- 1) Linear search => $100 \times 100 = 10,000$
- 2.1) Merge sort => 100 x 7 = 700 2.2) Binary search => 7
 - 2) Binary search \Rightarrow 700 + 100*7 = 1,400
 - 1) Linear search => $100 \times 1,000,000 = 100,000,000$
 - 2) Binary search \Rightarrow 700 + 1,000,000x7 = 7,000,700



