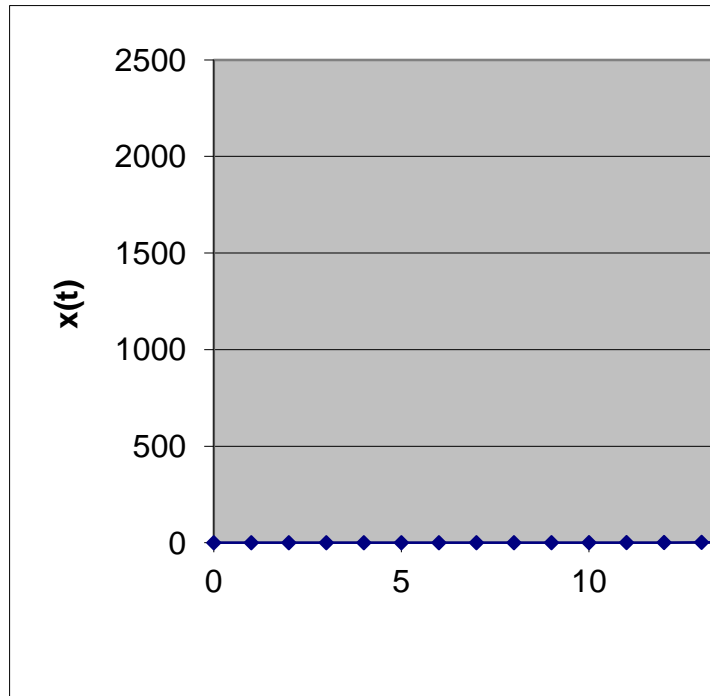
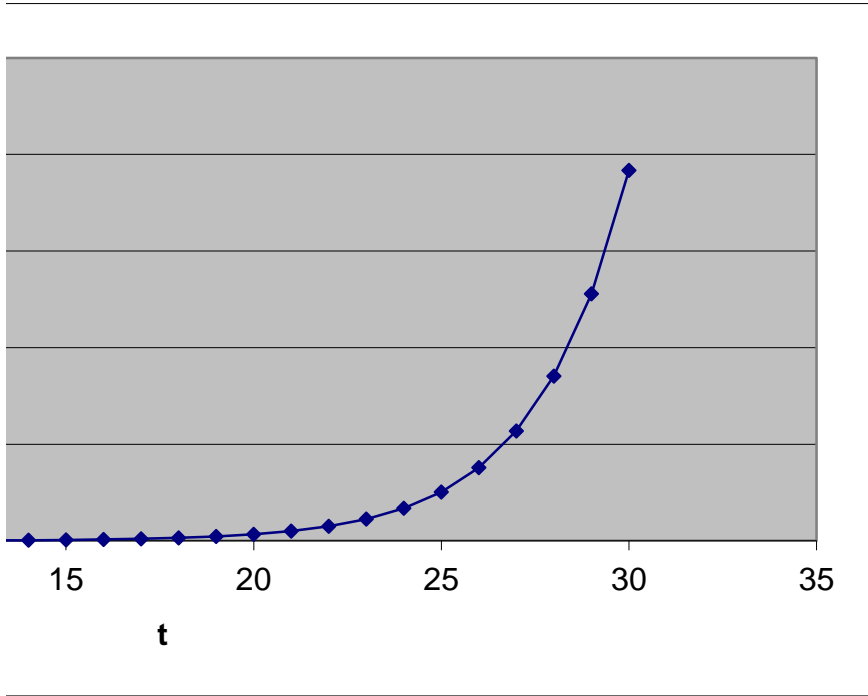


Malthusův model $x(t+1)=r*x(t)$

Parametr: $r = 1.5$

t	$x(t)$
0	0.01
1	0.015
2	0.0225
3	0.03375
4	0.050625
5	0.075938
6	0.113906
7	0.170859
8	0.256289
9	0.384434
10	0.57665
11	0.864976
12	1.297463
13	1.946195
14	2.919293
15	4.378939
16	6.568408
17	9.852613
18	14.77892
19	22.16838
20	33.25257
21	49.87885
22	74.81828
23	112.2274
24	168.3411
25	252.5117
26	378.7675
27	568.1513
28	852.2269
29	1278.34
30	1917.511



