

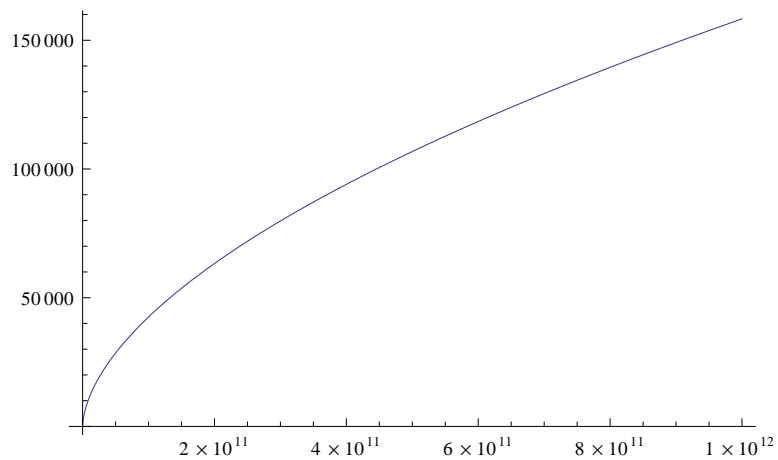
```
nMax[N_] := N / 300 * 40
```

```
s[N_, k_] := nMax[N] / 2^k Log[nMax[N]]
```

```
s[300, 1] // N
```

73.7776

```
Plot[Sqrt[#] Log[#] & [s[N, 10]] / 8, {N, 1, 1 000 000 000 000}]
```



```
Log[10^14]^3 // N
```

33 498.9

```
Log[10^15] // N
```

34.5388