

A -- k1 (řád n) --> B

		Pocatecni koncentrace	time_step	1.00E-02
k1	0.3 min-1	A0	1	
řád n:	0.5	B0	0	

$v = d[x]/dt = -d[A]/dt$      $d[B]/dt = k1 * [A]**n = -d[A]/dt = k1 * [A]**n$

Numericke reseni:

$[x(t+dt)] = [x(t)] + dt k1 [Ao(t) - X(t)]**n$

$[A(t+dt)] = [A(t)] - dt k1 [A(t)]**n$

$[B(t+dt)] = [B(t)] + dt \{ k1 [(A(t)) **n]$

t/ s	X/ M	A/ M	B/ M	kontrola
0	0	0	1	0 1.00E+00
1.00E-02	3.00E-03	9.97E-01	3.00E-03	1.00E+00
2.00E-02	6.00E-03	9.94E-01	6.00E-03	1.00E+00
3.00E-02	8.99E-03	9.91E-01	8.99E-03	1.00E+00
4.00E-02	1.20E-02	9.88E-01	1.20E-02	1.00E+00
5.00E-02	1.50E-02	9.85E-01	1.50E-02	1.00E+00
6.00E-02	1.79E-02	9.82E-01	1.79E-02	1.00E+00
7.00E-02	2.09E-02	9.79E-01	2.09E-02	1.00E+00
8.00E-02	2.39E-02	9.76E-01	2.39E-02	1.00E+00
9.00E-02	2.68E-02	9.73E-01	2.68E-02	1.00E+00
1.00E-01	2.98E-02	9.70E-01	2.98E-02	1.00E+00
1.10E-01	3.28E-02	9.67E-01	3.28E-02	1.00E+00
1.20E-01	3.57E-02	9.64E-01	3.57E-02	1.00E+00
1.30E-01	3.86E-02	9.61E-01	3.86E-02	1.00E+00
1.40E-01	4.16E-02	9.58E-01	4.16E-02	1.00E+00
1.50E-01	4.45E-02	9.55E-01	4.45E-02	1.00E+00
1.60E-01	4.75E-02	9.53E-01	4.75E-02	1.00E+00
1.70E-01	5.04E-02	9.50E-01	5.04E-02	1.00E+00
1.80E-01	5.33E-02	9.47E-01	5.33E-02	1.00E+00
1.90E-01	5.62E-02	9.44E-01	5.62E-02	1.00E+00
2.00E-01	5.91E-02	9.41E-01	5.91E-02	1.00E+00
2.10E-01	6.21E-02	9.38E-01	6.21E-02	1.00E+00
2.20E-01	6.50E-02	9.35E-01	6.50E-02	1.00E+00
2.30E-01	6.79E-02	9.32E-01	6.79E-02	1.00E+00
2.40E-01	7.08E-02	9.29E-01	7.08E-02	1.00E+00
2.50E-01	7.36E-02	9.26E-01	7.36E-02	1.00E+00
2.60E-01	7.65E-02	9.23E-01	7.65E-02	1.00E+00
2.70E-01	7.94E-02	9.21E-01	7.94E-02	1.00E+00
2.80E-01	8.23E-02	9.18E-01	8.23E-02	1.00E+00
2.90E-01	8.52E-02	9.15E-01	8.52E-02	1.00E+00
3.00E-01	8.80E-02	9.12E-01	8.80E-02	1.00E+00
3.10E-01	9.09E-02	9.09E-01	9.09E-02	1.00E+00
3.20E-01	9.38E-02	9.06E-01	9.38E-02	1.00E+00
3.30E-01	9.66E-02	9.03E-01	9.66E-02	1.00E+00
3.40E-01	9.95E-02	9.01E-01	9.95E-02	1.00E+00
3.50E-01	1.02E-01	8.98E-01	1.02E-01	1.00E+00
3.60E-01	1.05E-01	8.95E-01	1.05E-01	1.00E+00
3.70E-01	1.08E-01	8.92E-01	1.08E-01	1.00E+00
3.80E-01	1.11E-01	8.89E-01	1.11E-01	1.00E+00
3.90E-01	1.14E-01	8.86E-01	1.14E-01	1.00E+00
4.00E-01	1.16E-01	8.84E-01	1.16E-01	1.00E+00



4.10E-01	1.19E-01	8.81E-01	1.19E-01	1.00E+00
4.20E-01	1.22E-01	8.78E-01	1.22E-01	1.00E+00
4.30E-01	1.25E-01	8.75E-01	1.25E-01	1.00E+00
4.40E-01	1.28E-01	8.72E-01	1.28E-01	1.00E+00
4.50E-01	1.31E-01	8.69E-01	1.31E-01	1.00E+00
4.60E-01	1.33E-01	8.67E-01	1.33E-01	1.00E+00
4.70E-01	1.36E-01	8.64E-01	1.36E-01	1.00E+00
4.80E-01	1.39E-01	8.61E-01	1.39E-01	1.00E+00
4.90E-01	1.42E-01	8.58E-01	1.42E-01	1.00E+00
5.00E-01	1.44E-01	8.56E-01	1.44E-01	1.00E+00
5.10E-01	1.47E-01	8.53E-01	1.47E-01	1.00E+00
5.20E-01	1.50E-01	8.50E-01	1.50E-01	1.00E+00
5.30E-01	1.53E-01	8.47E-01	1.53E-01	1.00E+00
5.40E-01	1.56E-01	8.44E-01	1.56E-01	1.00E+00
5.50E-01	1.58E-01	8.42E-01	1.58E-01	1.00E+00
5.60E-01	1.61E-01	8.39E-01	1.61E-01	1.00E+00
5.70E-01	1.64E-01	8.36E-01	1.64E-01	1.00E+00
5.80E-01	1.67E-01	8.33E-01	1.67E-01	1.00E+00
5.90E-01	1.69E-01	8.31E-01	1.69E-01	1.00E+00
6.00E-01	1.72E-01	8.28E-01	1.72E-01	1.00E+00
6.10E-01	1.75E-01	8.25E-01	1.75E-01	1.00E+00
6.20E-01	1.77E-01	8.23E-01	1.77E-01	1.00E+00
6.30E-01	1.80E-01	8.20E-01	1.80E-01	1.00E+00
6.40E-01	1.83E-01	8.17E-01	1.83E-01	1.00E+00
6.50E-01	1.86E-01	8.14E-01	1.86E-01	1.00E+00
6.60E-01	1.88E-01	8.12E-01	1.88E-01	1.00E+00
6.70E-01	1.91E-01	8.09E-01	1.91E-01	1.00E+00
6.80E-01	1.94E-01	8.06E-01	1.94E-01	1.00E+00
6.90E-01	1.96E-01	8.04E-01	1.96E-01	1.00E+00
7.00E-01	1.99E-01	8.01E-01	1.99E-01	1.00E+00
7.10E-01	2.02E-01	7.98E-01	2.02E-01	1.00E+00
7.20E-01	2.04E-01	7.96E-01	2.04E-01	1.00E+00
7.30E-01	2.07E-01	7.93E-01	2.07E-01	1.00E+00
7.40E-01	2.10E-01	7.90E-01	2.10E-01	1.00E+00
7.50E-01	2.13E-01	7.87E-01	2.13E-01	1.00E+00
7.60E-01	2.15E-01	7.85E-01	2.15E-01	1.00E+00
7.70E-01	2.18E-01	7.82E-01	2.18E-01	1.00E+00
7.80E-01	2.20E-01	7.80E-01	2.20E-01	1.00E+00
7.90E-01	2.23E-01	7.77E-01	2.23E-01	1.00E+00
8.00E-01	2.26E-01	7.74E-01	2.26E-01	1.00E+00
8.10E-01	2.28E-01	7.72E-01	2.28E-01	1.00E+00
8.20E-01	2.31E-01	7.69E-01	2.31E-01	1.00E+00
8.30E-01	2.34E-01	7.66E-01	2.34E-01	1.00E+00
8.40E-01	2.36E-01	7.64E-01	2.36E-01	1.00E+00
8.50E-01	2.39E-01	7.61E-01	2.39E-01	1.00E+00
8.60E-01	2.42E-01	7.58E-01	2.42E-01	1.00E+00
8.70E-01	2.44E-01	7.56E-01	2.44E-01	1.00E+00
8.80E-01	2.47E-01	7.53E-01	2.47E-01	1.00E+00
8.90E-01	2.49E-01	7.51E-01	2.49E-01	1.00E+00
9.00E-01	2.52E-01	7.48E-01	2.52E-01	1.00E+00
9.10E-01	2.55E-01	7.45E-01	2.55E-01	1.00E+00
9.20E-01	2.57E-01	7.43E-01	2.57E-01	1.00E+00
9.30E-01	2.60E-01	7.40E-01	2.60E-01	1.00E+00
9.40E-01	2.62E-01	7.38E-01	2.62E-01	1.00E+00
9.50E-01	2.65E-01	7.35E-01	2.65E-01	1.00E+00
9.60E-01	2.67E-01	7.33E-01	2.67E-01	1.00E+00

