

NONLINEAR BREAKEVEN ANALYSIS

Unit Sales Price	\$10.00
Price Erosion Rate (%) e (%) >	5.00%
Variable Unit Cost	\$5.00
Variable Cost Learning Rate (%)	-3.00%
Total Fixed Costs	\$10000.00

Units Sold	Sales Price	Variable Cost	Sales	Cost of Sales
1	\$10.00	\$5.00	\$10.00	\$5.00
2	\$9.50	\$4.85	\$19.00	\$9.70
4	\$9.03	\$4.70	\$36.10	\$18.82
8	\$8.57	\$4.56	\$68.59	\$36.51
16	\$8.15	\$4.43	\$130.32	\$70.82
32	\$7.74	\$4.29	\$247.61	\$137.40
64	\$7.35	\$4.16	\$470.46	\$266.55
128	\$6.98	\$4.04	\$893.87	\$517.11
256	\$6.63	\$3.92	\$1698.36	\$1003.19
512	\$6.30	\$3.80	\$3226.88	\$1946.19
1024	\$5.99	\$3.69	\$6131.07	\$3775.61
2048	\$5.69	\$3.58	\$11649.03	\$7324.69
4096	\$5.40	\$3.47	\$22133.15	\$14209.89
8192	\$5.13	\$3.37	\$42052.98	\$27567.19
16384	\$4.88	\$3.26	\$79900.67	\$53480.35
32768	\$4.63	\$3.17	\$151811.27	\$103751.87
65536	\$4.40	\$3.07	\$288441.41	\$201278.64
131072	\$4.18	\$2.98	\$548038.69	\$390480.56
262144	\$3.97	\$2.89	\$1041273.50	\$757532.28
524288	\$3.77	\$2.80	\$1978419.70	\$1469612.60
1048576	\$3.58	\$2.72	\$3758997.30	\$2851048.50

2097152	\$3.41	\$2.64	\$7142095.00	\$5531034.10
4194304	\$3.24	\$2.56	\$13569980.00	\$10730206.00
8388608	\$3.07	\$2.48	\$25782963.00	\$20816600.00
16777216	\$2.92	\$2.41	\$48987629.00	\$40384204.00
33554432	\$2.77	\$2.33	\$93076496.00	\$78345355.00
67108864	\$2.64	\$2.26	\$176845340.00	\$151989990.00
134217730	\$2.50	\$2.20	\$336006150.00	\$294860580.00
268435460	\$2.38	\$2.13	\$638411680.00	\$572029520.00
536870910	\$2.26	\$2.07	\$1212982200.00	\$1109737300.00
1073741800	\$2.15	\$2.01	\$2304666200.00	\$2152890300.00
2147483600	\$2.04	\$1.94	\$4378865700.00	\$4176607200.00
4294967300	\$1.94	\$1.89	\$8319844900.00	\$8102618000.00
8589934600	\$1.84	\$1.83	\$15807705000.00	\$15719079000.00
17179869000	\$1.75	\$1.78	\$30034640000.00	\$30495013000.00
34359738000	\$1.66	\$1.72	\$57065816000.00	\$59160325000.00
68719477000	\$1.58	\$1.67	\$108425050000.00	\$114771030000.00
137438950000	\$1.50	\$1.62	\$206007600000.00	\$222655800000.00
274877910000	\$1.42	\$1.57	\$391414430000.00	\$431952250000.00
549755810000	\$1.35	\$1.52	\$743687420000.00	\$837987370000.00
1099511600000	\$1.29	\$1.48	\$1413006100000.00	\$1625695500000.00
2199023300000	\$1.22	\$1.43	\$2684711600000.00	\$3153849300000.00
4398046500000	\$1.16	\$1.39	\$5100952000000.00	\$6118467600000.00
8796093000000	\$1.10	\$1.35	\$9691808900000.00	\$11869827000000.00
1.7592186E+13	\$1.05	\$1.31	\$18414437000000.00	\$23027464000000.00
3.5184372E+13	\$0.99	\$1.27	\$34987430000000.00	\$44673281000000.00
7.0368744E+13	\$0.94	\$1.23	\$66476117000000.00	\$86666165000000.00
1.4073749E+14	\$0.90	\$1.19	\$126304620000000.00	\$168132360000000.00
2.8147498E+14	\$0.85	\$1.16	\$239978780000000.00	\$326176780000000.00
5.6294995E+14	\$0.81	\$1.12	\$455959690000000.00	\$632782950000000.00
1.1258999E+15	\$0.77	\$1.09	\$866323400000000.00	\$1227598900000000.00
2.2517998E+15	\$0.73	\$1.06	\$1646014500000000.00	\$2381541900000000.00
4.5035996E+15	\$0.69	\$1.03	\$3127427500000000.00	\$4620191300000000.00
9.0071993E+15	\$0.66	\$1.00	\$5942112200000000.00	\$8963171200000000.00
1.8014399E+16	\$0.63	\$0.97	\$11290013000000000.00	\$17388552000000000.00
3.6028797E+16	\$0.60	\$0.94	\$21451025000000000.00	\$33733791000000000.00
7.2057594E+16	\$0.57	\$0.91	\$40756948000000000.00	\$65443555000000000.00
1.4411519E+17	\$0.54	\$0.88	\$77438201000000000.00	###
2.8823038E+17	\$0.51	\$0.85	###	###
5.7646075E+17	\$0.48	\$0.83	###	###
1.1529215E+18	\$0.46	\$0.80	###	###

