2.149481e+01	4.995e-11	5.433e-01	7.458e-02
512	513751	2.149476e+01	1.618e-10	5.434e-01	5.066e-02
513	514753	2.149489e+01	1.337e-10	5.333e-01	1.005e-01
514	515755	2.149480e+01	1.430e-10	5.332e-01	7.339e-02
515	516757	2.149495e+01	4.508e-11	5.123e-01	1.380e-01
516	517759	2.149491e+01	4.154e-11	5.032e-01	8.551e-02
517	518761	2.149517e+01	9.113e-11	4.314e-01	1.241e-01
518	519763	2.149521e+01	4.486e-11	4.639e-01	7.370e-02
519	520765	2.149553e+01	1.891e-10	5.831e-01	1.058e-01
520	521767	2.149557e+01	7.582e-11	5.854e-01	8.130e-02
521	522769	2.149586e+01	1.679e-10	7.617e-01	1.321e-01
522	523771	2.149583e+01	3.035e-11	7.627e-01	9.205e-02
523	524773	2.149602e+01	8.603e-11	7.216e-01	1.587e-01
524	525775	2.149587e+01	7.030e-11	6.521e-01	1.051e-01
525	526777	2.149595e+01	1.232e-10	7.135e-01	1.622e-01
526	527779	2.149572e+01	9.455e-11	5.217e-01	7.940e-02
527	528781	2.149577e+01	1.179e-10	6.008e-01	1.032e-01
528	529783	2.149554e+01	6.406e-11	5.353e-01	6.553e-02
529	530785	2.149556e+01	7.785e-11	6.125e-01	1.361e-01
530	531787	2.149536e+01	1.151e-10	5.313e-01	1.068e-01
531	532789	2.149549e+01	1.466e-10	7.212e-01	1.792e-01
532	533791	2.149544e+01	1.569e-10	7.003e-01	9.392e-02
533	534793	2.149566e+01	6.244e-11	7.654e-01	1.242e-01
534	535795	2.149567e+01	6.293e-11	9.145e-01	7.910e-02
535	536797	2.149589e+01	3.288e-11	9.742e-01	1.233e-01
536	537799	2.149585e+01	6.198e-11	9.734e-01	1.112e-01
537	538801	2.149594e+01	6.549e-11	8.840e-01	1.471e-01
538	539803	2.149580e+01	4.207e-11	7.390e-01	9.965e-02
539	540805	2.149584e+01	6.883e-11	6.706e-01	1.314e-01
540	541807	2.149571e+01	4.911e-11	6.275e-01	8.219e-02

Iter	F-count	f(x)	Feasibility	First-order optimality	Norm of step
541	542809	2.149577e+01	5.148e-11	6.681e-01	1.185e-01
542	543811	2.149567e+01	3.758e-11	6.906e-01	8.257e-02
543	544813	2.149577e+01	6.695e-11	8.128e-01	1.349e-01
544	545815	2.149567e+01	7.318e-11	7.632e-01	1.203e-01

545	546817	2.149575e+01	1.199e-10	7.113e-01	1.407e-01
546	547819	2.149562e+01	1.161e-10	6.887e-01	8.865e-02
547	548821	2.149572e+01	1.424e-10	6.643e-01	1.026e-01
548	549823	2.149557e+01	1.386e-10	6.353e-01	6.416e-02
549	550825	2.149567e+01	1.531e-10	6.130e-01	1.335e-01
550	551827	2.149542e+01	1.409e-10	5.849e-01	9.517e-02
551	552829	2.149557e+01	1.382e-10	5.848e-01	1.885e-01
552	553831	2.149526e+01	9.637e-11	5.630e-01	1.229e-01
553	554833	2.149551e+01	8.078e-11	6.247e-01	2.213e-01
554	555835	2.149508e+01	2.326e-10	6.971e-01	1.088e-01
555	556837	2.149553e+01	9.315e-11	1.066e+00	2.797e-01
556	557839	2.149500e+01	1.712e-10	1.079e+00	1.153e-01
557	558841	2.149559e+01	9.326e-11	8.740e-01	2.910e-01
558	559843	2.149506e+01	1.689e-10	1.017e+00	9.855e-02
559	560845	2.149550e+01	1.483e-10	1.009e+00	2.247e-01
560	561847	2.149505e+01	7.026e-11	6.560e-01	8.623e-02
561	562849	2.149529e+01	1.298e-10	5.423e-01	1.583e-01
562	563851	2.149498e+01	8.650e-11	5.489e-01	4.435e-02
563	564853	2.149509e+01	7.259e-11	5.490e-01	1.150e-01
564	565855	2.149485e+01	7.507e-11	5.476e-01	5.974e-02
565	566857	2.149488e+01	8.739e-11	5.795e-01	1.127e-01
566	567859	2.149470e+01	2.561e-10	6.510e-01	6.339e-02
567	568861	2.149475e+01	9.492e-11	6.524e-01	9.937e-02
568	569863	2.149470e+01	1.204e-10	7.080e-01	6.355e-02
569	570865	2.149481e+01	8.671e-11	7.084e-01	8.363e-02
570	571867	2.149481e+01	1.053e-10	7.042e-01	5.840e-02