9.70E-01	2.70E-01	7.30E-01	2.70E-01	1.00E+00
9.80E-01	2.73E-01	7.27E-01	2.73E-01	1.00E+00
9.90E-01	2.75E-01	7.25E-01	2.75E-01	1.00E+00
1.00E+00	2.78E-01	7.22E-01	2.78E-01	1.00E+00
1.01E+00	2.80E-01	7.20E-01	2.80E-01	1.00E+00
1.02E+00	2.83E-01	7.17E-01	2.83E-01	1.00E+00
1.03E+00	2.85E-01	7.15E-01	2.85E-01	1.00E+00
1.04E+00	2.88E-01	7.12E-01	2.88E-01	1.00E+00
1.05E+00	2.90E-01	7.10E-01	2.90E-01	1.00E+00
1.06E+00	2.93E-01	7.07E-01	2.93E-01	1.00E+00
1.07E+00	2.95E-01	7.05E-01	2.95E-01	1.00E+00
1.08E+00	2.98E-01	7.02E-01	2.98E-01	1.00E+00
1.09E+00	3.00E-01	7.00E-01	3.00E-01	1.00E+00
1.10E+00	3.03E-01	6.97E-01	3.03E-01	1.00E+00
1.11E+00	3.06E-01	6.94E-01	3.06E-01	1.00E+00
1.12E+00	3.08E-01	6.92E-01	3.08E-01	1.00E+00
1.13E+00	3.11E-01	6.89E-01	3.11E-01	1.00E+00
1.14E+00	3.13E-01	6.87E-01	3.13E-01	1.00E+00
1.15E+00	3.15E-01	6.85E-01	3.15E-01	1.00E+00
1.16E+00	3.18E-01	6.82E-01	3.18E-01	1.00E+00
1.17E+00	3.20E-01	6.80E-01	3.20E-01	1.00E+00
1.18E+00	3.23E-01	6.77E-01	3.23E-01	1.00E+00
1.19E+00	3.25E-01	6.75E-01	3.25E-01	1.00E+00
1.20E+00	3.28E-01	6.72E-01	3.28E-01	1.00E+00
1.21E+00	3.30E-01	6.70E-01	3.30E-01	1.00E+00
1.22E+00	3.33E-01	6.67E-01	3.33E-01	1.00E+00
1.23E+00	3.35E-01	6.65E-01	3.35E-01	1.00E+00
1.24E+00	3.38E-01	6.62E-01	3.38E-01	1.00E+00
1.25E+00	3.40E-01	6.60E-01	3.40E-01	1.00E+00
1.26E+00	3.43E-01	6.57E-01	3.43E-01	1.00E+00
1.27E+00	3.45E-01	6.55E-01	3.45E-01	1.00E+00
1.28E+00	3.47E-01	6.53E-01	3.47E-01	1.00E+00
1.29E+00	3.50E-01	6.50E-01	3.50E-01	1.00E+00
1.30E+00	3.52E-01	6.48E-01	3.52E-01	1.00E+00
1.31E+00	3.55E-01	6.45E-01	3.55E-01	1.00E+00
1.32E+00	3.57E-01	6.43E-01	3.57E-01	1.00E+00
1.33E+00	3.59E-01	6.41E-01	3.59E-01	1.00E+00
1.34E+00	3.62E-01	6.38E-01	3.62E-01	1.00E+00
1.35E+00	3.64E-01	6.36E-01	3.64E-01	1.00E+00
1.36E+00	3.67E-01	6.33E-01	3.67E-01	1.00E+00
1.37E+00	3.69E-01	6.31E-01	3.69E-01	1.00E+00
1.38E+00	3.71E-01	6.29E-01	3.71E-01	1.00E+00
1.39E+00	3.74E-01	6.26E-01	3.74E-01	1.00E+00
1.40E+00	3.76E-01	6.24E-01	3.76E-01	1.00E+00
1.41E+00	3.79E-01	6.21E-01	3.79E-01	1.00E+00
1.42E+00	3.81E-01	6.19E-01	3.81E-01	1.00E+00
1.43E+00	3.83E-01	6.17E-01	3.83E-01	1.00E+00
1.44E+00	3.86E-01	6.14E-01	3.86E-01	1.00E+00
1.45E+00	3.88E-01	6.12E-01	3.88E-01	1.00E+00
1.46E+00	3.90E-01	6.10E-01	3.90E-01	1.00E+00
1.47E+00	3.93E-01	6.07E-01	3.93E-01	1.00E+00
1.48E+00	3.95E-01	6.05E-01	3.95E-01	1.00E+00
1.49E+00	3.97E-01	6.03E-01	3.97E-01	1.00E+00
1.50E+00	4.00E-01	6.00E-01	4.00E-01	1.00E+00
1.51E+00	4.02E-01	5.98E-01	4.02E-01	1.00E+00
1.52E+00	4.04E-01	5.96E-01	4.04E-01	1.00E+00

