

Session 1 Pseudocode

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ex: Descendants of the Sun

Find a movie on Netflix with search (150 movies)

Approach 1: Search one by one from A to Z. (O(n))

Approach 2: choose middle letter. (O(log n))

Pseudocode

1 Open Netflix

2 choose middle letter

3 Look at the alphabet

4 ① if the movie you want to watch is right

5 watch the movie

6 ② else if Descendants of the sun is earlier (150)

7 open the middle left of the alphabet (75)

8 Go back to line 3

9 ③ else if Descendants of the sun is later

10 open the middle right of the alphabet

11 Go back to line 3

12 Else

13 Quit



