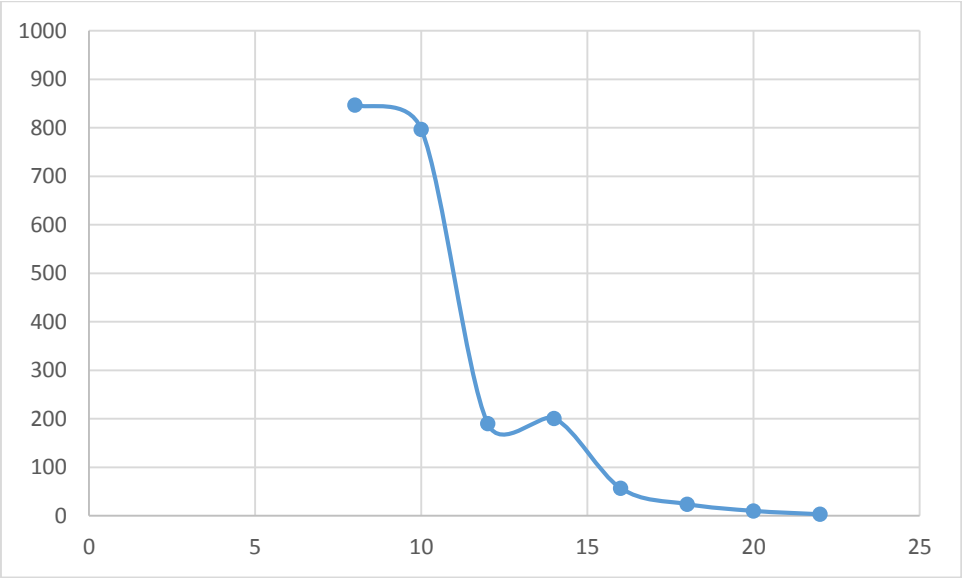


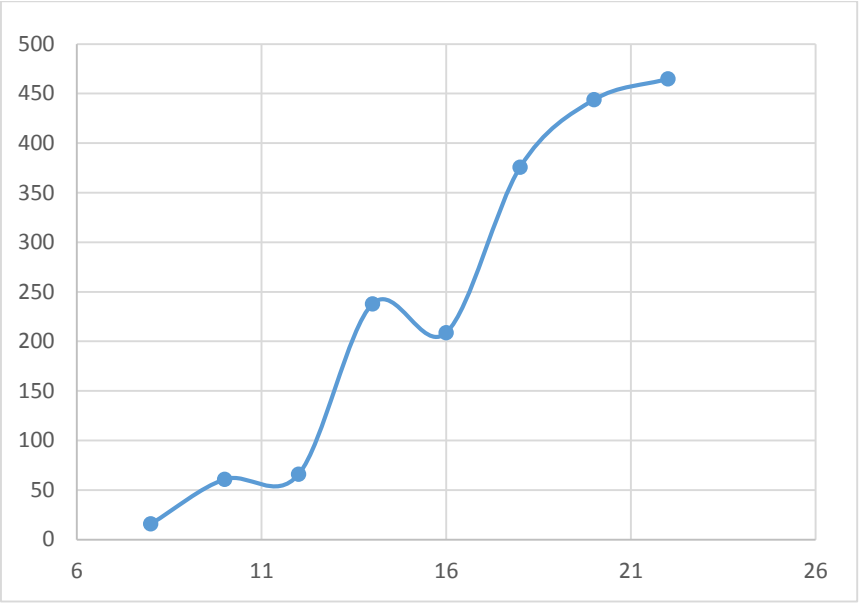
HITS VS CHROMOSOME

8	847
10	797
12	190
14	201
16	57
18	24
20	10
22	3



AVERAGE COUNTER VS CHROMOSOME

8	16
10	61
12	66
14	238
16	209
18	376
20	444
22	465



SIZE CHROMOSOME – 20, 10 SUCCESSFUL CHROMOSOMES

```

Enter length:
20
10101010101010101010
needle: -1 -1 -1 0 1 0 -1 -1 1 -1 1 0 -1 -1 1 -1 1 0 -1 0 counter: 47
needle: 1 -1 -1 0 1 0 -1 0 1 -1 1 -1 -1 0 -1 -1 -1 0 1 -1 counter: 409
-----
needle: -1 -1 1 0 -1 0 1 0 1 -1 -1 0 -1 -1 1 -1 -1 -1 1 0 counter: 979
-----
needle: 1 -1 -1 -1 1 0 1 0 -1 -1 -1 -1 -1 0 1 0 -1 -1 1 0 counter: 439
-----
needle: 1 -1 -1 0 -1 -1 1 -1 -1 0 -1 0 1 0 -1 -1 1 -1 1 0 counter: 975
-----
needle: -1 0 1 0 -1 0 -1 -1 1 -1 1 -1 1 0 1 -1 -1 -1 -1 0 counter: 731
-----
needle: -1 -1 1 0 -1 0 1 -1 1 -1 -1 0 1 0 -1 -1 -1 0 1 -1 counter: 254
-----
needle: 1 -1 1 0 1 -1 -1 -1 -1 0 -1 0 1 -1 -1 0 1 -1 -1 0 counter: 887
needle: 1 0 1 0 1 -1 1 -1 1 -1 -1 0 -1 0 -1 -1 -1 -1 -1 0 counter: 6
-----
needle: 1 -1 1 -1 1 -1 -1 0 1 0 -1 0 -1 -1 -1 0 -1 -1 1 0 counter: 305
-----
needle: 1 0 -1 -1 1 -1 1 0 -1 -1 1 -1 -1 0 1 0 -1 -1 -1 0 counter: 18
needle: 1 0 -1 0 1 0 -1 0 1 -1 1 0 1 -1 -1 -1 -1 -1 -1 -1 counter: 458
-----