1.53E+00	4.07E-01	5.93E-01	4.07E-01	1.00E+00
1.54E+00	4.09E-01	5.91E-01	4.09E-01	1.00E+00
1.55E+00	4.11E-01	5.89E-01	4.11E-01	1.00E+00
1.56E+00	4.14E-01	5.86E-01	4.14E-01	1.00E+00
1.57E+00	4.16E-01	5.84E-01	4.16E-01	1.00E+00
1.58E+00	4.18E-01	5.82E-01	4.18E-01	1.00E+00
1.59E+00	4.20E-01	5.80E-01	4.20E-01	1.00E+00
1.60E+00	4.23E-01	5.77E-01	4.23E-01	1.00E+00
1.61E+00	4.25E-01	5.75E-01	4.25E-01	1.00E+00
1.62E+00	4.27E-01	5.73E-01	4.27E-01	1.00E+00
1.63E+00	4.30E-01	5.70E-01	4.30E-01	1.00E+00
1.64E+00	4.32E-01	5.68E-01	4.32E-01	1.00E+00
1.65E+00	4.34E-01	5.66E-01	4.34E-01	1.00E+00
1.66E+00	4.36E-01	5.64E-01	4.36E-01	1.00E+00
1.67E+00	4.39E-01	5.61E-01	4.39E-01	1.00E+00
1.68E+00	4.41E-01	5.59E-01	4.41E-01	1.00E+00
1.69E+00	4.43E-01	5.57E-01	4.43E-01	1.00E+00
1.70E+00	4.45E-01	5.55E-01	4.45E-01	1.00E+00
1.71E+00	4.48E-01	5.52E-01	4.48E-01	1.00E+00
1.72E+00	4.50E-01	5.50E-01	4.50E-01	1.00E+00
1.73E+00	4.52E-01	5.48E-01	4.52E-01	1.00E+00
1.74E+00	4.54E-01	5.46E-01	4.54E-01	1.00E+00
1.75E+00	4.56E-01	5.44E-01	4.56E-01	1.00E+00
1.76E+00	4.59E-01	5.41E-01	4.59E-01	1.00E+00
1.77E+00	4.61E-01	5.39E-01	4.61E-01	1.00E+00
1.78E+00	4.63E-01	5.37E-01	4.63E-01	1.00E+00
1.79E+00	4.65E-01	5.35E-01	4.65E-01	1.00E+00
1.80E+00	4.67E-01	5.33E-01	4.67E-01	1.00E+00
1.81E+00	4.70E-01	5.30E-01	4.70E-01	1.00E+00
1.82E+00	4.72E-01	5.28E-01	4.72E-01	1.00E+00
1.83E+00	4.74E-01	5.26E-01	4.74E-01	1.00E+00
1.84E+00	4.76E-01	5.24E-01	4.76E-01	1.00E+00
1.85E+00	4.78E-01	5.22E-01	4.78E-01	1.00E+00
1.86E+00	4.81E-01	5.19E-01	4.81E-01	1.00E+00
1.87E+00	4.83E-01	5.17E-01	4.83E-01	1.00E+00
1.88E+00	4.85E-01	5.15E-01	4.85E-01	1.00E+00
1.89E+00	4.87E-01	5.13E-01	4.87E-01	1.00E+00
1.90E+00	4.89E-01	5.11E-01	4.89E-01	1.00E+00
1.91E+00	4.91E-01	5.09E-01	4.91E-01	1.00E+00
1.92E+00	4.93E-01	5.07E-01	4.93E-01	1.00E+00
1.93E+00	4.96E-01	5.04E-01	4.96E-01	1.00E+00
1.94E+00	4.98E-01	5.02E-01	4.98E-01	1.00E+00
1.95E+00	5.00E-01	5.00E-01	5.00E-01	1.00E+00
1.96E+00	5.02E-01	4.98E-01	5.02E-01	1.00E+00
1.97E+00	5.04E-01	4.96E-01	5.04E-01	1.00E+00
1.98E+00	5.06E-01	4.94E-01	5.06E-01	1.00E+00
1.99E+00	5.08E-01	4.92E-01	5.08E-01	1.00E+00
2.00E+00	5.10E-01	4.90E-01	5.10E-01	1.00E+00
2.01E+00	5.12E-01	4.88E-01	5.12E-01	1.00E+00
2.02E+00	5.15E-01	4.85E-01	5.15E-01	1.00E+00
2.03E+00	5.17E-01	4.83E-01	5.17E-01	1.00E+00
2.04E+00	5.19E-01	4.81E-01	5.19E-01	1.00E+00
2.05E+00	5.21E-01	4.79E-01	5.21E-01	1.00E+00
2.06E+00	5.23E-01	4.77E-01	5.23E-01	1.00E+00
2.07E+00	5.25E-01	4.75E-01	5.25E-01	1.00E+00
2.08E+00	5.27E-01	4.73E-01	5.27E-01	1.00E+00

2.09E+00	5.29E-01	4.71E-01	5.29E-01	1.00E+00
2.10E+00	5.31E-01	4.69E-01	5.31E-01	1.00E+00
2.11E+00	5.33E-01	4.67E-01	5.33E-01	1.00E+00
2.12E+00	5.35E-01	4.65E-01	5.35E-01	1.00E+00
2.13E+00	5.37E-01	4.63E-01	5.37E-01	1.00E+00
2.14E+00	5.39E-01	4.61E-01	5.39E-01	1.00E+00
2.15E+00	5.41E-01	4.59E-01	5.41E-01	1.00E+00
2.16E+00	5.43E-01	4.57E-01	5.43E-01	1.00E+00
2.17E+00	5.45E-01	4.55E-01	5.45E-01	1.00E+00
2.18E+00	5.47E-01	4.53E-01	5.47E-01	1.00E+00
2.19E+00	5.49E-01	4.51E-01	5.49E-01	1.00E+00
2.20E+00	5.52E-01	4.48E-01	5.52E-01	1.00E+00
2.21E+00	5.54E-01	4.46E-01	5.54E-01	1.00E+00
2.22E+00	5.56E-01	4.44E-01	5.56E-01	1.00E+00
2.23E+00	5.58E-01	4.42E-01	5.58E-01	1.00E+00
2.24E+00	5.60E-01	4.40E-01	5.60E-01	1.00E+00
2.25E+00	5.62E-01	4.38E-01	5.62E-01	1.00E+00
2.26E+00	5.63E-01	4.37E-01	5.63E-01	1.00E+00
2.27E+00	5.65E-01	4.35E-01	5.65E-01	1.00E+00
2.28E+00	5.67E-01	4.33E-01	5.67E-01	1.00E+00
2.29E+00	5.69E-01	4.31E-01	5.69E-01	1.00E+00
2.30E+00	5.71E-01	4.29E-01	5.71E-01	1.00E+00
2.31E+00	5.73E-01	4.27E-01	5.73E-01	1.00E+00
2.32E+00	5.75E-01	4.25E-01	5.75E-01	1.00E+00
2.33E+00	5.77E-01	4.23E-01	5.77E-01	1.00E+00
2.34E+00	5.79E-01	4.21E-01	5.79E-01	1.00E+00
2.35E+00	5.81E-01	4.19E-01	5.81E-01	1.00E+00
2.36E+00	5.83E-01	4.17E-01	5.83E-01	1.00E+00
2.37E+00	5.85E-01	4.15E-01	5.85E-01	1.00E+00
2.38E+00	5.87E-01	4.13E-01	5.87E-01	1.00E+00
2.39E+00	5.89E-01	4.11E-01	5.89E-01	1.00E+00
2.40E+00	5.91E-01	4.09E-01	5.91E-01	1.00E+00
2.41E+00	5.93E-01	4.07E-01	5.93E-01	1.00E+00
2.42E+00	5.95E-01	4.05E-01	5.95E-01	1.00E+00
2.43E+00	5.97E-01	4.03E-01	5.97E-01	1.00E+00
2.44E+00	5.98E-01	4.02E-01	5.98E-01	1.00E+00
2.45E+00	6.00E-01	4.00E-01	6.00E-01	1.00E+00
2.46E+00	6.02E-01	3.98E-01	6.02E-01	1.00E+00
2.47E+00	6.04E-01	3.96E-01	6.04E-01	1.00E+00
2.48E+00	6.06E-01	3.94E-01	6.06E-01	1.00E+00
2.49E+00	6.08E-01	3.92E-01	6.08E-01	1.00E+00
2.50E+00	6.10E-01	3.90E-01	6.10E-01	1.00E+00
2.51E+00	6.12E-01	3.88E-01	6.12E-01	1.00E+00
2.52E+00	6.14E-01	3.86E-01	6.14E-01	1.00E+00
2.53E+00	6.15E-01	3.85E-01	6.15E-01	1.00E+00
2.54E+00	6.17E-01	3.83E-01	6.17E-01	1.00E+00
2.55E+00	6.19E-01	3.81E-01	6.19E-01	1.00E+00
2.56E+00	6.21E-01	3.79E-01	6.21E-01	1.00E+00
2.57E+00	6.23E-01	3.77E-01	6.23E-01	1.00E+00
2.58E+00	6.25E-01	3.75E-01	6.25E-01	1.00E+00
2.59E+00	6.27E-01	3.73E-01	6.27E-01	1.00E+00
2.60E+00	6.28E-01	3.72E-01	6.28E-01	1.00E+00
2.61E+00	6.30E-01	3.70E-01	6.30E-01	1.00E+00
2.62E+00	6.32E-01	3.68E-01	6.32E-01	1.00E+00
2.63E+00	6.34E-01	3.66E-01	6.34E-01	1.00E+00
2.64E+00	6.36E-01	3.64E-01	6.36E-01	1.00E+00

