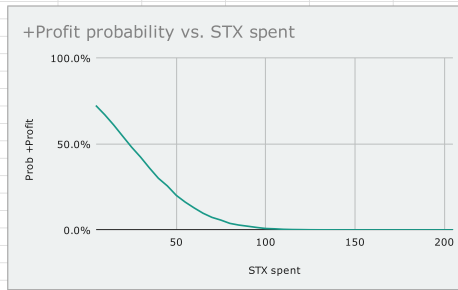


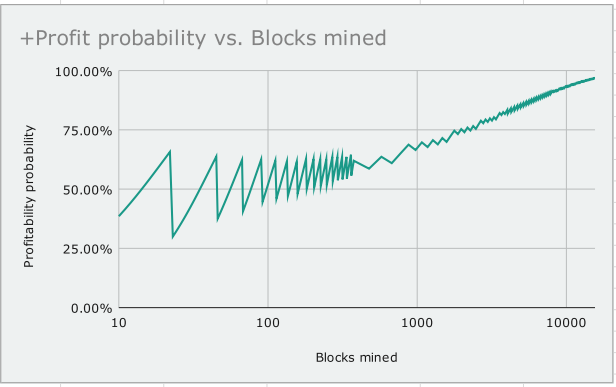
| Commit | Blocks | % Chance | Prob +EV |
|--------|--------|----------|----------|
| 5 | 1996 | 2.4% | 72.3% |
| 10 | 999 | 4.8% | 66.9% |
| 15 | 666 | 7.0% | 61.0% |
| 20 | 499 | 9.1% | 54.5% |
| 25 | 399 | 11.1% | 48.1% |
| 30 | 333 | 13.0% | 42.4% |
| 35 | 285 | 14.9% | 36.0% |
| 40 | 249 | 16.7% | 30.0% |
| 45 | 222 | 18.4% | 25.6% |
| 50 | 199 | 20.0% | 20.1% |
| 55 | 181 | 21.6% | 16.2% |
| 60 | 166 | 23.1% | 12.8% |
| 65 | 153 | 24.5% | 9.7% |
| 70 | 142 | 25.9% | 7.3% |
| 75 | 133 | 27.3% | 5.7% |
| 80 | 124 | 28.6% | 3.8% |
| 85 | 117 | 29.8% | 2.8% |
| 90 | 111 | 31.0% | 2.1% |
| 95 | 105 | 32.2% | 1.4% |
| 100 | 99 | 33.3% | 0.8% |
| 105 | 95 | 34.4% | 0.6% |
| 110 | 90 | 35.5% | 0.3% |
| 115 | 86 | 36.5% | 0.2% |
| 120 | 83 | 37.5% | 0.1% |
| 125 | 79 | 38.5% | 0.1% |
| 130 | 76 | 39.4% | 0.0% |
| 135 | 74 | 40.3% | 0.0% |
| 140 | 71 | 41.2% | 0.0% |
| 145 | 68 | 42.0% | 0.0% |
| 150 | 66 | 42.9% | 0.0% |
| 155 | 64 | 43.7% | 0.0% |
| 160 | 62 | 44.4% | 0.0% |
| 165 | 60 | 45.2% | 0.0% |
| 170 | 58 | 45.9% | 0.0% |
| 175 | 57 | 46.7% | 0.0% |
| 180 | 55 | 47.4% | 0.0% |
| 185 | 54 | 48.1% | 0.0% |
| 190 | 52 | 48.7% | 0.0% |
| 195 | 51 | 49.4% | 0.0% |
| 200 | 49 | 50.0% | 0.0% |
| 205 | 48 | 50.6% | 0.0% |



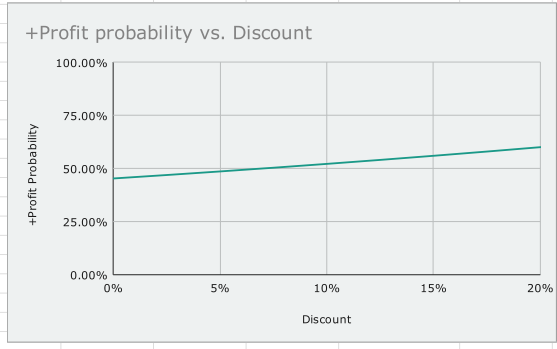
Feel free to change the yellow cells

| Parameter | Description |
|------------------------|--|
| Existing commit | 200 How many STX are already committed to a block? |
| Blocks mined per block | 150 |
| TX fee | 1.5 TX fee (in STX) when for each 'mine-many' tx |
| STX spend | 10,000 How much STX do you want to spend in total on mining? |
| MIA price | 0.0034 |
| STX Price | 1.5 |
| MIA reward | 100,000 |
| TX fee (per block) | 0.01 |
| Min success | 45 Number of winning blocks required to cover costs |
| Reward (STX) | 226.6666667 Block reward value (in STX) |
| Discount | 11.76% Miner discount |