				First-order	Norm of
Iter	F-count	f(x)	Feasibility	optimality	step
571	572869	2.149494e+01	4.445e-11	6.868e-01	8.439e-02
572	573871	2.149490e+01	4.258e-11	6.398e-01	6.015e-02
573	574873	2.149496e+01	3.069e-11	6.075e-01	7.164e-02
574	575875	2.149485e+01	5.842e-11	5.632e-01	5.156e-02
575	576877	2.149485e+01	2.906e-11	5.440e-01	8.105e-02
576	577879	2.149470e+01	3.010e-11	5.192e-01	9.255e-02
577	578881	2.149469e+01	6.368e-11	5.826e-01	1.323e-01
578	579883	2.149454e+01	1.928e-10	7.002e-01	1.238e-01
579	580885	2.149457e+01	1.725e-10	8.659e-01	1.392e-01
580	581887	2.149441e+01	1.182e-10	5.833e-01	9.229e-02
581	582889	2.149453e+01	3.534e-11	8.100e-01	1.002e-01
582	583891	2.149436e+01	8.506e-11	4.980e-01	7.235e-02
583	584893	2.149459e+01	8.120e-11	5.010e-01	7.828e-02
584	585895	2.149437e+01	4.148e-11	4.458e-01	9.183e-02
585	586897	2.149465e+01	1.467e-10	4.948e-01	1.280e-01
586	587899	2.149435e+01	3.752e-11	5.964e-01	1.172e-01
587	588901	2.149463e+01	1.089e-10	8.171e-01	1.458e-01
588	589903	2.149438e+01	2.979e-11	5.656e-01	7.947e-02
589	590905	2.149458e+01	7.901e-11	4.756e-01	7.588e-02
590	591907	2.149440e+01	2.289e-11	4.114e-01	6.047e-02
591	592909	2.149449e+01	8.689e-11	4.112e-01	6.676e-02
592	593911	2.149433e+01	4.557e-11	4.492e-01	8.404e-02
593	594913	2.149439e+01	1.018e-10	4.879e-01	1.185e-01
594	595915	2.149435e+01	4.535e-11	5.887e-01	1.004e-01

595	596917	2.149446e+01	6.135e-11	6.509e-01	7.660e-02
596	597919	2.149447e+01	4.025e-11	4.817e-01	5.306e-02
597	598921	2.149456e+01	7.367e-11	4.449e-01	5.458e-02
598	599923	2.149454e+01	6.597e-11	3.664e-01	6.764e-02
599	600925	2.149459e+01	6.984e-11	4.073e-01	8.496e-02
600	601927	2.149454e+01	4.138e-11	4.708e-01	8.598e-02

				First-order	Norm of
Iter	F-count	f(x)	Feasibility	optimality	step
601	602929	2.149458e+01	3.735e-11	4.771e-01	9.264e-02
602	603931	2.149453e+01	1.509e-11	4.499e-01	5.570e-02
603	604933	2.149456e+01	3.228e-11	4.101e-01	5.596e-02
604	605935	2.149448e+01	7.518e-11	4.122e-01	4.250e-02
605	606937	2.149453e+01	9.778e-11	4.190e-01	6.723e-02
606	607939	2.149439e+01	1.463e-10	4.953e-01	9.294e-02
607	608941	2.149450e+01	1.975e-10	7.822e-01	1.191e-01
608	609943	2.149439e+01	2.277e-10	7.321e-01	1.018e-01
609	610945	2.149459e+01	5.649e-11	7.022e-01	1.021e-01
610	611947	2.149454e+01	4.246e-11	5.017e-01	6.483e-02
611	612949	2.149475e+01	8.824e-11	5.139e-01	9.184e-02
612	613951	2.149464e+01	6.861e-11	4.687e-01	7.519e-02
613	614953	2.149473e+01	1.184e-10	4.904e-01	1.084e-01
614	615955	2.149452e+01	7.579e-11	4.462e-01	1.029e-01
615	616957	2.149450e+01	1.082e-10	4.791e-01	9.548e-02
616	617959	2.149436e+01	5.899e-11	4.447e-01	8.016e-02
617	618961	2.149432e+01	6.008e-11	4.444e-01	5.638e-02
618	619963	2.149432e+01	6.410e-11	4.362e-01	8.226e-02
619	620965	2.149424e+01	9.568e-11	4.360e-01	7.901e-02
620	621967	2.149438e+01	1.424e-10	4.060e-01	1.850e-01
621	622969	2.149411e+01	5.535e-10	6.499e-01	1.444e-01
622	623971	2.149433e+01	1.294e-10	3.546e-01	2.569e-01
623	624973	2.149390e+01	3.909e-10	5.521e-01	1.674e-01
624	625975	2.149418e+01	1.073e-10	3.795e-01	1.851e-01
625	626977	2.149390e+01	4.223e-10	5.198e-01	1.560e-01
626	627979	2.149406e+01	7.309e-11	4.143e-01	1.441e-01
627	628981	2.149380e+01	3.408e-10	3.766e-01	1.279e-01
628	629983	2.149387e+01	6.421e-11	4.491e-01	8.562e-02
629	630985	2.149369e+01	1.316e-10	4.480e-01	1.120e-01
630	631987	2.149386e+01	1.173e-11	4.478e-01	8.019e-02

