Data:-

Hight(X)	Shoe Size(US)(Y)	X * X	Y * Y	X * Y	Size(Predicted)	E	E^2
180	9	32400	81	1620	8.234	0.766	0.587
165	8	27225	64	1320	7.587	0.413	0.170
178	9	31684	81	1602	8.148	0.852	0.727
160	10	25600	100	1600	7.372	2.628	6.906
182	6	33124	36	1092	8.320	-2.320	5.382
158	6	24964	36	948	7.286	-1.286	1.654
165	6	27225	36	990	7.587	-1.587	2.520
181	10	32761	100	1810	8.277	1.723	2.969
184	10	33856	100	1840	8.406	1.594	2.541
180	11	32400	121	1980	8.234	2.766	7.652
179	9	32041	81	1611	8.191	0.809	0.655
177	10	31329	100	1770	8.104	1.896	3.593
178	9	31684	81	1602	8.148	0.852	0.727
165	7	27225	49	1155	7.587	-0.587	0.345
160	6	25600	36	960	7.372	-1.372	1.883
185	11	34225	121	2035	8.449	2.551	6.507
174	8	30276	64	1392	7.975	0.025	0.001
164	6	26896	36	984	7.544	-1.544	2.385
174	11	30276	121	1914	7.975	3.025	9.149
181	10	32761	100	1810	8.277	1.723	2.969
172	9	29584	81	1548	7.889	1.111	1.234
163	6	26569	36	978	7.501	-1.501	2.254
168	6.5	28224	42.25	1092	7.717	-1.217	1.480
165	9	27225	81	1485	7.587	1.413	1.995
170	8	28900	64	1360	7.803	0.197	0.039
174	11	30276	121	1914	7.975	3.025	9.149
189	9	35721	81	1701	8.621	0.379	0.143
185	9	34225	81	1665	8.449	0.551	0.303
195	8	38025	64	1560	8.880	-0.880	0.774
149	6.5	22201	42.25	968.5	6.898	-0.398	0.159
189	9	35721	81	1701	8.621	0.379	0.143
147	6	21609	36	882	6.812	-0.812	0.659
154	11	23716	121	1694	7.114	3.886	15.104
174	7	30276	49	1218	7.975	-0.975	0.951
169	8	28561	64	1352	7.760	0.240	0.058
195	8	38025	64	1560	8.880	-0.880	0.774
159	6.5	25281	42.25	1033.5	7.329	-0.829	0.687
192	11	36864	121	2112	8.751	2.249	5.059
155	6	24025	36	930	7.157	-1.157	1.338
191	8	36481	64	1528	8.708	-0.708	0.501
153	6	23409	36	918	7.070	-1.070	1.146
157	7	24649	49	1099	7.243	-0.243	0.059
140	6.5	19600	42.25	910	6.510	-0.010	0.000

144	6	20736	36	864	6.683	-0.683	0.466
172	10	29584	100	1720	7.889	2.111	4.456
157	11	24649	121	1727	7.243	3.757	14.116
153	7	23409	49	1071	7.070	-0.070	0.005
169	6.5	28561	42.25	1098.5	7.760	-1.260	1.587
185	11	34225	121	2035	8.449	2.551	6.507
172	6	29584	36	1032	7.889	-1.889	3.569
151	6	22801	36	906	6.984	-0.984	0.969
190	9	36100	81	1710	8.665	0.335	0.113
187	7	34969	49	1309	8.535	-1.535	2.357
163	7	26569	49	1141	7.501	-0.501	0.251
151	6.5	22801	42.25	981.5	6.984	-0.484	0.235
190	9	36100	81	1710	8.665	0.335	0.113
187	6.5	34969	42.25	1215.5	8.535	-2.035	4.142
163	7	26569	49	1141	7.501	-0.501	0.251
179	9	32041	81	1611	8.191	0.809	0.655
153	9	23409	81	1377	7.070	1.930	3.723
178	7	31684	49	1246	8.148	-1.148	1.317
195	6.5	38025	42.25	1267.5	8.880	-2.380	5.664
160	6.5	25600	42.25	1040	7.372	-0.872	0.761
157	7	24649	49	1099	7.243	-0.243	0.059
189	7	35721	49	1323	8.621	-1.621	2.629
197	8	38809	64	1576	8.966	-0.966	0.933
171	8	29241	64	1368	7.846	0.154	0.024
185	9	34225	81	1665	8.449	0.551	0.303
175	7	30625	49	1225	8.018	-1.018	1.037
149	6.5	22201	42.25	968.5	6.898	-0.398	0.159
157	6.5	24649	42.25	1020.5	7.243	-0.743	0.552
161	8	25921	64	1288	7.415	0.585	0.342
182	9	33124	81	1638	8.320	0.680	0.463
185	7	34225	49	1295	8.449	-1.449	2.100
188	9	35344	81	1692	8.578	0.422	0.178
181	8	32761	64	1448	8.277	-0.277	0.077
161	7	25921	49	1127	7.415	-0.415	0.172
168	8	28224	64	1344	7.717	0.283	0.080
176	6.5	30976	42.25	1144	8.061	-1.561	2.438
163	8	26569	64	1304	7.501	0.499	0.249
172	9	29584	81	1548	7.889	1.111	1.234
196	11	38416	121	2156	8.923	2.077	4.314
187	7	34969	49	1309	8.535	-1.535	2.357
172	7	29584	49	1204	7.889	-0.889	0.790
178	9	31684	81	1602	8.148	0.852	0.727
164	6.5	26896	42.25	1066	7.544	-1.044	1.091
191	6.5	36481	42.25	1241.5	8.708	-2.208	4.874
193	7	37249	49	1351	8.794	-1.794	3.218
190	7	36100	49	1330	8.665	-1.665	2.771
175	8	30625	64	1400	8.018	-0.018	0.000
179	8	32041	64	1432	8.191	-0.191	0.036
172	7	29584	49	1204	7.889	-0.889	0.790
168	6.5	28224	42.25	1092	7.717	-1.217	1.480

164	6	26896	36	984	7.544	-1.544	2.385
194	9	37636	81	1746	8.837	0.163	0.027
178	8	31684	64	1424	8.148	-0.148	0.022
180	9	32400	81	1620	8.234	0.766	0.587
185	9	34225	81	1665	8.449	0.551	0.303
197	8	38809	64	1576	8.966	-0.966	0.933
165	7	27225	49	1155	7.587	-0.587	0.345
168	7	28224	49	1176	7.717	-0.717	0.514
176	8	30976	64	1408	8.061	-0.061	0.004
181	8	32761	64	1448	8.277	-0.277	0.077
164	8	26896	64	1312	7.544	0.456	0.208
166	8	27556	64	1328	7.631	0.369	0.136
190	9	36100	81	1710	8.665	0.335	0.113
186	10	34596	100	1860	8.492	1.508	2.273
168	9	28224	81	1512	7.717	1.283	1.647
183	7	33489	49	1281	8.363	-1.363	1.858
18901	866.5	3297423	7126.75	151112.5	866.500		201.498