needle: 1 0 -1 -1 1 -1 1 0 -1 -1 -1 -1 -1 0 -1 0 1 0 1 -1 counter: 93
-----
average counter: 430
HITs: 13
success:10
-

```

SIZE CHROMOSOME – 22, 10 SUCCESSFUL CHROMOSOMES

```

Enter length:
22
10101010101010101010
needle: -1 -1 1 -1 -1 -1 -1 0 1 0 1 0 -1 -1 1 0 -1 0 1 -1 -1 -1 counter: 660
needle: 1 -1 -1 0 1 0 1 -1 -1 0 -1 -1 1 -1 -1 0 -1 -1 -1 -1 1 0 counter: 316
-----
needle: -1 -1 -1 -1 -1 0 1 0 -1 -1 -1 -1 1 -1 1 0 1 -1 1 0 -1 0 counter: 983
-----
needle: -1 -1 1 0 1 0 -1 0 -1 -1 -1 -1 1 0 -1 -1 1 -1 1 0 -1 -1 counter: 42
-----
needle: 1 0 -1 0 -1 0 -1 -1 1 0 1 -1 -1 -1 -1 -1 1 -1 -1 0 1 -1 counter: 829
-----
needle: -1 -1 -1 0 1 -1 1 0 1 0 1 -1 -1 -1 -1 0 1 0 -1 -1 -1 -1 counter: 59
-----
needle: 1 -1 1 0 -1 0 -1 -1 -1 -1 -1 -1 -1 0 -1 0 1 -1 1 0 1 -1 counter: 968
needle: -1 -1 -1 0 1 0 1 -1 1 0 -1 0 -1 0 -1 -1 -1 -1 1 -1 1 -1 counter: 79
-----
needle: -1 0 1 0 -1 -1 1 -1 -1 0 1 -1 -1 0 1 -1 -1 0 -1 -1 1 -1 counter: 83
-----
needle: 1 -1 -1 0 1 -1 1 -1 -1 0 -1 0 -1 -1 -1 0 1 -1 1 -1 -1 0 counter: 11
needle: 1 -1 -1 0 -1 0 -1 -1 -1 -1 1 0 -1 0 1 -1 1 -1 1 -1 -1 0 counter: 348
-----
needle: -1 -1 -1 -1 -1 0 1 0 -1 -1 1 0 1 0 -1 0 1 -1 -1 -1 1 -1 counter: 866
-----
average counter: 437
HITs: 12
success:10

```