				First-order	Norm of
Iter	F-count	f(x)	Feasibility	optimality	step
631	632989	2.149395e+01	5.003e-10	5.689e-01	1.471e-01
632	633991	2.149414e+01	1.554e-10	5.041e-01	1.567e-01
633	634993	2.149398e+01	2.676e-10	5.058e-01	8.952e-02
634	635995	2.149379e+01	7.407e-11	5.055e-01	9.316e-02
635	636997	2.149373e+01	1.170e-10	5.049e-01	1.224e-01
636	637999	2.149372e+01	1.349e-10	3.750e-01	5.078e-02
637	639001	2.149386e+01	1.124e-10	3.744e-01	8.911e-02
638	640003	2.149387e+01	7.697e-11	3.744e-01	2.590e-02
639	641005	2.149397e+01	8.978e-11	3.681e-01	4.148e-02
640	642007	2.149396e+01	5.650e-11	3.443e-01	3.878e-02
641	643009	2.149403e+01	6.085e-11	3.443e-01	4.820e-02

Iter	F-count	f(x)	Feasibility	First-order optimality	Norm of step
642	644011	2.149402e+01	4.595e-11	3.471e-01	2.783e-02
643	645013	2.149407e+01	4.836e-11	3.510e-01	3.852e-02
644	646015	2.149405e+01	5.049e-11	3.584e-01	2.861e-02
645	647017	2.149411e+01	6.291e-11	3.466e-01	5.070e-02
646	648019	2.149411e+01	5.970e-11	3.142e-01	4.266e-02
647	649021	2.149419e+01	4.782e-11	2.626e-01	4.218e-02
648	650023	2.149419e+01	2.896e-11	2.351e-01	3.496e-02
649	651025	2.149427e+01	2.682e-11	2.256e-01	2.887e-02
650	652027	2.149428e+01	3.397e-11	2.257e-01	3.293e-02
651	653029	2.149435e+01	4.689e-11	2.130e-01	3.465e-02
652	654031	2.149435e+01	6.197e-11	2.129e-01	3.948e-02
653	655033	2.149441e+01	6.890e-11	2.128e-01	5.889e-02
654	656035	2.149439e+01	6.153e-11	2.101e-01	4.995e-02
655	657037	2.149443e+01	4.284e-11	2.101e-01	5.204e-02
656	658039	2.149439e+01	3.109e-11	2.291e-01	3.808e-02
657	659041	2.149442e+01	2.382e-11	2.603e-01	4.980e-02
658	660043	2.149437e+01	3.406e-11	3.122e-01	4.816e-02
659	661045	2.149442e+01	3.261e-11	4.083e-01	6.353e-02
660	662047	2.149442e+01	4.559e-11	5.461e-01	6.757e-02

Iter	F-count	f(x)	Feasibility	First-order optimality	Norm of step
661	663049	2.149452e+01	5.455e-11	6.341e-01	6.613e-02
662	664051	2.149453e+01	5.020e-11	6.340e-01	6.889e-02
663	665053	2.149463e+01	5.406e-11	6.339e-01	6.282e-02
664	666055	2.149462e+01	2.545e-11	6.346e-01	5.587e-02
665	667057	2.149468e+01	8.999e-12	7.042e-01	5.862e-02
666	668059	2.149463e+01	1.415e-11	7.037e-01	4.112e-02
667	669061	2.149463e+01	4.992e-11	6.667e-01	7.144e-02
668	670063	2.149452e+01	2.662e-11	6.461e-01	4.759e-02
669	671065	2.149449e+01	3.742e-11	5.828e-01	7.156e-02
670	672067	2.149437e+01	1.172e-11	5.587e-01	7.086e-02
671	673069	2.149439e+01	3.302e-11	4.906e-01	4.952e-02
672	674071	2.149439e+01	1.659e-11	4.855e-01	7.597e-02
673	675073	2.149445e+01	2.711e-11	4.327e-01	3.606e-02
674	676075	2.149453e+01	3.888e-11	4.332e-01	6.359e-02
675	677077	2.149458e+01	1.388e-11	4.042e-01	5.105e-02
676	678079	2.149464e+01	6.059e-11	4.042e-01	6.657e-02
677	679081	2.149462e+01	7.916e-11	3.908e-01	5.571e-02
678	680083	2.149461e+01	4.025e-11	3.868e-01	4.627e-02
679	681085	2.149455e+01	2.854e-11	3.864e-01	4.183e-02
680	682087	2.149452e+01	4.324e-11	3.865e-01	4.119e-02
681	683089	2.149445e+01	5.935e-11	3.865e-01	4.138e-02
682	684091	2.149442e+01	3.566e-11	4.451e-01	4.934e-02
683	685093	2.149437e+01	3.680e-11	5.482e-01	4.896e-02
684	686095	2.149439e+01	1.569e-11	6.173e-01	6.199e-02
685	687097	2.149440e+01	2.145e-11	6.102e-01	5.051e-02
686	688099	2.149450e+01	2.366e-11	6.102e-01	6.839e-02
687	689101	2.149458e+01	2.150e-11	5.919e-01	5.112e-02
688	690103	2.149470e+01	3.114e-11	5.836e-01	6.144e-02
689	691105	2.149474e+01	2.864e-11	5.342e-01	4.772e-02
690	692107	2.149475e+01	1.545e-11	5.173e-01	4.921e-02