2.65E+00	6.37E-01	3.63E-01	6.37E-01	1.00E+00
2.66E+00	6.39E-01	3.61E-01	6.39E-01	1.00E+00
2.67E+00	6.41E-01	3.59E-01	6.41E-01	1.00E+00
2.68E+00	6.43E-01	3.57E-01	6.43E-01	1.00E+00
2.69E+00	6.45E-01	3.55E-01	6.45E-01	1.00E+00
2.70E+00	6.46E-01	3.54E-01	6.46E-01	1.00E+00
2.71E+00	6.48E-01	3.52E-01	6.48E-01	1.00E+00
2.72E+00	6.50E-01	3.50E-01	6.50E-01	1.00E+00
2.73E+00	6.52E-01	3.48E-01	6.52E-01	1.00E+00
2.74E+00	6.54E-01	3.46E-01	6.54E-01	1.00E+00
2.75E+00	6.55E-01	3.45E-01	6.55E-01	1.00E+00
2.76E+00	6.57E-01	3.43E-01	6.57E-01	1.00E+00
2.77E+00	6.59E-01	3.41E-01	6.59E-01	1.00E+00
2.78E+00	6.61E-01	3.39E-01	6.61E-01	1.00E+00
2.79E+00	6.62E-01	3.38E-01	6.62E-01	1.00E+00
2.80E+00	6.64E-01	3.36E-01	6.64E-01	1.00E+00
2.81E+00	6.66E-01	3.34E-01	6.66E-01	1.00E+00
2.82E+00	6.68E-01	3.32E-01	6.68E-01	1.00E+00
2.83E+00	6.69E-01	3.31E-01	6.69E-01	1.00E+00
2.84E+00	6.71E-01	3.29E-01	6.71E-01	1.00E+00
2.85E+00	6.73E-01	3.27E-01	6.73E-01	1.00E+00
2.86E+00	6.74E-01	3.26E-01	6.74E-01	1.00E+00
2.87E+00	6.76E-01	3.24E-01	6.76E-01	1.00E+00
2.88E+00	6.78E-01	3.22E-01	6.78E-01	1.00E+00
2.89E+00	6.80E-01	3.20E-01	6.80E-01	1.00E+00
2.90E+00	6.81E-01	3.19E-01	6.81E-01	1.00E+00
2.91E+00	6.83E-01	3.17E-01	6.83E-01	1.00E+00
2.92E+00	6.85E-01	3.15E-01	6.85E-01	1.00E+00
2.93E+00	6.86E-01	3.14E-01	6.86E-01	1.00E+00
2.94E+00	6.88E-01	3.12E-01	6.88E-01	1.00E+00
2.95E+00	6.90E-01	3.10E-01	6.90E-01	1.00E+00
2.96E+00	6.91E-01	3.09E-01	6.91E-01	1.00E+00
2.97E+00	6.93E-01	3.07E-01	6.93E-01	1.00E+00
2.98E+00	6.95E-01	3.05E-01	6.95E-01	1.00E+00
2.99E+00	6.96E-01	3.04E-01	6.96E-01	1.00E+00
3.00E+00	6.98E-01	3.02E-01	6.98E-01	1.00E+00
3.01E+00	7.00E-01	3.00E-01	7.00E-01	1.00E+00
3.02E+00	7.01E-01	2.99E-01	7.01E-01	1.00E+00
3.03E+00	7.03E-01	2.97E-01	7.03E-01	1.00E+00
3.04E+00	7.05E-01	2.95E-01	7.05E-01	1.00E+00
3.05E+00	7.06E-01	2.94E-01	7.06E-01	1.00E+00
3.06E+00	7.08E-01	2.92E-01	7.08E-01	1.00E+00
3.07E+00	7.09E-01	2.91E-01	7.09E-01	1.00E+00
3.08E+00	7.11E-01	2.89E-01	7.11E-01	1.00E+00
3.09E+00	7.13E-01	2.87E-01	7.13E-01	1.00E+00
3.10E+00	7.14E-01	2.86E-01	7.14E-01	1.00E+00
3.11E+00	7.16E-01	2.84E-01	7.16E-01	1.00E+00
3.12E+00	7.17E-01	2.83E-01	7.17E-01	1.00E+00
3.13E+00	7.19E-01	2.81E-01	7.19E-01	1.00E+00
3.14E+00	7.21E-01	2.79E-01	7.21E-01	1.00E+00
3.15E+00	7.22E-01	2.78E-01	7.22E-01	1.00E+00
3.16E+00	7.24E-01	2.76E-01	7.24E-01	1.00E+00
3.17E+00	7.25E-01	2.75E-01	7.25E-01	1.00E+00
3.18E+00	7.27E-01	2.73E-01	7.27E-01	1.00E+00
3.19E+00	7.29E-01	2.71E-01	7.29E-01	1.00E+00
3.20E+00	7.30E-01	2.70E-01	7.30E-01	1.00E+00

3.21E+00	7.32E-01	2.68E-01	7.32E-01	1.00E+00
3.22E+00	7.33E-01	2.67E-01	7.33E-01	1.00E+00
3.23E+00	7.35E-01	2.65E-01	7.35E-01	1.00E+00
3.24E+00	7.36E-01	2.64E-01	7.36E-01	1.00E+00
3.25E+00	7.38E-01	2.62E-01	7.38E-01	1.00E+00
3.26E+00	7.39E-01	2.61E-01	7.39E-01	1.00E+00
3.27E+00	7.41E-01	2.59E-01	7.41E-01	1.00E+00
3.28E+00	7.42E-01	2.58E-01	7.42E-01	1.00E+00
3.29E+00	7.44E-01	2.56E-01	7.44E-01	1.00E+00
3.30E+00	7.45E-01	2.55E-01	7.45E-01	1.00E+00
3.31E+00	7.47E-01	2.53E-01	7.47E-01	1.00E+00
3.32E+00	7.49E-01	2.51E-01	7.49E-01	1.00E+00
3.33E+00	7.50E-01	2.50E-01	7.50E-01	1.00E+00
3.34E+00	7.52E-01	2.48E-01	7.52E-01	1.00E+00
3.35E+00	7.53E-01	2.47E-01	7.53E-01	1.00E+00
3.36E+00	7.55E-01	2.45E-01	7.55E-01	1.00E+00
3.37E+00	7.56E-01	2.44E-01	7.56E-01	1.00E+00
3.38E+00	7.57E-01	2.43E-01	7.57E-01	1.00E+00
3.39E+00	7.59E-01	2.41E-01	7.59E-01	1.00E+00
3.40E+00	7.60E-01	2.40E-01	7.60E-01	1.00E+00
3.41E+00	7.62E-01	2.38E-01	7.62E-01	1.00E+00
3.42E+00	7.63E-01	2.37E-01	7.63E-01	1.00E+00
3.43E+00	7.65E-01	2.35E-01	7.65E-01	1.00E+00
3.44E+00	7.66E-01	2.34E-01	7.66E-01	1.00E+00
3.45E+00	7.68E-01	2.32E-01	7.68E-01	1.00E+00
3.46E+00	7.69E-01	2.31E-01	7.69E-01	1.00E+00
3.47E+00	7.71E-01	2.29E-01	7.71E-01	1.00E+00
3.48E+00	7.72E-01	2.28E-01	7.72E-01	1.00E+00
3.49E+00	7.73E-01	2.27E-01	7.73E-01	1.00E+00
3.50E+00	7.75E-01	2.25E-01	7.75E-01	1.00E+00
3.51E+00	7.76E-01	2.24E-01	7.76E-01	1.00E+00
3.52E+00	7.78E-01	2.22E-01	7.78E-01	1.00E+00
3.53E+00	7.79E-01	2.21E-01	7.79E-01	1.00E+00
3.54E+00	7.81E-01	2.19E-01	7.81E-01	1.00E+00
3.55E+00	7.82E-01	2.18E-01	7.82E-01	1.00E+00
3.56E+00	7.83E-01	2.17E-01	7.83E-01	1.00E+00
3.57E+00	7.85E-01	2.15E-01	7.85E-01	1.00E+00
3.58E+00	7.86E-01	2.14E-01	7.86E-01	1.00E+00
3.59E+00	7.88E-01	2.12E-01	7.88E-01	1.00E+00
3.60E+00	7.89E-01	2.11E-01	7.89E-01	1.00E+00
3.61E+00	7.90E-01	2.10E-01	7.90E-01	1.00E+00
3.62E+00	7.92E-01	2.08E-01	7.92E-01	1.00E+00
3.63E+00	7.93E-01	2.07E-01	7.93E-01	1.00E+00
3.64E+00	7.94E-01	2.06E-01	7.94E-01	1.00E+00
3.65E+00	7.96E-01	2.04E-01	7.96E-01	1.00E+00
3.66E+00	7.97E-01	2.03E-01	7.97E-01	1.00E+00
3.67E+00	7.98E-01	2.02E-01	7.98E-01	1.00E+00
3.68E+00	8.00E-01	2.00E-01	8.00E-01	1.00E+00
3.69E+00	8.01E-01	1.99E-01	8.01E-01	1.00E+00
3.70E+00	8.03E-01	1.97E-01	8.03E-01	1.00E+00
3.71E+00	8.04E-01	1.96E-01	8.04E-01	1.00E+00
3.72E+00	8.05E-01	1.95E-01	8.05E-01	1.00E+00
3.73E+00	8.07E-01	1.93E-01	8.07E-01	1.00E+00
3.74E+00	8.08E-01	1.92E-01	8.08E-01	1.00E+00
3.75E+00	8.09E-01	1.91E-01	8.09E-01	1.00E+00
3.76E+00	8.10E-01	1.90E-01	8.10E-01	1.00E+00