| Blocks mined | Cost | Minimum winning blocks | Likelyhood of profitability | | Block reward (STX) | 225 | | | |
|--------------|------|------------------------|-----------------------------|--|--------------------|--------|--------------------------------|--|--|
| | | | | | Existing commit | 200 | | | |
| 10 | 100 | 1 | 39% | | Commit size | 10 | How much STX to mine per block | | |
| 11 | 110 | 1 | 42% | | % Chance | 5% | | | |
| 12 | 120 | 1 | 44% | | Discount | 11.09% | | | |
| 13 | 130 | 1 | 47% | | | | | | |
| 14 | 140 | 1 | 49% | | | | | | |
| 15 | 150 | 1 | 52% | | | | | | |
| 16 | 160 | 1 | 54% | | | | | | |
| 17 | 170 | 1 | 56% | | | | | | |
| 18 | 180 | 1 | 58% | | | | | | |
| 19 | 190 | 1 | 60% | | | | | | |
| 20 | 200 | 1 | 62% | | | | | | |
| 21 | 210 | 1 | 64% | | | | | | |
| 22 | 220 | 1 | 66% | | | | | | |
| 23 | 230 | 2 | 30% | | | | | | |
| 24 | 240 | 2 | 32% | | | | | | |
| 25 | 250 | 2 | 34% | | | | | | |
| 26 | 260 | 2 | 35% | | | | | | |
| 27 | 270 | 2 | 37% | | | | | | |
| 28 | 280 | 2 | 39% | | | | | | |
| 29 | 290 | 2 | 40% | | | | | | |
| 30 | 300 | 2 | 42% | | | | | | |
| 31 | 310 | 2 | 44% | | | | | | |
| 32 | 320 | 2 | 45% | | | | | | |
| 33 | 330 | 2 | 47% | | | | | | |
| 34 | 340 | 2 | 49% | | | | | | |
| 35 | 350 | 2 | 50% | | | | | | |
| 36 | 360 | 2 | 52% | | | | | | |
| 37 | 370 | 2 | 53% | | | | | | |
| 38 | 380 | 2 | 55% | | | | | | |
| 39 | 390 | 2 | 56% | | | | | | |
| 40 | 400 | 2 | 57% | | | | | | |
| 41 | 410 | 2 | 59% | | | | | | |
| 42 | 420 | 2 | 60% | | | | | | |
| 43 | 430 | 2 | 61% | | | | | | |
| 44 | 440 | 2 | 63% | | | | | | |
| 45 | 450 | 2 | 64% | | | | | | |
| 46 | 460 | 3 | 38% | | | | | | |
| 47 | 470 | 3 | 39% | | | | | | |
| 48 | 480 | 3 | 40% | | | | | | |
| 49 | 490 | 3 | 41% | | | | | | |
| 50 | 500 | 3 | 43% | | | | | | |
| 51 | 510 | 3 | 44% | | | | | | |
| 52 | 520 | 3 | 45% | | | | | | |
| 53 | 530 | 3 | 47% | | | | | | |
| 54 | 540 | 3 | 48% | | | | | | |
| 55 | 550 | 3 | 49% | | | | | | |
| 56 | 560 | 3 | 50% | | | | | | |
| 57 | 570 | 3 | 51% | | | | | | |
| 58 | 580 | 3 | 53% | | | | | | |
| 59 | 590 | 3 | 54% | | | | | | |
| 60 | 600 | 3 | 55% | | | | | | |
| 61 | 610 | 3 | 56% | | | | | | |
| 62 | 620 | 3 | 57% | | | | | | |
| 63 | 630 | 3 | 58% | | | | | | |
| 64 | 640 | 3 | 59% | | | | | | |
| 65 | 650 | 3 | 60% | | | | | | |
| 66 | 660 | 3 | 61% | | | | | | |
| 67 | 670 | 3 | 62% | | | | | | |
| 68 | 680 | 4 | 41% | | | | | | |
| 69 | 690 | 4 | 42% | | | | | | |
| 70 | 700 | 4 | 43% | | | | | | |
| 71 | 710 | 4 | 44% | | | | | | |
| 72 | 720 | 4 | 45% | | | | | | |
| 73 | 730 | 4 | 46% | | | | | | |
| 74 | 740 | 4 | 47% | | | | | | |
| 75 | 750 | 4 | 48% | | | | | | |
| 76 | 760 | 4 | 49% | | | | | | |
| 78 | 780 | 4 | 51% | | | | | | |
| 80 | 800 | 4 | 53% | | | | | | |
| 82 | 820 | 4 | 55% | | | | | | |
| 84 | 840 | 4 | 57% | | | | | | |
| 86 | 860 | 4 | 59% | | | | | | |
| 88 | 880 | 4 | 61% | | | | | | |
| 90 | 900 | 4 | 63% | | | | | | |
| 92 | 920 | 5 | 45% | | | | | | |
| 94 | 940 | 5 | 47% | | | | | | |
| 96 | 960 | 5 | 48% | | | | | | |
| 98 | 980 | 5 | 50% | | | | | | |
| 100 | 1000 | 5 | 52% | | | | | | |
| 102 | 1020 | 5 | 54% | | | | | | |
| 104 | 1040 | 5 | 56% | | | | | | |
| 106 | 1060 | 5 | 57% | | | | | | |