				First-order	Norm of
Iter	F-count	f(x)	Feasibility	optimality	step
691	693109	2.149469e+01	8.283e-12	4.786e-01	5.295e-02
692	694111	2.149462e+01	1.026e-11	4.638e-01	4.809e-02
693	695113	2.149451e+01	1.491e-11	4.244e-01	5.668e-02
694	696115	2.149442e+01	2.342e-11	4.241e-01	5.370e-02
695	697117	2.149436e+01	3.749e-11	4.235e-01	5.659e-02
696	698119	2.149437e+01	4.615e-11	4.845e-01	6.509e-02
697	699121	2.149445e+01	5.069e-11	3.398e-01	5.262e-02
698	700123	2.149456e+01	4.003e-11	3.386e-01	4.664e-02
699	701125	2.149467e+01	3.479e-11	3.381e-01	2.852e-02
700	702127	2.149476e+01	2.711e-11	3.378e-01	3.069e-02
701	703129	2.149484e+01	2.177e-11	3.436e-01	3.816e-02
702	704131	2.149487e+01	9.782e-12	4.133e-01	5.441e-02
703	705133	2.149484e+01	2.132e-11	4.043e-01	6.922e-02
704	706135	2.149474e+01	2.712e-11	3.790e-01	6.615e-02
705	707137	2.149465e+01	3.422e-11	3.496e-01	5.056e-02
706	708139	2.149455e+01	2.462e-11	3.166e-01	3.286e-02
707	709141	2.149447e+01	1.997e-11	2.866e-01	2.812e-02
708	710143	2.149438e+01	3.792e-11	2.903e-01	3.660e-02
709	711145	2.149434e+01	4.223e-11	3.110e-01	5.185e-02
710	712147	2.149433e+01	4.085e-11	3.458e-01	5.771e-02
711	713149	2.149438e+01	2.297e-11	3.461e-01	4.983e-02
712	714151	2.149443e+01	1.377e-11	3.462e-01	3.474e-02
713	715153	2.149450e+01	3.822e-12	3.908e-01	2.667e-02
714	716155	2.149455e+01	3.976e-12	4.303e-01	2.812e-02
715	717157	2.149457e+01	5.498e-12	4.307e-01	3.380e-02
716	718159	2.149454e+01	1.135e-11	4.311e-01	3.885e-02
717	719161	2.149450e+01	1.143e-11	4.544e-01	4.117e-02
718	720163	2.149444e+01	6.460e-12	4.958e-01	3.785e-02
719	721165	2.149440e+01	4.740e-12	4.873e-01	3.453e-02
720	722167	2.149436e+01	1.228e-11	4.670e-01	3.689e-02

				First-order	Norm of
Iter	F-count	f(x)	Feasibility	optimality	step
721	723169	2.149434e+01	2.299e-11	4.350e-01	4.426e-02
722	724171	2.149434e+01	3.699e-11	3.873e-01	5.767e-02
723	725173	2.149438e+01	6.184e-11	3.334e-01	6.765e-02
724	726175	2.149443e+01	6.561e-11	3.189e-01	6.816e-02
725	727177	2.149449e+01	3.735e-11	2.626e-01	5.932e-02
726	728179	2.149455e+01	1.675e-11	2.307e-01	4.816e-02
727	729181	2.149461e+01	6.217e-12	2.467e-01	4.153e-02
728	730183	2.149465e+01	4.164e-12	2.510e-01	3.692e-02
729	731185	2.149470e+01	9.054e-12	2.631e-01	3.879e-02
730	732187	2.149471e+01	1.628e-11	2.630e-01	3.897e-02
731	733189	2.149471e+01	1.831e-11	2.619e-01	4.211e-02
732	734191	2.149468e+01	2.112e-11	2.572e-01	4.037e-02
733	735193	2.149465e+01	1.955e-11	2.524e-01	4.139e-02
734	736195	2.149461e+01	1.839e-11	2.461e-01	3.967e-02
735	737197	2.149461e+01	1.084e-11	2.402e-01	3.871e-02
736	738199	2.149461e+01	8.884e-12	2.340e-01	3.200e-02
737	739201	2.149463e+01	7.392e-12	2.296e-01	2.855e-02
738	740203	2.149464e+01	1.777e-11	2.268e-01	3.102e-02

Iter	F-count	f(x)	Feasibility	First-order optimality	Norm of step
739	741205	2.149468e+01	2.436e-11	2.266e-01	4.177e-02
740	742207	2.149469e+01	3.947e-11	2.342e-01	5.868e-02
741	743209	2.149472e+01	4.595e-11	2.849e-01	7.008e-02
742	744211	2.149470e+01	5.857e-11	3.284e-01	6.797e-02
743	745213	2.149470e+01	5.904e-11	3.039e-01	6.296e-02
744	746215	2.149466e+01	6.680e-11	3.043e-01	6.163e-02
745	747217	2.149462e+01	6.705e-11	3.257e-01	6.985e-02
746	748219	2.149453e+01	7.777e-11	3.443e-01	7.664e-02
747	749221	2.149446e+01	7.118e-11	3.557e-01	8.185e-02
748	750223	2.149438e+01	6.870e-11	3.622e-01	7.955e-02
749	751225	2.149435e+01	5.965e-11	3.540e-01	7.449e-02
750	752227	2.149431e+01	5.525e-11	3.409e-01	6.280e-02