3.77E+00	8.12E-01	1.88E-01	8.12E-01	1.00E+00
3.78E+00	8.13E-01	1.87E-01	8.13E-01	1.00E+00
3.79E+00	8.14E-01	1.86E-01	8.14E-01	1.00E+00
3.80E+00	8.16E-01	1.84E-01	8.16E-01	1.00E+00
3.81E+00	8.17E-01	1.83E-01	8.17E-01	1.00E+00
3.82E+00	8.18E-01	1.82E-01	8.18E-01	1.00E+00
3.83E+00	8.19E-01	1.81E-01	8.19E-01	1.00E+00
3.84E+00	8.21E-01	1.79E-01	8.21E-01	1.00E+00
3.85E+00	8.22E-01	1.78E-01	8.22E-01	1.00E+00
3.86E+00	8.23E-01	1.77E-01	8.23E-01	1.00E+00
3.87E+00	8.25E-01	1.75E-01	8.25E-01	1.00E+00
3.88E+00	8.26E-01	1.74E-01	8.26E-01	1.00E+00
3.89E+00	8.27E-01	1.73E-01	8.27E-01	1.00E+00
3.90E+00	8.28E-01	1.72E-01	8.28E-01	1.00E+00
3.91E+00	8.30E-01	1.70E-01	8.30E-01	1.00E+00
3.92E+00	8.31E-01	1.69E-01	8.31E-01	1.00E+00
3.93E+00	8.32E-01	1.68E-01	8.32E-01	1.00E+00
3.94E+00	8.33E-01	1.67E-01	8.33E-01	1.00E+00
3.95E+00	8.34E-01	1.66E-01	8.34E-01	1.00E+00
3.96E+00	8.36E-01	1.64E-01	8.36E-01	1.00E+00
3.97E+00	8.37E-01	1.63E-01	8.37E-01	1.00E+00
3.98E+00	8.38E-01	1.62E-01	8.38E-01	1.00E+00
3.99E+00	8.39E-01	1.61E-01	8.39E-01	1.00E+00
4.00E+00	8.41E-01	1.59E-01	8.41E-01	1.00E+00
4.01E+00	8.42E-01	1.58E-01	8.42E-01	1.00E+00
4.02E+00	8.43E-01	1.57E-01	8.43E-01	1.00E+00
4.03E+00	8.44E-01	1.56E-01	8.44E-01	1.00E+00
4.04E+00	8.45E-01	1.55E-01	8.45E-01	1.00E+00
4.05E+00	8.46E-01	1.54E-01	8.46E-01	1.00E+00
4.06E+00	8.48E-01	1.52E-01	8.48E-01	1.00E+00
4.07E+00	8.49E-01	1.51E-01	8.49E-01	1.00E+00
4.08E+00	8.50E-01	1.50E-01	8.50E-01	1.00E+00
4.09E+00	8.51E-01	1.49E-01	8.51E-01	1.00E+00
4.10E+00	8.52E-01	1.48E-01	8.52E-01	1.00E+00
4.11E+00	8.53E-01	1.47E-01	8.53E-01	1.00E+00
4.12E+00	8.55E-01	1.45E-01	8.55E-01	1.00E+00
4.13E+00	8.56E-01	1.44E-01	8.56E-01	1.00E+00
4.14E+00	8.57E-01	1.43E-01	8.57E-01	1.00E+00
4.15E+00	8.58E-01	1.42E-01	8.58E-01	1.00E+00
4.16E+00	8.59E-01	1.41E-01	8.59E-01	1.00E+00
4.17E+00	8.60E-01	1.40E-01	8.60E-01	1.00E+00
4.18E+00	8.61E-01	1.39E-01	8.61E-01	1.00E+00
4.19E+00	8.63E-01	1.37E-01	8.63E-01	1.00E+00
4.20E+00	8.64E-01	1.36E-01	8.64E-01	1.00E+00
4.21E+00	8.65E-01	1.35E-01	8.65E-01	1.00E+00
4.22E+00	8.66E-01	1.34E-01	8.66E-01	1.00E+00
4.23E+00	8.67E-01	1.33E-01	8.67E-01	1.00E+00
4.24E+00	8.68E-01	1.32E-01	8.68E-01	1.00E+00
4.25E+00	8.69E-01	1.31E-01	8.69E-01	1.00E+00
4.26E+00	8.70E-01	1.30E-01	8.70E-01	1.00E+00
4.27E+00	8.71E-01	1.29E-01	8.71E-01	1.00E+00
4.28E+00	8.72E-01	1.28E-01	8.72E-01	1.00E+00
4.29E+00	8.73E-01	1.27E-01	8.73E-01	1.00E+00
4.30E+00	8.75E-01	1.25E-01	8.75E-01	1.00E+00
4.31E+00	8.76E-01	1.24E-01	8.76E-01	1.00E+00
4.32E+00	8.77E-01	1.23E-01	8.77E-01	1.00E+00