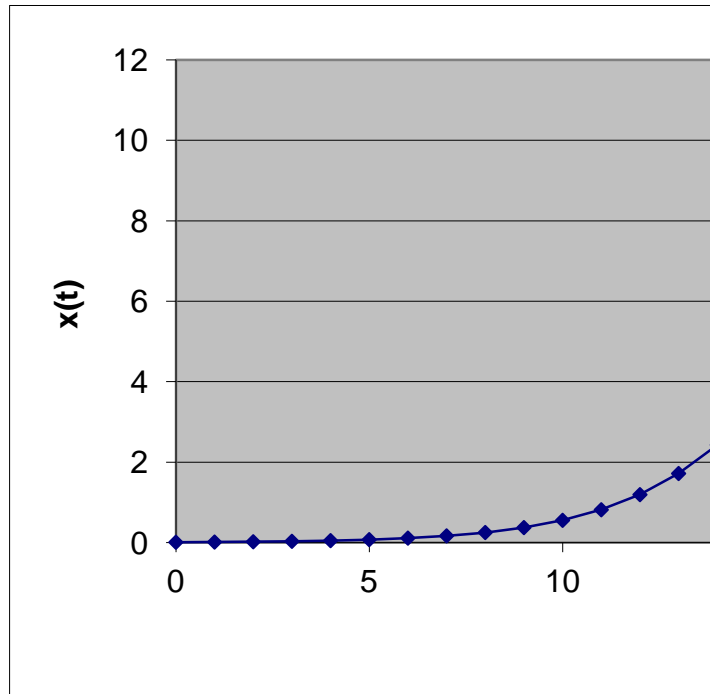


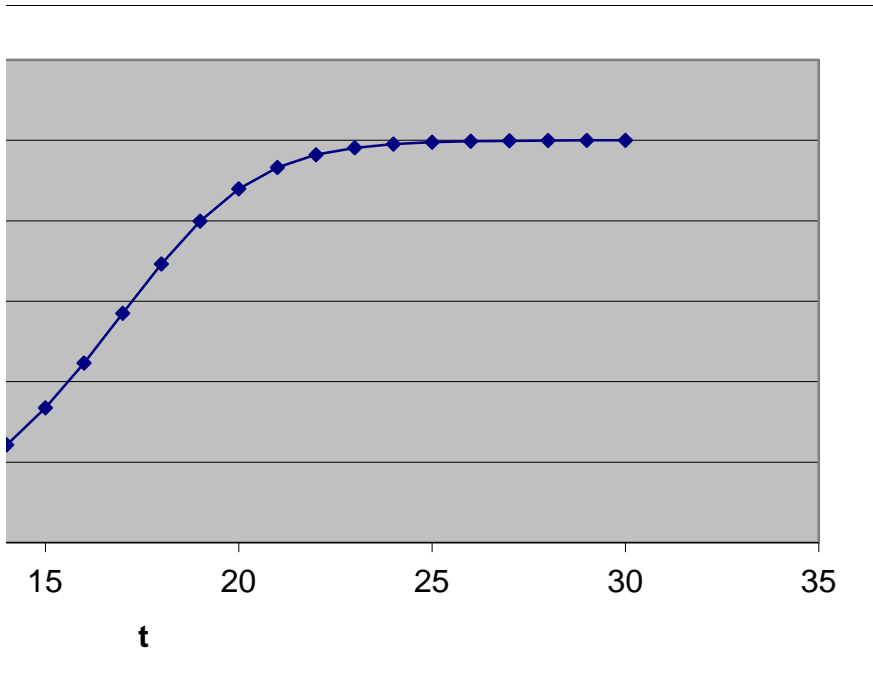
Verhulstuv model $x(t+1)=x(t)*(r-(r-1)/K*x(t))$

Parametry:

$r=$	1.5
$K=$	10

t	$x(t)$
0	0.01
1	0.014995
2	0.022481
3	0.033697
4	0.050488
5	0.075605
6	0.113121
7	0.169042
8	0.252135
9	0.375023
10	0.555503
11	0.817825
12	1.193296
13	1.718746
14	2.430414
15	3.350275
16	4.464196
17	5.699842
18	6.925353
19	7.990004
20	8.792997
21	9.323656
22	9.638956
23	9.81296
24	9.904731
25	9.951912
26	9.97584
27	9.987891
28	9.993938
29	9.996967
30	9.998483