Iter	F-count	f(x)	Feasibility	First-order optimality	Norm of step
751	753229	2.149431e+01	4.746e-11	3.236e-01	5.785e-02
752	754231	2.149430e+01	4.254e-11	3.026e-01	4.992e-02
753	755233	2.149432e+01	4.121e-11	2.946e-01	5.352e-02
754	756235	2.149431e+01	2.199e-11	2.870e-01	4.608e-02
755	757237	2.149433e+01	6.423e-12	2.742e-01	4.819e-02
756	758239	2.149432e+01	3.686e-12	2.661e-01	4.275e-02
757	759241	2.149434e+01	1.568e-11	2.581e-01	5.244e-02
758	760243	2.149431e+01	2.017e-11	2.634e-01	5.931e-02
759	761245	2.149433e+01	2.745e-11	2.756e-01	7.253e-02
760	762247	2.149427e+01	2.254e-11	3.929e-01	7.226e-02
761	763249	2.149429e+01	2.167e-11	3.949e-01	7.664e-02
762	764251	2.149425e+01	1.596e-11	3.666e-01	6.173e-02
763	765253	2.149431e+01	1.758e-11	3.633e-01	6.120e-02
764	766255	2.149429e+01	1.937e-11	3.810e-01	3.995e-02
765	767257	2.149439e+01	1.080e-11	3.806e-01	5.166e-02
766	768259	2.149437e+01	1.197e-11	3.804e-01	4.064e-02
767	769261	2.149448e+01	2.814e-11	3.658e-01	6.798e-02
768	770263	2.149441e+01	2.558e-11	3.593e-01	4.823e-02
769	771265	2.149452e+01	3.462e-11	3.319e-01	8.489e-02
770	772267	2.149440e+01	2.018e-11	3.228e-01	4.844e-02
771	773269	2.149449e+01	4.023e-11	2.943e-01	8.401e-02
772	774271	2.149436e+01	4.494e-11	2.909e-01	5.317e-02
773	775273	2.149443e+01	4.434e-11	3.199e-01	9.408e-02
774	776275	2.149429e+01	5.490e-11	3.396e-01	6.563e-02
775	777277	2.149437e+01	4.157e-11	4.836e-01	1.209e-01
776	778279	2.149428e+01	5.243e-11	4.721e-01	7.094e-02
777	779281	2.149437e+01	3.248e-11	4.332e-01	9.209e-02
778	780283	2.149432e+01	2.191e-11	3.367e-01	3.846e-02
779	781285	2.149442e+01	1.560e-11	3.310e-01	7.110e-02
780	782287	2.149440e+01	4.003e-11	2.881e-01	4.152e-02

Iter	F-count	f(x)	Feasibility	First-order optimality	Norm of step
781	783289	2.149448e+01	2.168e-11	3.395e-01	9.880e-02
782	784291	2.149444e+01	2.523e-11	2.748e-01	5.197e-02
783	785293	2.149447e+01	3.258e-11	3.997e-01	8.435e-02
784	786295	2.149442e+01	2.913e-11	3.341e-01	2.736e-02
785	787297	2.149444e+01	2.574e-11	3.478e-01	4.487e-02

Iter	F-count	f(x)	Feasibility	First-order optimality	Norm of step
786	788299	2.149440e+01	2.510e-11	3.478e-01	1.873e-02
787	789301	2.149440e+01	2.441e-11	3.492e-01	4.957e-02
788	790303	2.149436e+01	1.793e-11	3.292e-01	3.257e-02
789	791305	2.149438e+01	2.450e-11	3.727e-01	7.770e-02
790	792307	2.149436e+01	1.425e-11	3.857e-01	3.900e-02
791	793309	2.149437e+01	9.634e-12	2.603e-01	4.856e-02
792	794311	2.149434e+01	1.085e-11	2.515e-01	2.304e-02
793	795313	2.149433e+01	2.021e-11	2.500e-01	3.531e-02
794	796315	2.149430e+01	2.884e-11	2.499e-01	2.249e-02
795	797317	2.149428e+01	3.834e-11	2.654e-01	4.779e-02
796	798319	2.149424e+01	3.935e-11	2.654e-01	2.852e-02
797	799321	2.149424e+01	3.213e-11	2.945e-01	3.607e-02
798	800323	2.149422e+01	2.435e-11	2.946e-01	1.508e-02
799	801325	2.149422e+01	1.851e-11	2.946e-01	1.799e-02
800	802327	2.149420e+01	1.891e-11	2.946e-01	1.193e-02
801	803329	2.149421e+01	1.905e-11	2.946e-01	2.910e-02
802	804331	2.149419e+01	2.797e-11	2.980e-01	2.502e-02
803	805333	2.149420e+01	3.313e-11	2.857e-01	5.026e-02
804	806335	2.149417e+01	1.310e-11	2.752e-01	2.539e-02
805	807337	2.149418e+01	9.120e-12	2.671e-01	2.798e-02
806	808339	2.149415e+01	6.178e-12	2.640e-01	1.541e-02
807	809341	2.149414e+01	3.795e-12	2.615e-01	1.940e-02
808	810343	2.149409e+01	3.456e-12	2.614e-01	1.246e-02
809	811345	2.149406e+01	2.991e-12	2.602e-01	3.776e-02
810	812347	2.149400e+01	1.537e-11	2.600e-01	3.622e-02