4.33E+00	8.78E-01	1.22E-01	8.78E-01	1.00E+00
4.34E+00	8.79E-01	1.21E-01	8.79E-01	1.00E+00
4.35E+00	8.80E-01	1.20E-01	8.80E-01	1.00E+00
4.36E+00	8.81E-01	1.19E-01	8.81E-01	1.00E+00
4.37E+00	8.82E-01	1.18E-01	8.82E-01	1.00E+00
4.38E+00	8.83E-01	1.17E-01	8.83E-01	1.00E+00
4.39E+00	8.84E-01	1.16E-01	8.84E-01	1.00E+00
4.40E+00	8.85E-01	1.15E-01	8.85E-01	1.00E+00
4.41E+00	8.86E-01	1.14E-01	8.86E-01	1.00E+00
4.42E+00	8.87E-01	1.13E-01	8.87E-01	1.00E+00
4.43E+00	8.88E-01	1.12E-01	8.88E-01	1.00E+00
4.44E+00	8.89E-01	1.11E-01	8.89E-01	1.00E+00
4.45E+00	8.90E-01	1.10E-01	8.90E-01	1.00E+00
4.46E+00	8.91E-01	1.09E-01	8.91E-01	1.00E+00
4.47E+00	8.92E-01	1.08E-01	8.92E-01	1.00E+00
4.48E+00	8.93E-01	1.07E-01	8.93E-01	1.00E+00
4.49E+00	8.94E-01	1.06E-01	8.94E-01	1.00E+00
4.50E+00	8.95E-01	1.05E-01	8.95E-01	1.00E+00
4.51E+00	8.96E-01	1.04E-01	8.96E-01	1.00E+00
4.52E+00	8.97E-01	1.03E-01	8.97E-01	1.00E+00
4.53E+00	8.98E-01	1.02E-01	8.98E-01	1.00E+00
4.54E+00	8.99E-01	1.01E-01	8.99E-01	1.00E+00
4.55E+00	9.00E-01	1.00E-01	9.00E-01	1.00E+00
4.56E+00	9.01E-01	9.93E-02	9.01E-01	1.00E+00
4.57E+00	9.02E-01	9.84E-02	9.02E-01	1.00E+00
4.58E+00	9.03E-01	9.74E-02	9.03E-01	1.00E+00
4.59E+00	9.04E-01	9.65E-02	9.04E-01	1.00E+00
4.60E+00	9.04E-01	9.56E-02	9.04E-01	1.00E+00
4.61E+00	9.05E-01	9.46E-02	9.05E-01	1.00E+00
4.62E+00	9.06E-01	9.37E-02	9.06E-01	1.00E+00
4.63E+00	9.07E-01	9.28E-02	9.07E-01	1.00E+00
4.64E+00	9.08E-01	9.19E-02	9.08E-01	1.00E+00
4.65E+00	9.09E-01	9.10E-02	9.09E-01	1.00E+00
4.66E+00	9.10E-01	9.01E-02	9.10E-01	1.00E+00
4.67E+00	9.11E-01	8.92E-02	9.11E-01	1.00E+00
4.68E+00	9.12E-01	8.83E-02	9.12E-01	1.00E+00
4.69E+00	9.13E-01	8.74E-02	9.13E-01	1.00E+00
4.70E+00	9.14E-01	8.65E-02	9.14E-01	1.00E+00
4.71E+00	9.14E-01	8.56E-02	9.14E-01	1.00E+00
4.72E+00	9.15E-01	8.47E-02	9.15E-01	1.00E+00
4.73E+00	9.16E-01	8.39E-02	9.16E-01	1.00E+00
4.74E+00	9.17E-01	8.30E-02	9.17E-01	1.00E+00
4.75E+00	9.18E-01	8.21E-02	9.18E-01	1.00E+00
4.76E+00	9.19E-01	8.13E-02	9.19E-01	1.00E+00
4.77E+00	9.20E-01	8.04E-02	9.20E-01	1.00E+00
4.78E+00	9.20E-01	7.96E-02	9.20E-01	1.00E+00
4.79E+00	9.21E-01	7.87E-02	9.21E-01	1.00E+00
4.80E+00	9.22E-01	7.79E-02	9.22E-01	1.00E+00
4.81E+00	9.23E-01	7.70E-02	9.23E-01	1.00E+00
4.82E+00	9.24E-01	7.62E-02	9.24E-01	1.00E+00
4.83E+00	9.25E-01	7.54E-02	9.25E-01	1.00E+00
4.84E+00	9.25E-01	7.45E-02	9.25E-01	1.00E+00
4.85E+00	9.26E-01	7.37E-02	9.26E-01	1.00E+00
4.86E+00	9.27E-01	7.29E-02	9.27E-01	1.00E+00
4.87E+00	9.28E-01	7.21E-02	9.28E-01	1.00E+00
4.88E+00	9.29E-01	7.13E-02	9.29E-01	1.00E+00

4.89E+00	9.30E-01	7.05E-02	9.30E-01	1.00E+00
4.90E+00	9.30E-01	6.97E-02	9.30E-01	1.00E+00
4.91E+00	9.31E-01	6.89E-02	9.31E-01	1.00E+00
4.92E+00	9.32E-01	6.81E-02	9.32E-01	1.00E+00
4.93E+00	9.33E-01	6.73E-02	9.33E-01	1.00E+00
4.94E+00	9.33E-01	6.66E-02	9.33E-01	1.00E+00
4.95E+00	9.34E-01	6.58E-02	9.34E-01	1.00E+00
4.96E+00	9.35E-01	6.50E-02	9.35E-01	1.00E+00
4.97E+00	9.36E-01	6.42E-02	9.36E-01	1.00E+00
4.98E+00	9.37E-01	6.35E-02	9.37E-01	1.00E+00
4.99E+00	9.37E-01	6.27E-02	9.37E-01	1.00E+00
5.00E+00	9.38E-01	6.20E-02	9.38E-01	1.00E+00
5.01E+00	9.39E-01	6.12E-02	9.39E-01	1.00E+00
5.02E+00	9.40E-01	6.05E-02	9.40E-01	1.00E+00
5.03E+00	9.40E-01	5.98E-02	9.40E-01	1.00E+00
5.04E+00	9.41E-01	5.90E-02	9.41E-01	1.00E+00
5.05E+00	9.42E-01	5.83E-02	9.42E-01	1.00E+00
5.06E+00	9.42E-01	5.76E-02	9.42E-01	1.00E+00
5.07E+00	9.43E-01	5.68E-02	9.43E-01	1.00E+00
5.08E+00	9.44E-01	5.61E-02	9.44E-01	1.00E+00
5.09E+00	9.45E-01	5.54E-02	9.45E-01	1.00E+00
5.10E+00	9.45E-01	5.47E-02	9.45E-01	1.00E+00
5.11E+00	9.46E-01	5.40E-02	9.46E-01	1.00E+00
5.12E+00	9.47E-01	5.33E-02	9.47E-01	1.00E+00
5.13E+00	9.47E-01	5.26E-02	9.47E-01	1.00E+00
5.14E+00	9.48E-01	5.19E-02	9.48E-01	1.00E+00
5.15E+00	9.49E-01	5.13E-02	9.49E-01	1.00E+00
5.16E+00	9.49E-01	5.06E-02	9.49E-01	1.00E+00
5.17E+00	9.50E-01	4.99E-02	9.50E-01	1.00E+00
5.18E+00	9.51E-01	4.92E-02	9.51E-01	1.00E+00
5.19E+00	9.51E-01	4.86E-02	9.51E-01	1.00E+00
5.20E+00	9.52E-01	4.79E-02	9.52E-01	1.00E+00
5.21E+00	9.53E-01	4.72E-02	9.53E-01	1.00E+00
5.22E+00	9.53E-01	4.66E-02	9.53E-01	1.00E+00
5.23E+00	9.54E-01	4.59E-02	9.54E-01	1.00E+00
5.24E+00	9.55E-01	4.53E-02	9.55E-01	1.00E+00
5.25E+00	9.55E-01	4.47E-02	9.55E-01	1.00E+00
5.26E+00	9.56E-01	4.40E-02	9.56E-01	1.00E+00
5.27E+00	9.57E-01	4.34E-02	9.57E-01	1.00E+00
5.28E+00	9.57E-01	4.28E-02	9.57E-01	1.00E+00
5.29E+00	9.58E-01	4.22E-02	9.58E-01	1.00E+00
5.30E+00	9.58E-01	4.15E-02	9.58E-01	1.00E+00
5.31E+00	9.59E-01	4.09E-02	9.59E-01	1.00E+00
5.32E+00	9.60E-01	4.03E-02	9.60E-01	1.00E+00
5.33E+00	9.60E-01	3.97E-02	9.60E-01	1.00E+00
5.34E+00	9.61E-01	3.91E-02	9.61E-01	1.00E+00
5.35E+00	9.61E-01	3.85E-02	9.61E-01	1.00E+00
5.36E+00	9.62E-01	3.79E-02	9.62E-01	1.00E+00
5.37E+00	9.63E-01	3.74E-02	9.63E-01	1.00E+00
5.38E+00	9.63E-01	3.68E-02	9.63E-01	1.00E+00
5.39E+00	9.64E-01	3.62E-02	9.64E-01	1.00E+00
5.40E+00	9.64E-01	3.56E-02	9.64E-01	1.00E+00
5.41E+00	9.65E-01	3.51E-02	9.65E-01	1.00E+00
5.42E+00	9.66E-01	3.45E-02	9.66E-01	1.00E+00
5.43E+00	9.66E-01	3.39E-02	9.66E-01	1.00E+00
5.44E+00	9.67E-01	3.34E-02	9.67E-01	1.00E+00

