1)

1. M = 1

**N365**

1. M = 100

**N765**

1. M = 10000

**N1165**

2)

N=100

N=10000

3)

N ≥

Initial N = 1000

N ≥

N = 111722

N ≥

N = 177263

N ≥

N = 183678

N ≥

N = 184172

N ≥

N = 184210

**N≈184210**

4)