Iter	F-count	f(x)	Feasibility	First-order optimality	Norm of step
811	813349	2.149400e+01	2.845e-11	3.456e-01	8.653e-02
812	814351	2.149400e+01	6.315e-11	4.881e-01	8.958e-02
813	815353	2.149409e+01	4.919e-11	3.739e-01	1.038e-01
814	816355	2.149414e+01	2.830e-11	3.430e-01	4.863e-02
815	817357	2.149421e+01	1.813e-11	3.363e-01	5.281e-02
816	818359	2.149423e+01	1.606e-11	3.347e-01	1.700e-02
817	819361	2.149428e+01	1.262e-11	3.219e-01	5.359e-02
818	820363	2.149426e+01	1.966e-11	2.538e-01	3.331e-02
819	821365	2.149428e+01	2.875e-11	3.128e-01	1.026e-01
820	822367	2.149418e+01	7.024e-11	3.750e-01	9.998e-02
821	823369	2.149415e+01	6.760e-11	4.315e-01	1.237e-01
822	824371	2.149404e+01	2.172e-11	2.541e-01	5.188e-02
823	825373	2.149402e+01	1.159e-11	2.057e-01	5.719e-02
824	826375	2.149395e+01	1.026e-11	1.517e-01	3.006e-02
825	827377	2.149395e+01	8.424e-12	1.243e-01	4.978e-02
826	828378	2.140642e+01	2.656e-06	3.213e+00	8.756e-01
827	829379	2.139011e+01	1.061e-06	1.217e+00	4.634e-01
828	830380	2.139030e+01	1.291e-07	8.754e-01	2.338e-01
829	831381	2.139079e+01	1.003e-08	3.073e-01	1.292e-01
830	832382	2.139081e+01	7.449e-09	2.679e-01	1.477e-01
831	833383	2.139083e+01	2.539e-09	1.849e-01	1.363e-01
832	834384	2.139082e+01	3.927e-09	2.650e-01	1.602e-01
833	835385	2.139080e+01	2.121e-09	2.265e-01	1.140e-01
834	836386	2.139077e+01	1.186e-09	1.477e-01	8.414e-02
835	837387	2.139076e+01	1.036e-09	1.572e-01	6.134e-02

Iter	F-count	f(x)	Feasibility	First-order optimality	Norm of step
836	838388	2.139075e+01	9.973e-10	1.823e-01	5.181e-02
837	839389	2.139075e+01	1.054e-09	2.582e-01	5.229e-02
838	840390	2.139075e+01	1.023e-09	3.161e-01	6.709e-02
839	841391	2.139075e+01	1.321e-09	3.281e-01	7.703e-02
840	842392	2.139075e+01	9.384e-10	2.362e-01	6.502e-02

Iter	F-count	f(x)	Feasibility	First-order optimality	Norm of step
841	843393	2.139074e+01	4.119e-10	1.500e-01	4.822e-02
842	844394	2.139074e+01	2.380e-10	8.213e-02	3.501e-02
843	845395	2.139073e+01	1.480e-10	7.086e-02	2.697e-02
844	846396	2.139073e+01	1.856e-10	8.822e-02	2.927e-02
845	847397	2.139073e+01	3.055e-10	1.205e-01	3.132e-02
846	848398	2.139073e+01	3.735e-10	1.437e-01	3.389e-02
847	849399	2.139073e+01	3.162e-10	1.902e-01	3.238e-02
848	850400	2.139073e+01	4.088e-10	1.428e-01	3.359e-02
849	851401	2.139073e+01	4.508e-10	7.167e-02	5.112e-02
850	852402	2.139073e+01	4.724e-10	8.000e-02	5.635e-02
851	853403	2.139073e+01	1.502e-09	1.244e-01	6.782e-02
852	854404	2.139073e+01	1.497e-09	1.598e-01	5.261e-02
853	855405	2.139072e+01	1.072e-09	1.484e-01	4.496e-02
854	856406	2.139072e+01	4.297e-10	7.941e-02	3.804e-02
855	857407	2.139072e+01	2.336e-10	6.488e-02	4.623e-02
856	858408	2.139072e+01	1.695e-10	7.387e-02	3.745e-02
857	859409	2.139071e+01	2.670e-10	1.164e-01	4.440e-02
858	860410	2.139071e+01	2.689e-10	1.508e-01	4.241e-02
859	861411	2.139070e+01	3.730e-10	1.849e-01	3.621e-02
860	862412	2.139070e+01	4.636e-10	1.655e-01	3.935e-02
861	863413	2.139070e+01	3.965e-10	9.220e-02	4.605e-02
862	864414	2.139070e+01	5.535e-10	1.509e-01	5.395e-02
863	865415	2.139070e+01	4.814e-10	1.382e-01	4.561e-02
864	866416	2.139070e+01	2.686e-10	1.026e-01	3.776e-02
865	867417	2.139070e+01	2.371e-10	6.688e-02	3.154e-02
866	868418	2.139070e+01	1.571e-10	6.657e-02	3.035e-02
867	869419	2.139070e+01	1.273e-10	6.544e-02	3.202e-02
868	870420	2.139070e+01	2.196e-10	6.245e-02	3.772e-02
869	871421	2.139070e+01	3.401e-10	8.366e-02	4.265e-02
870	872422	2.139069e+01	4.426e-10	9.825e-02	3.833e-02

Iter	F-count	f(x)	Feasibility	First-order optimality	Norm of step
871	873423	2.139068e+01	6.403e-10	1.168e-01	3.757e-02
872	874424	2.139068e+01	8.644e-10	1.233e-01	4.335e-02
873	875425	2.139067e+01	9.330e-10	1.041e-01	5.488e-02
874	876426	2.139067e+01	6.896e-10	8.414e-02	6.382e-02
875	877427	2.139067e+01	6.981e-10	7.179e-02	5.079e-02
876	878428	2.139067e+01	7.446e-10	7.629e-02	4.118e-02
877	879429	2.139067e+01	6.839e-10	8.191e-02	3.242e-02
878	880430	2.139067e+01	1.287e-09	9.750e-02	4.762e-02
879	881431	2.139066e+01	1.870e-09	1.903e-01	6.266e-02
880	882432	2.139065e+01	1.305e-09	2.538e-01	6.751e-02
881	883433	2.139064e+01	7.503e-10	2.282e-01	5.606e-02
882	884434	2.139064e+01	4.518e-10	1.430e-01	3.513e-02