5.45E+00	9.67E-01	3.28E-02	9.67E-01	1.00E+00
5.46E+00	9.68E-01	3.23E-02	9.68E-01	1.00E+00
5.47E+00	9.68E-01	3.18E-02	9.68E-01	1.00E+00
5.48E+00	9.69E-01	3.12E-02	9.69E-01	1.00E+00
5.49E+00	9.69E-01	3.07E-02	9.69E-01	1.00E+00
5.50E+00	9.70E-01	3.02E-02	9.70E-01	1.00E+00
5.51E+00	9.70E-01	2.96E-02	9.70E-01	1.00E+00
5.52E+00	9.71E-01	2.91E-02	9.71E-01	1.00E+00
5.53E+00	9.71E-01	2.86E-02	9.71E-01	1.00E+00
5.54E+00	9.72E-01	2.81E-02	9.72E-01	1.00E+00
5.55E+00	9.72E-01	2.76E-02	9.72E-01	1.00E+00
5.56E+00	9.73E-01	2.71E-02	9.73E-01	1.00E+00
5.57E+00	9.73E-01	2.66E-02	9.73E-01	1.00E+00
5.58E+00	9.74E-01	2.61E-02	9.74E-01	1.00E+00
5.59E+00	9.74E-01	2.56E-02	9.74E-01	1.00E+00
5.60E+00	9.75E-01	2.52E-02	9.75E-01	1.00E+00
5.61E+00	9.75E-01	2.47E-02	9.75E-01	1.00E+00
5.62E+00	9.76E-01	2.42E-02	9.76E-01	1.00E+00
5.63E+00	9.76E-01	2.37E-02	9.76E-01	1.00E+00
5.64E+00	9.77E-01	2.33E-02	9.77E-01	1.00E+00
5.65E+00	9.77E-01	2.28E-02	9.77E-01	1.00E+00
5.66E+00	9.78E-01	2.24E-02	9.78E-01	1.00E+00
5.67E+00	9.78E-01	2.19E-02	9.78E-01	1.00E+00
5.68E+00	9.79E-01	2.15E-02	9.79E-01	1.00E+00
5.69E+00	9.79E-01	2.10E-02	9.79E-01	1.00E+00
5.70E+00	9.79E-01	2.06E-02	9.79E-01	1.00E+00
5.71E+00	9.80E-01	2.02E-02	9.80E-01	1.00E+00
5.72E+00	9.80E-01	1.97E-02	9.80E-01	1.00E+00
5.73E+00	9.81E-01	1.93E-02	9.81E-01	1.00E+00
5.74E+00	9.81E-01	1.89E-02	9.81E-01	1.00E+00
5.75E+00	9.82E-01	1.85E-02	9.82E-01	1.00E+00
5.76E+00	9.82E-01	1.81E-02	9.82E-01	1.00E+00
5.77E+00	9.82E-01	1.77E-02	9.82E-01	1.00E+00
5.78E+00	9.83E-01	1.73E-02	9.83E-01	1.00E+00
5.79E+00	9.83E-01	1.69E-02	9.83E-01	1.00E+00
5.80E+00	9.83E-01	1.65E-02	9.83E-01	1.00E+00
5.81E+00	9.84E-01	1.61E-02	9.84E-01	1.00E+00
5.82E+00	9.84E-01	1.57E-02	9.84E-01	1.00E+00
5.83E+00	9.85E-01	1.54E-02	9.85E-01	1.00E+00
5.84E+00	9.85E-01	1.50E-02	9.85E-01	1.00E+00
5.85E+00	9.85E-01	1.46E-02	9.85E-01	1.00E+00
5.86E+00	9.86E-01	1.43E-02	9.86E-01	1.00E+00
5.87E+00	9.86E-01	1.39E-02	9.86E-01	1.00E+00
5.88E+00	9.86E-01	1.35E-02	9.86E-01	1.00E+00
5.89E+00	9.87E-01	1.32E-02	9.87E-01	1.00E+00
5.90E+00	9.87E-01	1.29E-02	9.87E-01	1.00E+00
5.91E+00	9.87E-01	1.25E-02	9.87E-01	1.00E+00
5.92E+00	9.88E-01	1.22E-02	9.88E-01	1.00E+00
5.93E+00	9.88E-01	1.18E-02	9.88E-01	1.00E+00
5.94E+00	9.88E-01	1.15E-02	9.88E-01	1.00E+00
5.95E+00	9.89E-01	1.12E-02	9.89E-01	1.00E+00
5.96E+00	9.89E-01	1.09E-02	9.89E-01	1.00E+00
5.97E+00	9.89E-01	1.06E-02	9.89E-01	1.00E+00
5.98E+00	9.90E-01	1.03E-02	9.90E-01	1.00E+00
5.99E+00	9.90E-01	9.95E-03	9.90E-01	1.00E+00
6.00E+00	9.90E-01	9.66E-03	9.90E-01	1.00E+00