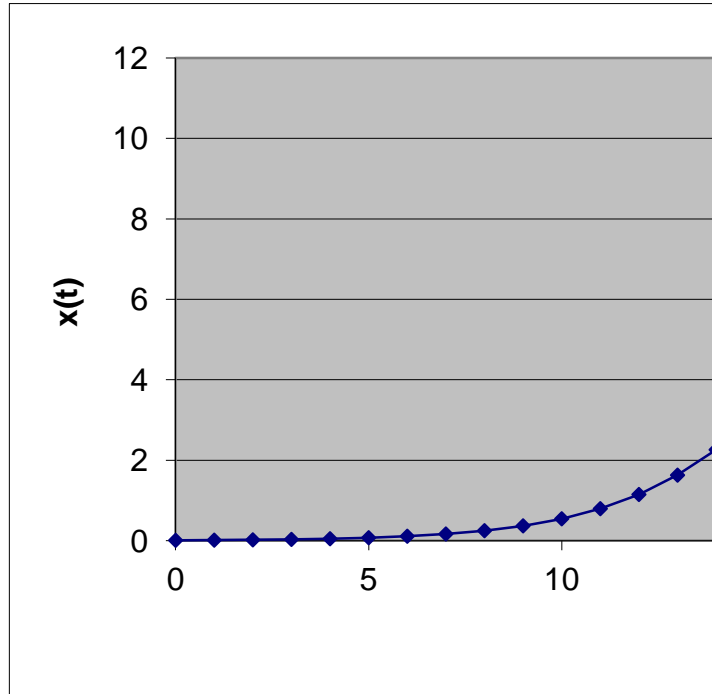


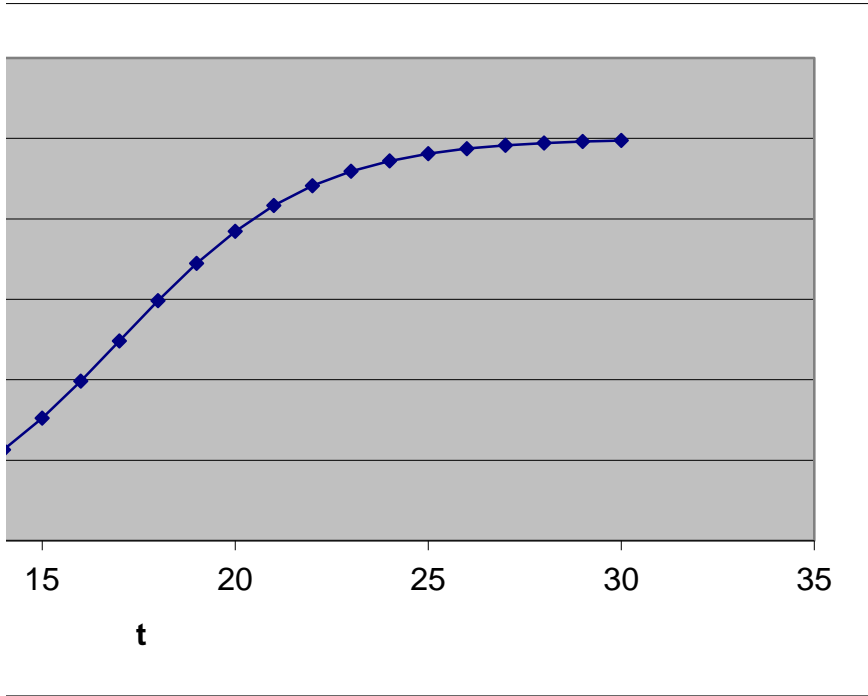
Model Pielou $x(t+1)=x(t)*r*K/(K+(r-1)*x(t))$

Parametry:

$r=$	1.5
$K=$	10

t	$x(t)$
0	0.01
1	0.014993
2	0.022472
3	0.03367
4	0.05042
5	0.07544
6	0.112735
7	0.168154
8	0.250129
9	0.370559
10	0.545727
11	0.796847
12	1.149473
13	1.630499
14	2.261389
15	3.047503
16	3.966811
17	4.965381
18	5.966719
19	6.8935
20	7.689776
21	8.331353
22	8.822049
23	9.182604
24	9.439806
25	9.619431
26	9.743027
27	9.827205
28	9.884136
29	9.922458
30	9.948171