883	885435	2.139064e+01	7.763e-10	7.044e-02	2.819e-02
884	886436	2.139064e+01	4.905e-10	6.496e-02	2.087e-02
885	887437	2.139065e+01	2.671e-10	6.752e-02	1.868e-02
886	888438	2.139065e+01	1.503e-10	6.750e-02	1.709e-02
887	889439	2.139065e+01	2.496e-10	7.029e-02	2.080e-02
888	890440	2.139065e+01	2.988e-10	6.757e-02	2.468e-02
889	891441	2.139064e+01	6.108e-10	8.070e-02	3.469e-02
890	892442	2.139064e+01	8.980e-10	1.377e-01	3.912e-02
891	893443	2.139064e+01	1.044e-09	1.284e-01	3.626e-02
892	894444	2.139063e+01	1.074e-09	8.748e-02	2.945e-02
893	895445	2.139063e+01	6.784e-10	5.765e-02	1.802e-02
894	896446	2.139063e+01	4.910e-10	4.722e-02	1.687e-02
895	897447	2.139063e+01	2.264e-10	4.718e-02	1.698e-02
896	898448	2.139063e+01	1.783e-10	5.080e-02	2.312e-02
897	899449	2.139063e+01	2.690e-10	5.553e-02	2.771e-02
898	900450	2.139063e+01	9.245e-10	9.089e-02	4.677e-02
899	901451	2.139062e+01	1.169e-09	1.538e-01	5.736e-02
900	902452	2.139061e+01	1.567e-09	1.991e-01	8.294e-02

Iter	F-count	f(x)	Feasibility	First-order optimality	Norm of step
901	903453	2.139061e+01	1.467e-09	2.221e-01	7.007e-02
902	904454	2.139060e+01	1.012e-09	1.917e-01	5.406e-02
903	905455	2.139060e+01	5.472e-10	2.022e-01	4.854e-02
904	906456	2.139060e+01	8.770e-10	1.580e-01	5.952e-02
905	907457	2.139061e+01	9.048e-10	8.288e-02	6.173e-02
906	908458	2.139061e+01	3.244e-10	7.600e-02	4.039e-02
907	909459	2.139061e+01	3.377e-10	7.365e-02	2.544e-02
908	910460	2.139061e+01	2.385e-10	7.003e-02	2.048e-02
909	911461	2.139061e+01	1.893e-10	6.482e-02	2.319e-02
910	912462	2.139060e+01	3.826e-10	9.789e-02	3.544e-02
911	913463	2.139059e+01	9.084e-10	1.741e-01	4.892e-02
912	914464	2.139059e+01	1.344e-09	2.520e-01	6.548e-02
913	915465	2.139058e+01	1.962e-09	2.851e-01	7.052e-02
914	916466	2.139059e+01	1.150e-09	2.085e-01	5.207e-02
915	917467	2.139059e+01	4.383e-10	1.150e-01	3.683e-02
916	918468	2.139060e+01	1.848e-10	6.779e-02	1.893e-02
917	919469	2.139060e+01	1.725e-10	6.776e-02	1.763e-02
918	920470	2.139060e+01	1.471e-10	6.893e-02	2.103e-02
919	921471	2.139060e+01	3.740e-10	8.001e-02	3.181e-02
920	922472	2.139060e+01	2.579e-10	1.403e-01	4.501e-02
921	923473	2.139059e+01	6.538e-10	2.168e-01	6.357e-02
922	924474	2.139059e+01	1.673e-09	2.989e-01	7.287e-02
923	925475	2.139060e+01	2.998e-09	3.051e-01	7.877e-02
924	926476	2.139060e+01	1.639e-09	2.404e-01	8.158e-02
925	927477	2.139060e+01	6.694e-10	1.297e-01	6.563e-02
926	928478	2.139060e+01	8.368e-10	4.994e-02	3.589e-02
927	929479	2.139060e+01	2.809e-10	4.818e-02	1.609e-02
928	930480	2.139060e+01	3.624e-11	4.413e-02	1.247e-02
929	931481	2.139060e+01	4.953e-11	4.397e-02	1.152e-02
930	932482	2.139060e+01	6.171e-11	4.397e-02	1.056e-02

