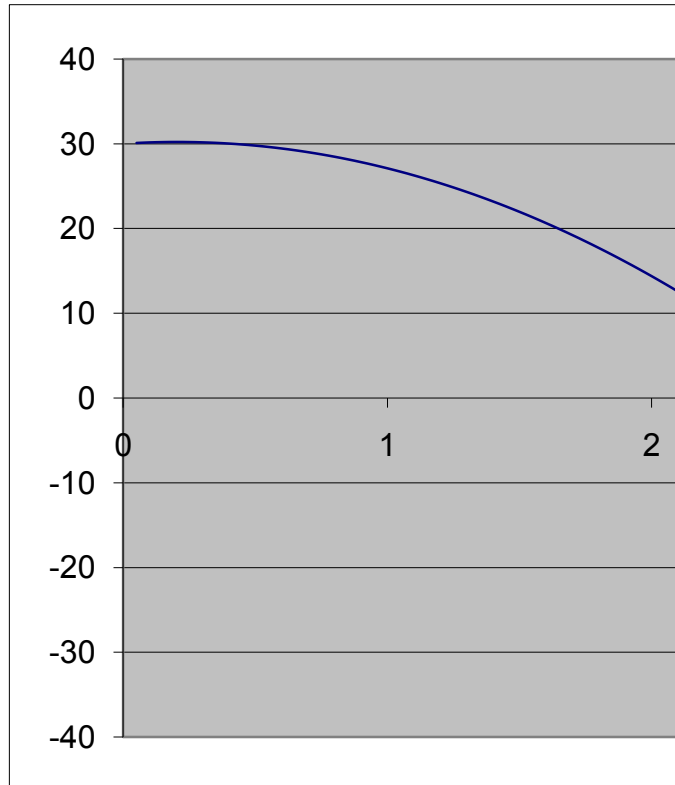


y0 30 m
 v0 2 m/s
 g 9.81 m/s²
 dt 0.05 s

$$y = y_0 + v_0 t - \frac{1}{2} g t^2$$

t	y
0.05	30.08774
0.1	30.15095
0.15	30.18964
0.2	30.2038
0.25	30.19344
0.3	30.15855
0.35	30.09914
0.4	30.0152
0.45	29.90674
0.5	29.77375
0.55	29.61624
0.6	29.4342
0.65	29.22764
0.7	28.99655
0.75	28.74094
0.8	28.4608
0.85	28.15614
0.9	27.82695
0.95	27.47324
1	27.095
1.05	26.69224
1.1	26.26495
1.15	25.81314
1.2	25.3368
1.25	24.83594
1.3	24.31055
1.35	23.76064
1.4	23.1862
1.45	22.58724
1.5	21.96375
1.55	21.31574
1.6	20.6432
1.65	19.94614
1.7	19.22455
1.75	18.47844
1.8	17.7078
1.85	16.91264
1.9	16.09295
1.95	15.24874
2	14.38
2.05	13.48674
2.1	12.56895
2.15	11.62664
2.2	10.6598
2.25	9.668438
2.3	8.65255
2.35	7.612138
2.4	6.5472
2.45	5.457738
2.5	4.34375



2.55	3.205238
2.6	2.0422
2.65	0.854638
2.7	-0.35745
2.75	-1.59406
2.8	-2.8552
2.85	-4.14086
2.9	-5.45105
2.95	-6.78576
3	-8.145
3.05	-9.52876
3.1	-10.937
3.15	-12.3699
3.2	-13.8272
3.25	-15.3091
3.3	-16.8154
3.35	-18.3464
3.4	-19.9018
3.45	-21.4818
3.5	-23.0862
3.55	-24.7153
3.6	-26.3688
3.65	-28.0469
3.7	-29.7494
3.75	-31.4766
3.8	-33.2282