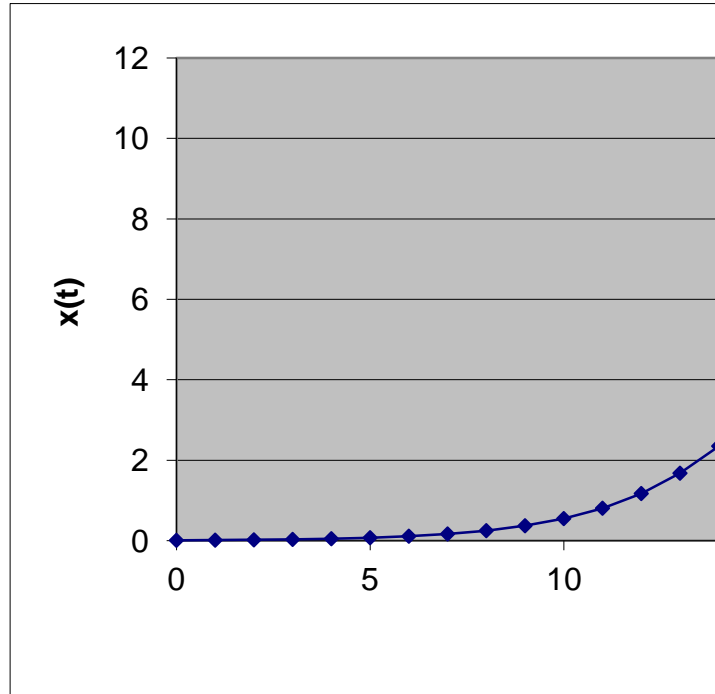


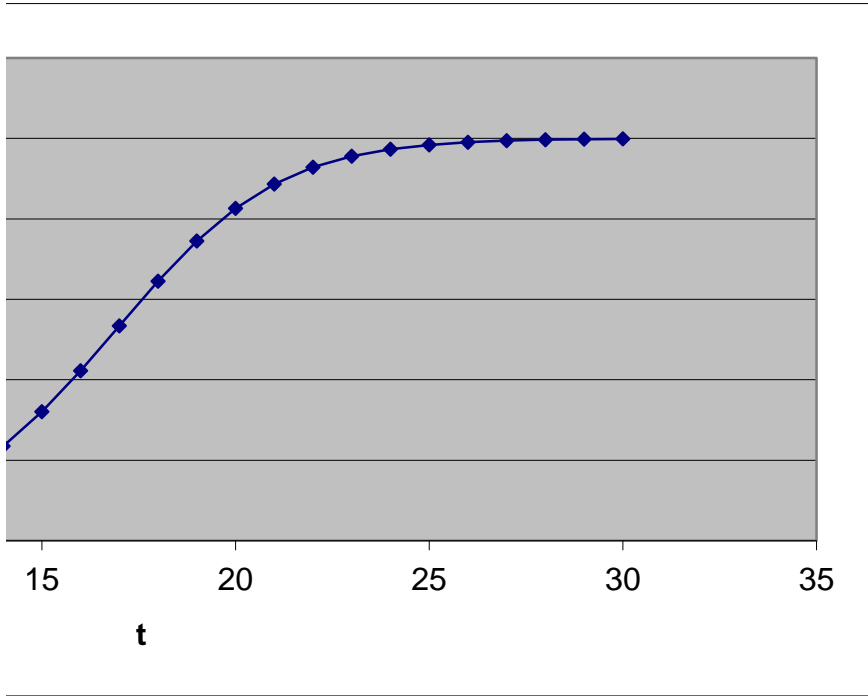
Rickerův model $x(t+1)=x(t)*r^{1-x(t)/K}$

Parametry:

$r=$ 1.5
 $K=$ 10

t	$x(t)$
0	0.01
1	0.014994
2	0.022477
3	0.033685
4	0.050459
5	0.075533
6	0.112954
7	0.168656
8	0.25126
9	0.37307
10	0.551204
11	0.808532
12	1.173683
13	1.678706
14	2.352368
15	3.20755
16	4.22457
17	5.339281
18	6.449915
19	7.448484
20	8.260338
21	8.864041
22	9.28186
23	9.556103
24	9.729655
25	9.836894
26	9.902165
27	9.941523
28	9.965123
29	9.979225
30	9.987635