| Existing commi | Discount | % Chance | EV | Prob +EV (legacy) | Block reward (STX) | 2000 | | |
|----------------|----------|----------|---------|-------------------|--------------------|------|---|--|
| 800 | 60% | 1.23% | 146.91% | 94.63% | Commit size | 10 | How much STX to mine per block | |
| 850 | 58% | 1.16% | 132.56% | 93.03% | Spend | 5000 | Total STX spend on mining | |
| 900 | 55% | 1.10% | 119.78% | 91.25% | Blocks mined | 500 | | |
| 950 | 53% | 1.04% | 108.33% | 89.31% | Min successes | 2.5 | Number of winning blocks to cover costs | |
| 1000 | 50% | 0.99% | 98.02% | 87.24% | | | | |
| 1050 | 48% | 0.94% | 88.68% | 85.07% | | | | |
| 1100 | 45% | 0.90% | 80.18% | 82.82% | | | | |
| 1150 | 43% | 0.86% | 72.41% | 80.52% | | | | |
| 1200 | 40% | 0.83% | 65.29% | 78.18% | | | | |
| 1250 | 38% | 0.79% | 58.73% | 75.84% | | | | |
| 1300 | 35% | 0.76% | 52.67% | 73.49% | | | | |
| 1350 | 33% | 0.74% | 47.06% | 71.16% | | | | |
| 1400 | 30% | 0.71% | 41.84% | 68.86% | | | | |
| 1450 | 28% | 0.68% | 36.99% | 66.59% | | | | |
| 1500 | 25% | 0.66% | 32.45% | 64.37% | | | | |
| 1550 | 23% | 0.64% | 28.21% | 62.20% | | | | |
| 1600 | 20% | 0.62% | 24.22% | 60.08% | | | | |
| 1650 | 18% | 0.60% | 20.48% | 58.02% | | | | |
| 1700 | 15% | 0.58% | 16.96% | 56.02% | | | | |
| 1750 | 13% | 0.57% | 13.64% | 54.08% | | | | |
| 1800 | 10% | 0.55% | 10.50% | 52.21% | | | | |
| 1850 | 8% | 0.54% | 7.53% | 50.39% | | | | |
| 1900 | 5% | 0.52% | 4.71% | 48.64% | | | | |
| 1950 | 3% | 0.51% | 2.04% | 46.96% | | | | |
| 2000 | 0% | 0.50% | -0.50% | 45.33% | | | | |
| 2050 | -2% | 0.49% | -2.91% | 43.76% | | | | |
| 2100 | -5% | 0.47% | -5.21% | 42.26% | | | | |
| 2150 | -8% | 0.46% | -7.41% | 40.81% | | | | |
| 2200 | -10% | 0.45% | -9.50% | 39.41% | | | | |
| 2250 | -13% | 0.44% | -11.50% | 38.07% | | | | |



| Blocks won | Likelihood | Blocks mined | 1000 | Number of blocks mined |
|------------|------------|--------------|------|---|
| 50 | 0.00% | % Chance | 10% | Percentage chance of winning each block |
| 52 | 0.00% | | | |
| 54 | 0.00% | | | |
| 56 | 0.00% | | | |
| 58 | 0.00% | | | |
| 60 | 0.00% | | | |
| 62 | 0.00% | | | |
| 64 | 0.00% | | | |
| 66 | 0.00% | | | |
| 68 | 0.01% | | | |
| 70 | 0.02% | | | |
| 72 | 0.04% | | | |
| 74 | 0.08% | | | |
| 76 | 0.15% | | | |
| 78 | 0.26% | | | |
| 80 | 0.43% | | | |
| 82 | 0.68% | | | |
| 84 | 1.02% | | | |
| 86 | 1.44% | | | |
| 88 | 1.94% | | | |
| 90 | 2.48% | | | |
| 92 | 3.03% | | | |
| 94 | 3.52% | | | |
| 96 | 3.91% | | | |
| 98 | 4.15% | | | |
| 100 | 4.20% | | | |
| 102 | 4.07% | | | |
| 104 | 3.78% | | | |
| 106 | 3.36% | | | |
| 108 | 2.87% | | | |
| 110 | 2.35% | | | |
| 112 | 1.84% | | | |
| 114 | 1.39% | | | |
| 116 | 1.01% | | | |
| 118 | 0.71% | | | |
| 120 | 0.47% | | | |
| 122 | 0.31% | | | |
| 124 | 0.19% | | | |
| 126 | 0.11% | | | |
| 128 | 0.07% | | | |
| 130 | 0.04% | | | |
| 132 | 0.02% | | | |
| 134 | 0.01% | | | |
| 136 | 0.01% | | | |
| 138 | 0.00% | | | |
| 140 | 0.00% | | | |
| 142 | 0.00% | | | |
| 144 | 0.00% | | | |
| 146 | 0.00% | | | |
| 148 | 0.00% | | | |
| 150 | 0.00% | | | |