| | | | | First-order | Norm of |

Iter	F-count	f(x)	Feasibility	optimality	step
931	933483	2.139060e+01	1.333e-10	4.971e-02	1.604e-02
932	934484	2.139060e+01	1.835e-10	6.967e-02	1.785e-02
933	935485	2.139060e+01	3.159e-10	7.408e-02	2.098e-02
934	936486	2.139060e+01	2.928e-10	5.717e-02	2.319e-02
935	937487	2.139060e+01	3.520e-10	4.722e-02	1.830e-02
936	938488	2.139060e+01	3.922e-10	4.790e-02	1.797e-02
937	939489	2.139060e+01	1.215e-10	4.196e-02	1.415e-02
938	940491	2.139060e+01	2.000e-12	4.197e-02	1.588e-02
939	941496	2.138099e+01	8.800e-07	7.629e-02	2.630e-02
940	942497	2.135433e+01	2.537e-06	5.209e-01	1.365e-01
941	943498	2.138878e+01	1.955e-07	4.068e-01	1.467e-01
942	944499	2.139055e+01	2.558e-08	1.029e-01	1.002e-01
943	945500	2.139069e+01	6.432e-09	1.188e-01	3.138e-02
944	946501	2.139061e+01	2.768e-09	4.907e-02	2.346e-02
945	947502	2.139061e+01	6.041e-10	4.258e-02	1.516e-02
946	948503	2.139060e+01	4.014e-10	4.819e-02	1.653e-02
947	949504	2.139060e+01	3.553e-10	7.472e-02	1.701e-02
948	950505	2.139060e+01	4.149e-10	1.296e-01	2.644e-02
949	951507	2.139060e+01	8.248e-12	1.773e-01	4.842e-02
950	952509	2.139060e+01	1.143e-11	1.674e-01	7.158e-02
951	953511	2.139060e+01	8.731e-12	2.125e-01	6.511e-02
952	954513	2.139060e+01	5.590e-12	1.597e-01	2.947e-02
953	955515	2.139060e+01	1.638e-12	7.885e-02	1.226e-02
954	956517	2.139060e+01	7.695e-13	4.440e-02	1.086e-02
955	957560	2.139060e+01	1.254e-12	4.440e-02	4.059e-08
956	958567	2.139060e+01	1.276e-12	4.440e-02	1.224e-08
957	959574	2.139060e+01	1.249e-12	4.440e-02	1.211e-08
958	960580	2.139060e+01	1.239e-12	4.440e-02	1.216e-08
959	961586	2.139060e+01	1.236e-12	4.440e-02	1.219e-08
960	962592	2.139060e+01	1.235e-12	4.440e-02	1.219e-08

Iter	F-count	f(x)	Feasibility	First-order optimality	Norm of step
961	963598	2.139060e+01	1.235e-12	4.440e-02	1.219e-08
962	964604	2.139060e+01	1.235e-12	4.440e-02	1.219e-08
963	965610	2.139060e+01	1.235e-12	4.440e-02	1.219e-08
964	966616	2.139060e+01	1.235e-12	4.440e-02	1.219e-08
965	967622	2.139060e+01	1.235e-12	4.440e-02	1.219e-08
966	968628	2.139060e+01	1.235e-12	4.440e-02	1.219e-08
967	969634	2.139060e+01	1.235e-12	4.440e-02	1.219e-08
968	970640	2.139060e+01	1.235e-12	4.440e-02	1.219e-08
969	971646	2.139060e+01	1.235e-12	4.440e-02	1.219e-08
970	972652	2.139060e+01	1.235e-12	4.440e-02	1.219e-08
971	973658	2.139060e+01	1.235e-12	4.440e-02	1.220e-08
972	974664	2.139060e+01	1.235e-12	4.440e-02	1.219e-08
973	975670	2.139060e+01	1.235e-12	4.440e-02	1.219e-08
974	976676	2.139060e+01	1.235e-12	4.440e-02	1.219e-08
975	977682	2.139060e+01	1.235e-12	4.440e-02	1.219e-08
976	978688	2.139060e+01	1.235e-12	4.440e-02	1.219e-08
977	979694	2.139060e+01	1.235e-12	4.440e-02	1.219e-08
978	980700	2.139060e+01	1.235e-12	4.440e-02	1.219e-08
979	981706	2.139060e+01	1.235e-12	4.440e-02	1.219e-08

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 980    982712    2.139060e+01    1.235e-12    4.440e-02    1.219e-08
 981    983718    2.139060e+01    1.235e-12    4.440e-02    1.219e-08
 982    984724    2.139060e+01    1.235e-12    4.440e-02    1.219e-08
 983    985730    2.139060e+01    1.235e-12    4.440e-02    1.219e-08
 984    986736    2.139060e+01    1.235e-12    4.440e-02    1.219e-08
 985    987742    2.139060e+01    1.235e-12    4.440e-02    1.219e-08
 986    988748    2.139060e+01    1.235e-12    4.440e-02    1.220e-08
 987    989754    2.139060e+01    1.235e-12    4.440e-02    1.219e-08
 988    990760    2.139060e+01    1.235e-12    4.440e-02    1.219e-08
 989    991766    2.139060e+01    1.235e-12    4.440e-02    1.219e-08
 990    992772    2.139060e+01    1.235e-12    4.440e-02    1.219e-08
```

| | | | | First-order | Norm of |
Iter	F-count	f(x)	Feasibility	optimality	step
991	993778	2.139060e+01	1.235e-12	4.440e-02	1.219e-08
992	994784	2.139060e+01	1.235e-12	4.440e-02	1.219e-08
993	995790	2.139060e+01	1.235e-12	4.440e-02	1.219e-08
994	996796	2.139060e+01	1.235e-12	4.440e-02	1.219e-08
995	997802	2.139060e+01	1.235e-12	4.440e-02	1.219e-08
996	998808	2.139060e+01	1.235e-12	4.440e-02	1.219e-08
997	999814	2.139060e+01	1.235e-12	4.439e-02	1.219e-08
998	1000820	2.139060e+01	1.235e-12	4.440e-02	1.219e-08
999	1001826	2.139060e+01	1.235e-12	4.440e-02	1.219e-08
1000	1002832	2.139060e+01	1.235e-12	4.440e-02	1.219e-08

Feasible point with lower objective function value found.

Solver stopped prematurely.

fmincon stopped because it exceeded the iteration limit,
options.MaxIterations = 1.000000e+03.

IdleTimeout has been reached.
Parallel pool using the 'local' profile is shutting down.
>>