Gradiente delta F (0.0000001)					Gradiente X - last X (0.0000001)						Gradiente iter						
x0	Iter.	Opt. Point	Opt. Value	Error	x0	Iter.	Opt. Point	Opt. Value	Error		x0	Iter.	Opt. Point	Opt. Value	Error		
50 50	367	0.990169, 0.990169	0.000195216	0.000195216	50 50	367	0.990169, 0.990169	0.000195216	0.000195216		10 10	100000	11	0	0		
10 10	60	0.975245, 0.975245	0.00125583	0.00125583	10 10	60	0.975245, 0.975245	0.00125583	0.00125583		5 5	100000	11	0	0		
5 5	26	0.999199, 0.999199	1.28384e-006	0.0000012838	5 5	26	0.999199, 0.999199	1.28384e-006	0.0000012838		2.5 2.5	100000	11	0	0		
2.5 2.5	11	0.999999, 0.999999	2.01883e-012	0	2.5 2.5	11	0.999999, 0.999999	2.01883e-012	0		1.5 1.5	100000	11	0	0		
1.5 1.5	5	0.994507, 0.994507	6.06773e-005	0.0000606773	1.5 1.5	5	0.994507, 0.994507	6.06773e-005	0.0000606773		1 1	100000	11	0	0		
1 1	0	1 1	0	0	11	0	1 1	0	0		0.5 0.5	100000	11	0	0		
0.5 0.5	4	1.0125, 1.0125	0.000308462	0.000308462	0.5 0.5	4	1.0125, 1.0125	0.00	0.000308462		50 50	100000	11	0	0		
				f	4					f1							
										ш							
Newton	delta F				Newton last X						Newton iter						
x0	Iter.	Opt. Point	Opt. Value	Error	x0	Iter.	Opt. Point	Opt. Value	Error		x0	Iter.	Opt. Point	Opt. Value	Error		
1.5 1.5	483	1.00156 1.00156	4.845e-06	0.000004845	1.5 1.5	529	1.00098 1.00098	1.91965e-06	0.0000019196		50 50	100000	50.1428 50.1428	3.45482	345482		
1.3 1.3	470	1.00157 1.00157	4.91364e-06	0.0000049136	1.3 1.3	516	1.00099 1.00099	1.94682e-06	0.0000019468		10 10	100000	10.026 10.026	2.4534	962082		
1.1 1.1	398	1.00156 1.00156	4.85673e-06	0.0000048567	1.1 1.1	444	1.00098 1.00098	1.92429e-06	0.0000019242		5 5	100000	5.01246 5.01246	1.824	1824		
0.9 0.9	427	0.998435 0.998435	4.90904e-06	0.0000049090	0.9 0.9	473	0.999013 0.999013	1.94959e-06	0.0000019495		2.5 2.5	100000	2.50693 2.50693	0.989294	989294		
0.7 0.7	553	0.998434 0.998434	4.91519e-06	0.000004915	0.7 0.7	599	0.999013 0.999013	1.95204e-06	0.0000019520		1.5 1.5	100000	11	0	0		
1 1	1	11	0	0	11	1	11	0	0		1 1	100000	11	0	0		
											0.5 0.5	100000	11	0	0		
											0.1 0.1	100000	11	0	0		
				f	4					e a							
										f1							
		•				•	•							_			
Quasi Newton delta F					Quasi N	Quasi Newton last X						wton iter					
x0	Iter.	Opt. Point	Opt. Value	Error	x0	Iter.	Opt. Point	Opt. Value	Error		x0	Iter.	Opt. Point	Opt. Value	Error		
10 10	57	18.7345, 1.23689	2.26512	2.26512	10 10	61	18.7345, 1.23689	2.26512	2.26512		10 10	100	18.7513, 1.22165	2.26513	2.26513		
4 4	680	6.01647, 1.95402	1.54094	1.54094	4 4	906	6.01651, 1.95399	1.54094	1.54094		4 4	100	6.05632, 1.92197	1.54134	1.54134		
1.15 1.15	43	1.20352, 1.06604	0.037689	0.037689	1.15 1.15	45	1.20352, 1.06605	0.037689	0.037689		1.15 1.15	100	1.20352, 1.06605	0.037689	0.037689		
1.05 1.05	167	1.00071, 1.07651	0.00542124	0.00542124	1.05 1.05	172	1.00073, 1.07651	0.00542124	0.00542124		1.05 1.05	100	0.999752, 1.07664	0.00543894	0.00543894		
1.01 1.01	474	0.995354, 1.01869	0.000364617	0.000364617	1.01 1.01	468	0.995354, 1.01869	0.000364618	0.000364618		1.01 1.01	100	0.995452, 1.01899	0.000374474	0.000374474		
0.99 0.99	196	1.00224, 0.982867	0.000303611	0.000303611	0.99 0.99	201	1.00223, 0.982866	0.000303609	0.000303609		0.99 0.99	100	1.00238, 0.982759	0.000308093	0.000308093		
0.9 0.9	146	0.971986, 0.862552	0.0224167	0.0224167	0.9 0.9	151	0.971974, 0.862554	0.0224167	0.0224167		0.9 0.9	100	0.97187, 0.862571	0.0224171	0.0224171		
1 1	1	1, 1	0	0	11	1	1, 1	0	0		1 1	100	1, 1	0	0		
	1																
				f	4					f1					1		

Gradiente	delta	1				Gradiente	last X					Gradiente	iter					
x0	Iter.	Opt. Point	Opt. Value	Error		x0	Iter.		Opt. Value	Error		x0	Iter.	Opt. Point	Opt. Value	Error		