2.305843E+018	\$0.44	\$0.78	###	###
4.611686E+018	\$0.42	\$0.76	###	###
9.223372E+018	\$0.39	\$0.73	###	###
1.8446744E+19	\$0.38	\$0.71	###	###
3.6893488E+19	\$0.36	\$0.69	###	###
7.3786976E+19	\$0.34	\$0.67	###	###
1.4757395E+20	\$0.32	\$0.65	###	###
2.9514791E+20	\$0.31	\$0.63	###	###
5.9029581E+20	\$0.29	\$0.61	###	###
1.1805916E+21	\$0.28	\$0.59	###	###
2.3611832E+21	\$0.26	\$0.58	###	###
4.7223665E+21	\$0.25	\$0.56	###	###
9.444733E+021	\$0.24	\$0.54	###	###
1.8889466E+22	\$0.22	\$0.52	###	###
3.7778932E+22	\$0.21	\$0.51	###	###
7.5557864E+22	\$0.20	\$0.49	###	###
1.5111573E+23	\$0.19	\$0.48	###	###
3.0223145E+23	\$0.18	\$0.46	###	###
6.0446291E+23	\$0.17	\$0.45	###	###
1.2089258E+24	\$0.17	\$0.44	###	###
2.4178516E+24	\$0.16	\$0.42	###	###
4.8357033E+24	\$0.15	\$0.41	###	###
9.6714066E+24	\$0.14	\$0.40	###	###
1.9342813E+25	\$0.13	\$0.39	###	###
3.8685626E+25	\$0.13	\$0.38	###	###
7.7371252E+25	\$0.12	\$0.36	###	###
1.547425E+026	\$0.12	\$0.35	###	###
3.0948501E+26	\$0.11	\$0.34	###	###
6.1897002E+26	\$0.10	\$0.33	###	###
1.23794E+027	\$0.10	\$0.32	###	###
2.4758801E+27	\$0.09	\$0.31	###	###
4.9517602E+27	\$0.09	\$0.30	###	###
9.9035203E+27	\$0.08	\$0.29	###	###
1.9807041E+28	\$0.08	\$0.29	###	###
3.9614081E+28	\$0.08	\$0.28	###	###
7.9228163E+28	\$0.07	\$0.27	###	###
1.5845633E+29	\$0.07	\$0.26	###	###
3.1691265E+29	\$0.07	\$0.25	###	###
6.338253E+029	\$0.06	\$0.25	###	###
1.2676506E+30	\$0.06	\$0.24	###	###

Profit Margin	Fixed Costs	Net Profit	Percent Profit
\$5.00	\$10000.00	-\$9995.00	-99950.00%
\$9.30	\$10000.00	-\$9990.70	-52582.63%
\$17.28	\$10000.00	-\$9982.72	-27652.96%
\$32.08	\$10000.00	-\$9967.92	-14532.61%
\$59.50	\$10000.00	-\$9940.50	-7627.71%
\$110.21	\$10000.00	-\$9889.79	-3994.10%
\$203.91	\$10000.00	-\$9796.09	-2082.24%
\$376.76	\$10000.00	-\$9623.24	-1076.58%
\$695.16	\$10000.00	-\$9304.84	-547.87%
\$1280.69	\$10000.00	-\$8719.31	-270.21%
\$2355.45	\$10000.00	-\$7644.55	-124.69%
\$4324.34	\$10000.00	-\$5675.66	-48.72%
\$7923.26	\$10000.00	-\$2076.74	-9.38%
\$14485.79	\$10000.00	\$4485.79	10.67%
\$26420.32	\$10000.00	\$16420.32	20.55%
\$48059.40	\$10000.00	\$38059.40	25.07%
\$87162.78	\$10000.00	\$77162.78	26.75%
\$157558.13	\$10000.00	\$147558.13	26.92%
\$283741.22	\$10000.00	\$273741.22	26.29%
\$508807.03	\$10000.00	\$498807.03	25.21%
\$907948.86	\$10000.00	\$897948.86	23.89%

