```
Big O notations in order of increasing runtimes.
O(0)
O(2/N)
O(5)
O(log N)
O(SQRT(N))
O(N)
O(NM)
O(N Log N)
O(N^{1.5})
O(N^2)
O(N^4)
O(2^N)
O(∞)
Complexity of the codes in HW document
1) t(n) = O(N)
2) t(n) = n(n)
  t(n) = O(N^2)
3)t(n) = n(n-m)
  t(n) = n^2 - nm
  t(n) = O(N^2)
4) t(n) = n^2(n^2)
  t(n) = n^4
  t(n) = O(N^4)
```