

2	20	19	Yes	0.88008
3	20	11	Yes	0.808673
3	20	12	Yes	0.830271
3	20	13	Yes	0.849645
3	20	14	Yes	0.866643
3	20	15	Yes	0.882533
3	20	16	Yes	0.894207
3	20	17	Yes	0.902784
3	20	18	Yes	0.909086
3	20	19	Yes	0.913715
4	20	8	Yes	0.860706
4	20	9	Yes	0.875833
4	20	10	Yes	0.890296
4	20	11	Yes	0.903161
4	20	12	Yes	0.914042
4	20	13	Yes	0.922894
4	20	14	Yes	0.929914
4	20	15	Yes	0.93482
4	20	16	Yes	0.93791
4	20	17	Yes	0.939856
4	20	18	Yes	0.941081
4	20	19	Yes	0.941852
5	20	6	Yes	0.910718
5	20	7	Yes	0.920689
5	20	8	Yes	0.929521
5	20	9	Yes	0.93719
5	20	10	Yes	0.944051
5	20	11	Yes	0.949799
5	20	12	Yes	0.954385
5	20	13	Yes	0.957904
5	20	14	Yes	0.960518
5	20	15	Yes	0.962031
5	20	16	Yes	0.962849
5	20	17	Yes	0.96329
5	20	18	Yes	0.963529
5	20	19	Yes	0.963657

2. The total expected profit is: \$251.454 because we take the probability of winning at 5 0 0 (0.502908) and multiply it by 500  
Therefore, I am willing to pay anything less than \$251.454