

$$f(x)=x^3+4*x^2-10$$

$$[a,b]=[1,2]$$

n	a	b	f(a)	f(b)	p	f(p)
1	1	2	-5	14	1.5	2.375
2	1	1.5	-5	2.375	1.25	-1.796875
3	1.25	1.5	-1.796875	2.375	1.375	0.162109375
4	1.25	1.375	-1.796875	0.162109375	1.3125	-0.84838867
5	1.3125	1.375	-0.848388672	0.162109375	1.34375	-0.35098267
6	1.34375	1.375	-0.350982666	0.162109375	1.359375	-0.09640884
7	1.359375	1.375	-0.096408844	0.162109375	1.3671875	0.032355785
8	1.359375	1.3671875	-0.096408844	0.032355785	1.36328125	-0.03214997
9	1.36328125	1.3671875	-0.032149971	0.032355785	1.365234375	7.20248E-05
10	1.36328125	1.365234375	-0.032149971	7.20248E-05	1.364257813	-0.01604669
11	1.364257813	1.365234375	-0.016046691	7.20248E-05	1.364746094	-0.00798926
12	1.364746094	1.365234375	-0.007989263	7.20248E-05	1.364990234	-0.0039591
13	1.364990234	1.365234375	-0.003959102	7.20248E-05	1.365112305	-0.00194366
14	1.365112305	1.365234375	-0.001943659	7.20248E-05	1.36517334	-0.00093585
15	1.36517334	1.365234375	-0.000935847	7.20248E-05	1.365203857	-0.00043192
16	1.365203857	1.365234375	-0.000431919	7.20248E-05	1.365219116	-0.00017995
17	1.365219116	1.365234375	-0.000179949	7.20248E-05	1.365226746	-5.3963E-05
18	1.365226746	1.365234375	-5.39625E-05	7.20248E-05	1.36523056	9.03099E-06
19	1.365226746	1.36523056	-5.39625E-05	9.03099E-06	1.365228653	-2.2466E-05
20	1.365228653	1.36523056	-2.24658E-05	9.03099E-06	1.365229607	-6.7174E-06
21	1.365229607	1.36523056	-6.71741E-06	9.03099E-06	1.365230083	1.15679E-06
22	1.365229607	1.365230083	-6.71741E-06	1.15679E-06	1.365229845	-2.7803E-06
23	1.365229845	1.365230083	-2.78031E-06	1.15679E-06	1.365229964	-8.1176E-07
24	1.365229964	1.365230083	-8.11763E-07	1.15679E-06	1.365230024	1.72513E-07
25	1.365229964	1.365230024	-8.11763E-07	1.72513E-07	1.365229994	-3.1962E-07
26	1.365229994	1.365230024	-3.19625E-07	1.72513E-07	1.365230009	-7.3556E-08
27	1.365230009	1.365230024	-7.35561E-08	1.72513E-07	1.365230016	4.94783E-08
28	1.365230009	1.365230016	-7.35561E-08	4.94783E-08	1.365230013	-1.2039E-08
29	1.365230013	1.365230016	-1.20389E-08	4.94783E-08	1.365230015	1.87197E-08
30	1.365230013	1.365230015	-1.20389E-08	1.87197E-08	1.365230014	3.34043E-09
31	1.365230013	1.365230014	-1.20389E-08	3.34043E-09	1.365230013	-4.3492E-09
32	1.365230013	1.365230014	-4.34922E-09	3.34043E-09	1.365230013	-5.0439E-10
33	1.365230013	1.365230014	-5.04393E-10	3.34043E-09	1.365230013	1.41802E-09
34	1.365230013	1.365230013	-5.04393E-10	1.41802E-09	1.365230013	4.56815E-10