6.01E+00	9.91E-01	9.36E-03	9.91E-01	1.00E+00
6.02E+00	9.91E-01	9.07E-03	9.91E-01	1.00E+00
6.03E+00	9.91E-01	8.78E-03	9.91E-01	1.00E+00
6.04E+00	9.91E-01	8.50E-03	9.91E-01	1.00E+00
6.05E+00	9.92E-01	8.23E-03	9.92E-01	1.00E+00
6.06E+00	9.92E-01	7.95E-03	9.92E-01	1.00E+00
6.07E+00	9.92E-01	7.69E-03	9.92E-01	1.00E+00
6.08E+00	9.93E-01	7.42E-03	9.93E-01	1.00E+00
6.09E+00	9.93E-01	7.17E-03	9.93E-01	1.00E+00
6.10E+00	9.93E-01	6.91E-03	9.93E-01	1.00E+00
6.11E+00	9.93E-01	6.66E-03	9.93E-01	1.00E+00
6.12E+00	9.94E-01	6.42E-03	9.94E-01	1.00E+00
6.13E+00	9.94E-01	6.18E-03	9.94E-01	1.00E+00
6.14E+00	9.94E-01	5.94E-03	9.94E-01	1.00E+00
6.15E+00	9.94E-01	5.71E-03	9.94E-01	1.00E+00
6.16E+00	9.95E-01	5.48E-03	9.95E-01	1.00E+00
6.17E+00	9.95E-01	5.26E-03	9.95E-01	1.00E+00
6.18E+00	9.95E-01	5.04E-03	9.95E-01	1.00E+00
6.19E+00	9.95E-01	4.83E-03	9.95E-01	1.00E+00
6.20E+00	9.95E-01	4.62E-03	9.95E-01	1.00E+00
6.21E+00	9.96E-01	4.42E-03	9.96E-01	1.00E+00
6.22E+00	9.96E-01	4.22E-03	9.96E-01	1.00E+00
6.23E+00	9.96E-01	4.02E-03	9.96E-01	1.00E+00
6.24E+00	9.96E-01	3.83E-03	9.96E-01	1.00E+00
6.25E+00	9.96E-01	3.65E-03	9.96E-01	1.00E+00
6.26E+00	9.97E-01	3.47E-03	9.97E-01	1.00E+00
6.27E+00	9.97E-01	3.29E-03	9.97E-01	1.00E+00
6.28E+00	9.97E-01	3.12E-03	9.97E-01	1.00E+00
6.29E+00	9.97E-01	2.95E-03	9.97E-01	1.00E+00
6.30E+00	9.97E-01	2.79E-03	9.97E-01	1.00E+00
6.31E+00	9.97E-01	2.63E-03	9.97E-01	1.00E+00
6.32E+00	9.98E-01	2.48E-03	9.98E-01	1.00E+00
6.33E+00	9.98E-01	2.33E-03	9.98E-01	1.00E+00
6.34E+00	9.98E-01	2.18E-03	9.98E-01	1.00E+00
6.35E+00	9.98E-01	2.04E-03	9.98E-01	1.00E+00
6.36E+00	9.98E-01	1.91E-03	9.98E-01	1.00E+00
6.37E+00	9.98E-01	1.77E-03	9.98E-01	1.00E+00
6.38E+00	9.98E-01	1.65E-03	9.98E-01	1.00E+00
6.39E+00	9.98E-01	1.53E-03	9.98E-01	1.00E+00
6.40E+00	9.99E-01	1.41E-03	9.99E-01	1.00E+00
6.41E+00	9.99E-01	1.30E-03	9.99E-01	1.00E+00
6.42E+00	9.99E-01	1.19E-03	9.99E-01	1.00E+00
6.43E+00	9.99E-01	1.09E-03	9.99E-01	1.00E+00
6.44E+00	9.99E-01	9.86E-04	9.99E-01	1.00E+00
6.45E+00	9.99E-01	8.92E-04	9.99E-01	1.00E+00
6.46E+00	9.99E-01	8.02E-04	9.99E-01	1.00E+00
6.47E+00	9.99E-01	7.17E-04	9.99E-01	1.00E+00
6.48E+00	9.99E-01	6.37E-04	9.99E-01	1.00E+00
6.49E+00	9.99E-01	5.61E-04	9.99E-01	1.00E+00
6.50E+00	1.00E+00	4.90E-04	1.00E+00	1.00E+00
6.51E+00	1.00E+00	4.24E-04	1.00E+00	1.00E+00
6.52E+00	1.00E+00	3.62E-04	1.00E+00	1.00E+00
6.53E+00	1.00E+00	3.05E-04	1.00E+00	1.00E+00
6.54E+00	1.00E+00	2.53E-04	1.00E+00	1.00E+00
6.55E+00	1.00E+00	2.05E-04	1.00E+00	1.00E+00
6.56E+00	1.00E+00	1.62E-04	1.00E+00	1.00E+00













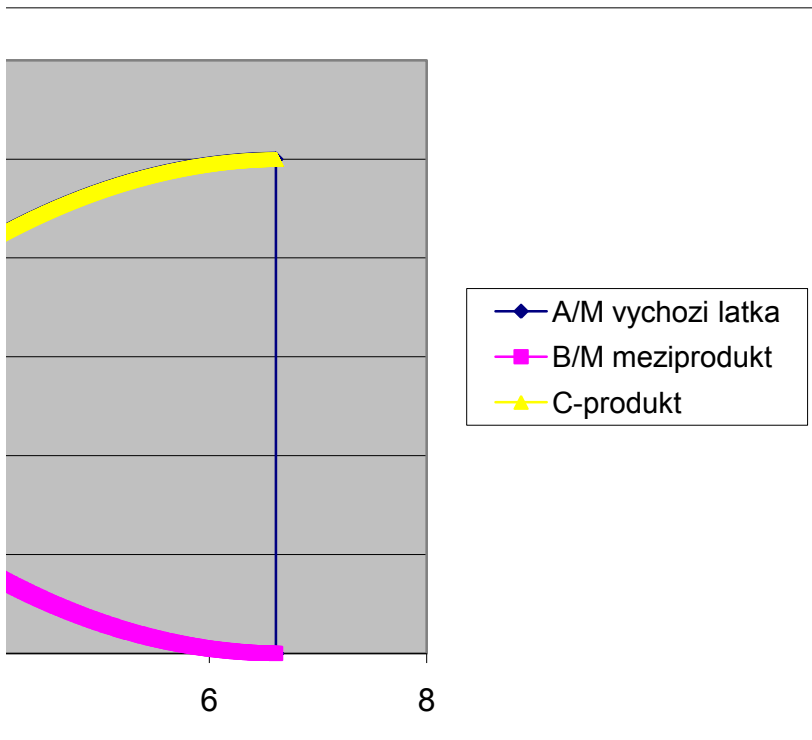




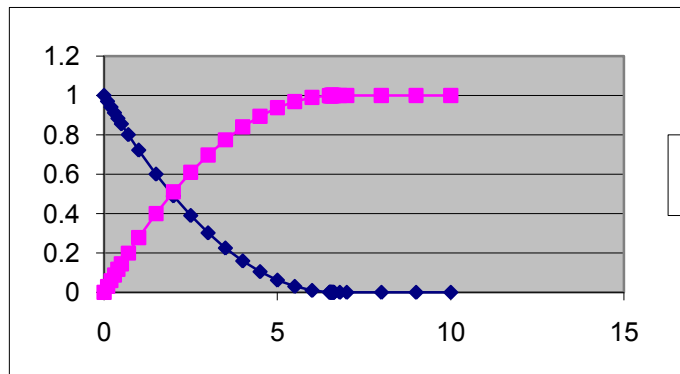


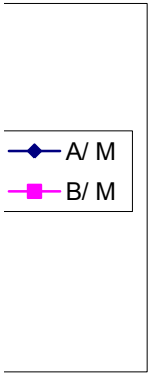
min

$[X]**n$



t/s	A/ M	B/ M
0	1	0
0.1	0.970203	0.029797
0.2	0.940856	0.059144
0.3	0.911959	0.088041
0.4	0.883513	0.116487
0.5	0.855517	0.144483
0.7	0.800876	0.199124
1	0.722293	0.277707
1.5	0.600328	0.399672
2	0.489625	0.510375
2.5	0.390184	0.609816
3	0.302006	0.697994
3.5	0.225094	0.774906
4	0.15945	0.84055
4.5	0.105077	0.894923
5	0.06198	0.93802
5.5	0.030167	0.969833
6	0.009655	0.990345
6.5	0.00049	0.99951
6.51	0.000424	0.999576
6.52	0.000362	0.999638
6.53	0.000305	0.999695
6.54	0.000253	0.999747
6.55	0.000205	0.999795
6.56	0.000162	0.999838
6.57	0.000124	0.999876
6.58	9.04E-05	0.99991
6.59	6.19E-05	0.999938
6.6	3.83E-05	0.999962
6.622	6.96E-06	0.999993
6.629	2.51E-06	0.999997
6.63	2.05E-06	0.999998
6.8	1.39E-07	1
7	3.55E-09	1
8	1.76E-09	1
9	5.03E-10	1
10	0	1





1. sestavení chemických rovnic
2. sestavení rychlostních rovnic (vč. substituce s použitím koncentračního rozsahu)
3. numetické řešení vzhledem k rozsahu.
4. přechod od rozsahu k reaktantům a produktům.
5. kontrola zákonem zachování hmoty
6. grafické řešení