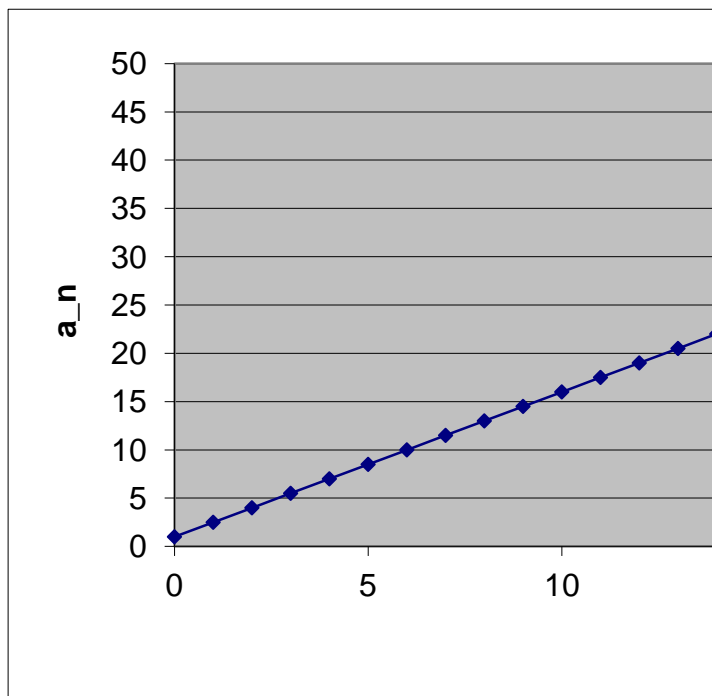


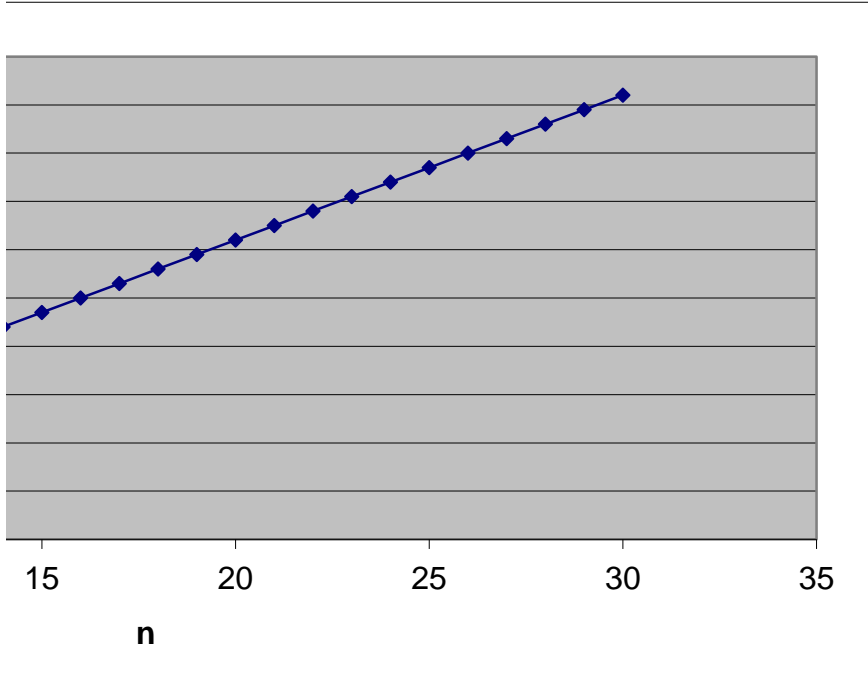
Aritmetická posloupnost $a_{n+1}=a_n+d$

Parametry:

$d=$

n	a_n
0	1
1	2.5
2	4
3	5.5
4	7
5	8.5
6	10
7	11.5
8	13
9	14.5
10	16
11	17.5
12	19
13	20.5
14	22
15	23.5
16	25
17	26.5
18	28
19	29.5
20	31
21	32.5
22	34
23	35.5
24	37
25	38.5
26	40
27	41.5
28	43
29	44.5
30	46