50 50	_	6.94318, 50.5887	4.00509	4.00509		50 50	94	6.94318, 50.5887	4.00509	4.00509		10 10		0.638678 -0.043403	0.00631368	0.00631368		
10 10	20	3.14879, 10.4104	2.41237	2.41237		10 10	100000	0.0638678, -0.043403	0.00631368	0.00631368		5 5	100000	0.0854977 0.00918034	0.00728674	0.00728674		
5 5	-	2.17905, 5.30976	1.80229	1.80229		5 5	8	2.17905, 5.30976	1.80229	1.80229		2.5 2.5	100000	-0.0153297 -0.0426741	0.00207404	0.00207404		
2.5 2.5	5	1.4521, 2.68392	1.23535	1.23535		2.5 2.5	5	1.4521, 2.68392	1.23535	1.23535		1.5 1.5	100000	0.0142757 -0.00518007	0.000232753	0.000232753		
1.5 1.5	13	-0.0375187, -0.00582551	0.00145891	0.00145891		1.5 1.5	13	-0.0375187, -0.00582551	0.00145891	0.00145891		1 1	100000	-0.00127809 0.0098959	9.95251e-005	0.000099525		
11	9	0.0191135, -0.00959819	0.000464491	0.000464491		11	9	0.0191135, -0.00959819	0.000464491	0.000464491		0.5 0.5	100000	-0.00406265 0.00622682	5.50716e-005	0.0000550716		
0.5 0.5	6	0.0123947, -0.0149315	0.000381116	0.000381116		0.5 0.5	6	0.0123947, -0.0149315	0.000381116	0.000381116		0 0	100000	0 0	0	0		
0 0	0	0 0	0	0		0 0	0	0 0	0	0		50 50	100000	-0.0600919 0.0204274	0.00388627	0.00388627		
					f2						f2							
					14						14							
Newton delta F						Newton last X						Newton iter						
	Iter.	Opt. Point	Opt. Value	Error			Iter.	Opt. Point	Opt. Value	Error			Iter.	Opt. Point	Opt. Value			
1.5 1.5	6	-7.59117e-06 -5.74587e-06	9.06415e-11	0		1.5 1.5	7	-4.37694e-07 -3.31289e-07	3.01315e-13	0		50 50	100000	50.0117 41.9119	15.6156	15.6156		
0.5 0.5		-2.5107e-07 1.35932e-06	1.91092e-12	0		0.5 0.5	6	-1.44729e-08 7.83613e-08	6.43929e-15	0		10 10	100000	10.0083 9.76655	9.02078	9.02078		
0 0	0	0 0	0	0		0 0	0	0 0	0	0		5 5	100000	5.00555 4.95524	6.06396	6.06396		
0.2 0.2		-4.93574e-07 1.45822e-06	2.36988e-12	0		0.2 0.2	5	-2.8452e-08 8.40623e-08	7.99361e-15	0		2.5 2.5	100000	2.50398 2.484	3.07283	3.07283		
												1.5 1.5	100000	-6.17427 38.9993	3.68617	3.68617		
												1 1	100000	0.997417 1.04811	0.691986	0.691986		
												0.5 0.5	100000	0.174032 0.159383	0.0458839	0.0458839		
												0 0	100000	0 0	0	0		
												0.2 0.2	1000000	0.00165634 0.00194382	6.51122e-06	0.0000065112		
												0.5 0.5	1000000	-3.96695e-09 -3.96513e-09		0.0000000112		
												0.6 0.6	1000000	14.7521 218.104	5.38841	5.38841		
					f2						f2	0.0 0.0	1000000	14.7321210.104	3.30041	J.J00 4 1		
Quasi Nev	wton (dolta F				Quasi New	rton last	Y				Quasi New	ton iter					
x0	Iter	Opt. Point	Opt. Value	Error		x0	Iter.		Opt. Value	Error		x0	Iter.	Opt. Point	Opt. Value	Error		
5, 5	112	1.06162e+78, 3.21104e+77		inf		5, 5	112	1.06162e+78, 3.21104e+77		inf		5, 5	112	1.06162e+78, 3.21104e+77		inf		
2, 2	-	5.70745e+77, 2.86068e+78		inf		2, 2	115	5.70745e+77, 2.86068e+78		inf		2, 2	115	5.70745e+77, 2.86068e+78		inf		
1.1, 1.1	40	-0.0249259, -0.0137479	0.000827431			1.1, 1.1	2	-0.83383, 0.860213	0.543764	0.543764		1.1, 1.1	203	-1.57528e+78, 3.35893e+79		inf		
0.8. 0.8	234	, ,		inf		0.8, 0.8	2	· ·	0.0913416	0.0913416		0.8, 0.8	234	-3.71711e+77, 1.29338e+77		inf		
0.8, 0.8	73	-0.016776, -0.0168296	0.000574057			0.8, 0.8	2	-0.286476, -0.0344426	0.0913416	0.0913416		0.8, 0.8	886	5.75774e+77, -6.2271e+77		inf		
,	13	,	5.79e-05	5.79e-05			2	,	8.74603e-05	8.74603e-05				,		inf		
0.2, 0.2	4	0.00577346, 0.00499003				0.2, 0.2	1	0.00127504, 0.00926653				0.2, 0.2	757	4.18572e+77, -4.64767e+77				
0.01, 0.01	1	-0.00156741, -0.00168306	5.29772e-06	5.29772e-06		0.01, 0.01	1	-0.00156741, -0.00168306	5.29772e-06	5.29772e-06		0.01, 0.01	551	-5.62893e+77, 1.28174e+78	IIII	inf		
0, 0	1	0, 0	U	U		0, 0	1	0, 0	0	U		0, 0	1	0, 0	U	0		
	-																	
	1														ı			
					f2	-					f2	-						