$n := 12 \qquad \Delta t := \frac{3}{n} \qquad t_0 := 0$

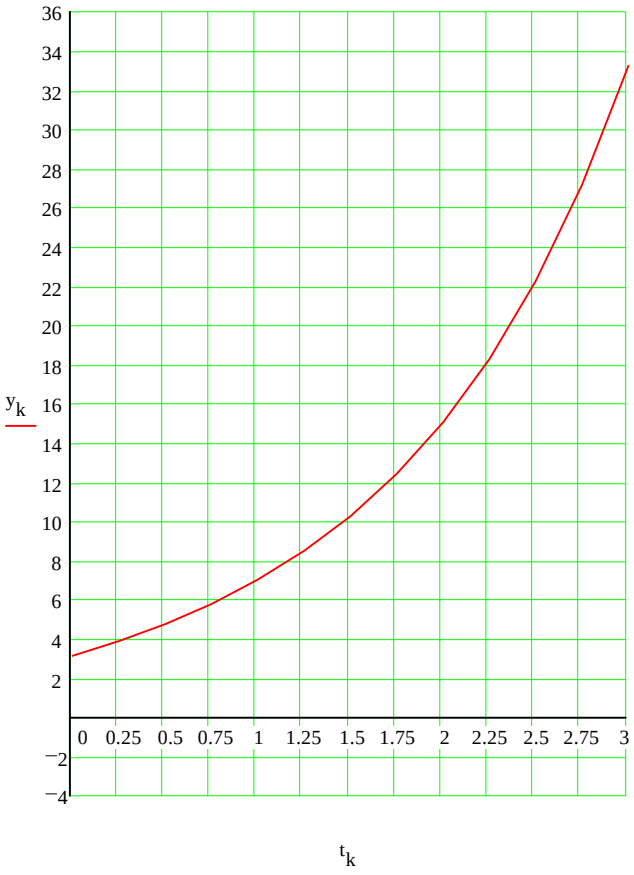
$k := 0, 1 .. n \qquad j := 0, 1 .. n$

$t_k := k \cdot \Delta t$

$y_0 := 3$

$y_{k+1} := y_k + \left(y_k - t_k\right) \cdot \Delta t$

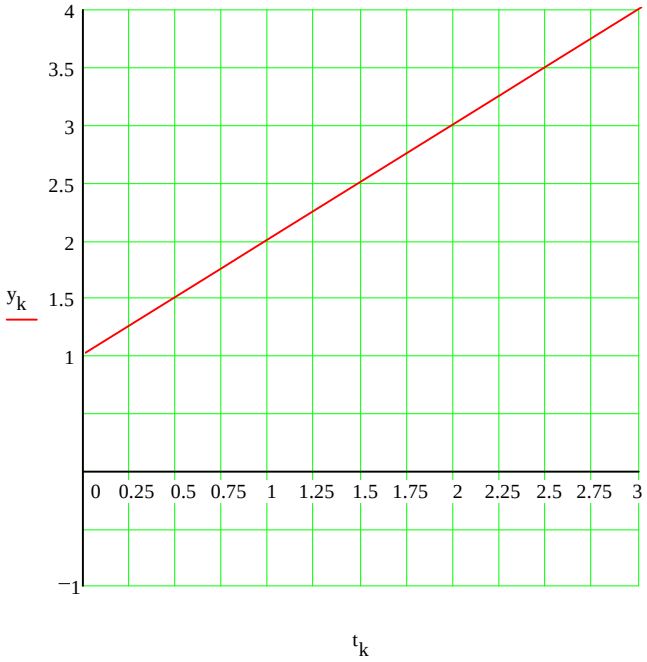
t_j	y_j
0	3
0.25	3.75
0.5	4.625
0.75	5.65625
1	6.8828125
1.25	8.353515625
1.5	10.1293945313
1.75	12.2867431641
2	14.9209289551
2.25	18.1511611938
2.5	22.1264514923
2.75	27.0330643654
3	33.1038304567



$y_0 := 1$

$y_{k+1} := y_k + (y_k - t_k) \cdot \Delta t$

t_j	y_j
0	1
0.25	1.25
0.5	1.5
0.75	1.75
1	2
1.25	2.25
1.5	2.5
1.75	2.75
2	3
2.25	3.25
2.5	3.5
2.75	3.75
3	4



$y_0 := .25$

$y_{k+1} := y_k + (y_k - t_k) \cdot \Delta t$

t_j	y_j
0	0.25
0.25	0.3125
0.5	0.328125
0.75	0.28515625
1	0.1689453125
1.25	-0.0388183594
1.5	-0.3610229492
1.75	-0.8262786865
2	-1.4703483582
2.25	-2.3379354477
2.5	-3.4849193096
2.75	-4.981149137
3	-6.9139364213