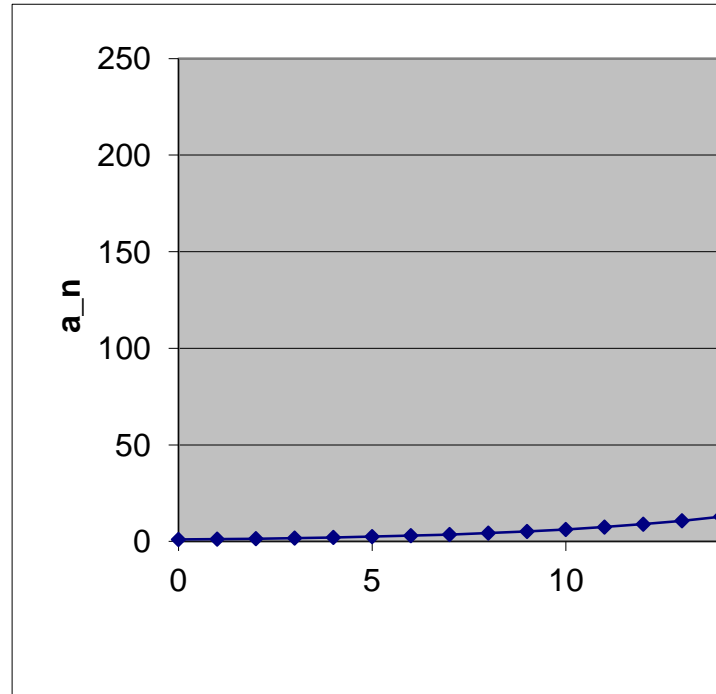


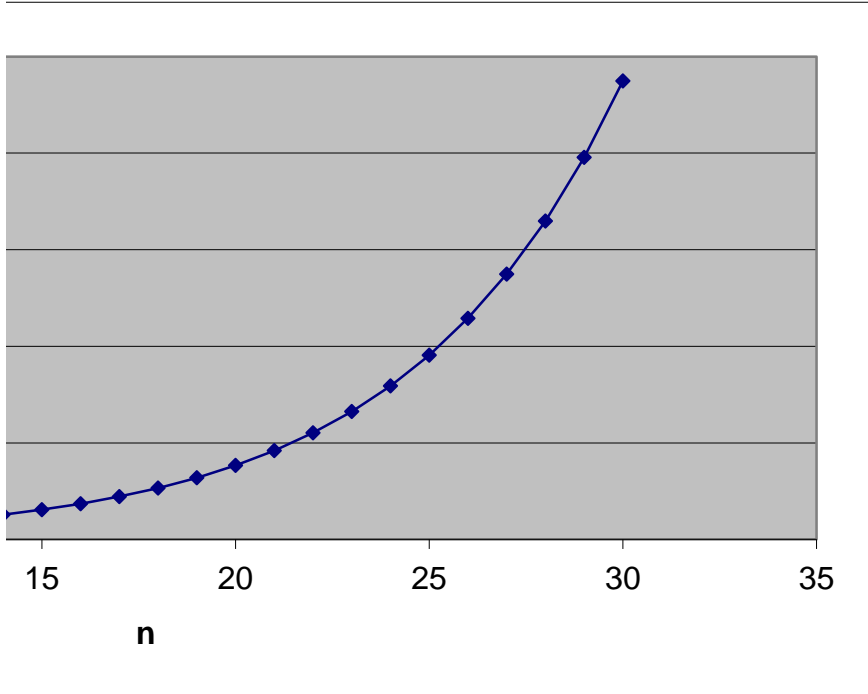
Geometrická posloupnost $a_{n+1}=a_n \cdot q$

Parametry:

$q =$

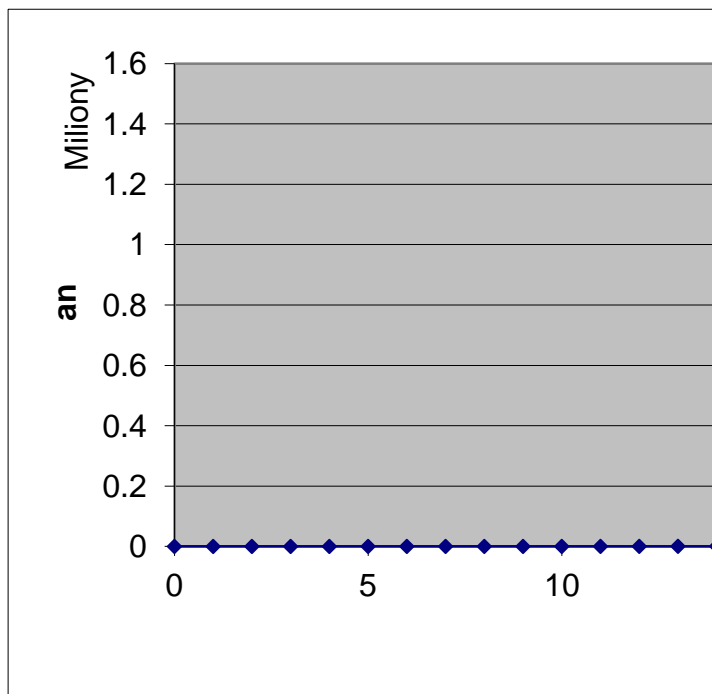
n	a_n
0	1
1	1.2
2	1.44
3	1.728
4	2.0736
5	2.48832
6	2.985984
7	3.583181
8	4.299817
9	5.15978
10	6.191736
11	7.430084
12	8.9161
13	10.69932
14	12.83918
15	15.40702
16	18.48843
17	22.18611
18	26.62333
19	31.948
20	38.3376
21	46.00512
22	55.20614
23	66.24737
24	79.49685
25	95.39622
26	114.4755
27	137.3706
28	164.8447
29	197.8136
30	237.3763