\$1611060.90	\$10000.00	\$1601060.90	22.42%
\$2839774.30	\$10000.00	\$2829774.30	20.85%
\$4966363.00	\$10000.00	\$4956363.00	19.22%
\$8603425.70	\$10000.00	\$8593425.70	17.54%
\$14731141.00	\$10000.00	\$14721141.00	15.82%
\$24855353.00	\$10000.00	\$24845353.00	14.05%
\$41145571.00	\$10000.00	\$41135571.00	12.24%
\$66382163.00	\$10000.00	\$66372163.00	10.40%
\$103244930.00	\$10000.00	\$103234930.00	8.51%
\$151775870.00	\$10000.00	\$151765870.00	6.59%
\$202258550.00	\$10000.00	\$202248550.00	4.62%
\$217226950.00	\$10000.00	\$217216950.00	2.61%
\$88626487.00	\$10000.00	\$88616487.00	0.56%
-\$460372830.00	\$10000.00	-\$460382830.00	-1.53%
-\$2094508900.00	\$10000.00	-\$2094518900.00	-3.67%
-\$6345979900.00	\$10000.00	-\$6345989900.00	-5.85%
-\$16648203000.00	\$10000.00	-\$16648213000.00	-8.08%
-\$40537818000.00	\$10000.00	-\$40537828000.00	-10.36%
-\$94299944000.00	\$10000.00	-\$94299954000.00	-12.68%
-\$212689390000.00	\$10000.00	-\$212689400000.00	-15.05%
-\$469137660000.00	\$10000.00	-\$469137670000.00	-17.47%
-\$1017515500000.00	\$10000.00	-\$1017515500000.00	-19.95%
-\$2178018200000.00	\$10000.00	-\$2178018200000.00	-22.47%
-\$4613027600000.00	\$10000.00	-\$4613027600000.00	-25.05%
-\$9685851100000.00	\$10000.00	-\$9685851100000.00	-27.68%
-\$20190048000000.00	\$10000.00	-\$20190048000000.00	-30.37%
-\$41827738000000.00	\$10000.00	-\$41827738000000.00	-33.12%
-\$86197997000000.00	\$10000.00	-\$86197997000000.00	-35.92%
-\$176823270000000.00	\$10000.00	###	-38.78%
-\$361275520000000.00	\$10000.00	###	-41.70%
-\$735527450000000.00	\$10000.00	###	-44.69%
-\$1492763800000000.00	\$10000.00	###	-47.73%
-\$3021058900000000.00	\$10000.00	###	-50.84%
-\$6098538800000000.00	\$10000.00	###	-54.02%
-\$12282766000000000.00	\$10000.00	###	-57.26%
-\$24686607000000000.00	\$10000.00	###	-60.57%
-\$49522295000000000.00	\$10000.00	###	-63.95%
-\$99170781000000000.00	\$10000.00	###	-67.40%
-\$198276620000000000.00	\$10000.00	###	-70.93%
-\$395838710000000000.00	\$10000.00	###	-74.53%

-\$789173050000000000.00	\$10000.00	###	-78.20%
###	\$10000.00	###	-81.95%
###	\$10000.00	###	-85.78%
###	\$10000.00	###	-89.69%
###	\$10000.00	###	-93.69%
###	\$10000.00	###	-97.76%
###	\$10000.00	###	-101.93%
###	\$10000.00	###	-106.18%
###	\$10000.00	###	-110.52%
###	\$10000.00	###	-114.95%
###	\$10000.00	###	-119.48%
###	\$10000.00	###	-124.10%
###	\$10000.00	###	-128.81%
###	\$10000.00	###	-133.63%
###	\$10000.00	###	-138.55%
###	\$10000.00	###	-143.57%
###	\$10000.00	###	-148.70%
###	\$10000.00	###	-153.94%
###	\$10000.00	###	-159.28%
###	\$10000.00	###	-164.74%
###	\$10000.00	###	-170.31%
###	\$10000.00	###	-176.00%
###	\$10000.00	###	-181.82%
###	\$10000.00	###	-187.75%
###	\$10000.00	###	-193.81%
###	\$10000.00	###	-199.99%
###	\$10000.00	###	-206.31%
###	\$10000.00	###	-212.76%
###	\$10000.00	###	-219.34%
###	\$10000.00	###	-226.06%
###	\$10000.00	###	-232.93%
###	\$10000.00	###	-239.94%
###	\$10000.00	###	-247.09%
###	\$10000.00	###	-254.40%
###	\$10000.00	###	-261.86%
###	\$10000.00	###	-269.48%
###	\$10000.00	###	-277.26%
###	\$10000.00	###	-285.20%
###	\$10000.00	###	-293.31%
###	\$10000.00	###	-301.59%