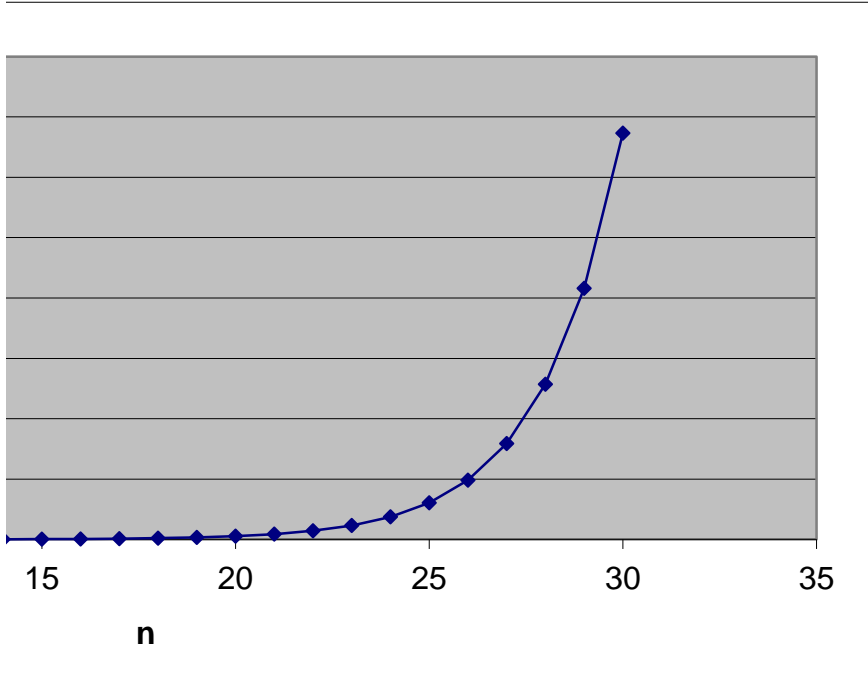




Fibonacciho posloupnost $a_{n+1}=a_n+a_{n-1}$

n	a_n
0	1
1	1
2	2
3	3
4	5
5	8
6	13
7	21
8	34
9	55
10	89
11	144
12	233
13	377
14	610
15	987
16	1597
17	2584
18	4181
19	6765
20	10946
21	17711
22	28657
23	46368
24	75025
25	121393
26	196418
27	317811
28	514229
29	832040
30	1346269





n	a_n	Δa_n
0	0.01	0.02997
1	0.03997	0.119431
2	0.159401	0.47058
3	0.62998	1.770878
4	2.400859	5.473339
5	7.874198	5.021696
6	12.89589	-11.2035
7	1.692352	4.21784
8	5.910192	7.251465
9	13.16166	-12.4838
10	0.677863	1.89574
11	2.573604	5.73378
12	8.307384	4.218363
13	12.52575	-9.49106
14	3.034686	6.341263
15	9.375949	1.755321
16	11.13127	-3.77774
17	7.353528	5.838271
18	13.1918	-12.6317
19	0.560125	1.586254
20	2.146379	5.057054
21	7.203433	6.043465
22	13.2469	-12.9034
23	0.3435	0.995103
24	1.338603	3.478251
25	4.816854	7.489937
26	12.30679	-8.51676
27	3.790033	7.060794
28	10.85083	-2.76965
29	8.081175	4.651908
30	12.73308	

