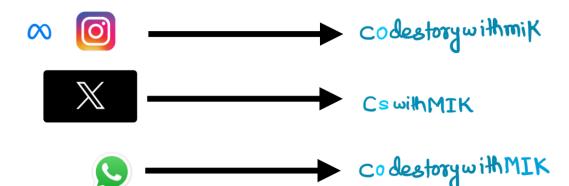
Binary Search Phylist



Video-41

Leetcode - 2071 Hard





Try this channel to know:ee 'Lije behind the Screen + tech news'

Motivation :-

If you REALLY would something in your life, you will do every possible thing to get it.

Otherwise, you will keep finding excuses. MIK.

Jak yourself - AM I HONESTLY DOING EVERYTHING POSSIBLE???

2071. Maximum Number of Tasks You Can Assign

Hard ♦ Topics ♠ Companies ♀ Hint

You have n tasks and m workers. Each task has a strength requirement stored in a **0-indexed** integer array tasks, with the ith task requiring tasks[i] strength to complete. The strength of each worker is stored in a **0-indexed** integer array workers, with the jth worker having workers[j] strength. Each worker can only be assigned to a **single** task and must have a strength **greater than or equal** to the task's strength requirement (i.e., workers[j] >= tasks[i]).

Additionally, you have pills magical pills that will increase a worker's strength by strength. You can decide which workers receive the magical pills, however, you may only give each worker at most one magical pill.

Given the **0-indexed** integer arrays tasks and workers and the integers pills and strength, return the maximum number of tasks that can be completed.

Example: tasks = [32,1]

worker =
$$[6, 3]$$

Pills = 1

Streigth = 1

Output :- 3

hought Process

tasks =
$$\{5, 5, 8, 9, 9\}$$

workers = $\{6, 6, 4, 2, 1\}$
Pills = 1
streigth = 5

6 = of 9 92

tospecon = 1

tec = 3

Casjest tasks =
$$\begin{bmatrix} 5, & 5, & 6 \end{bmatrix}$$

weaken worken = $\begin{bmatrix} 1, & 2, & 4 \end{bmatrix}$
 $\begin{bmatrix} 6, & 6 \end{bmatrix}$
 $\begin{bmatrix} 45 \\ = 9 \end{bmatrix}$

easiest touks =
$$(6, 6)$$
 (8) $(9, 9)$

strongest works = $(6, 6)$ (6) (4) $(2, 1)$

= (6)

tasks =
$$[3, 2, 1]$$

workers = $[0, 3, 3]$
Pills = 1
Streight = 1

easiest tasks =
$$\left(\frac{1}{2}, \frac{3}{3}\right)$$
 tasks = 2
Strongalwork = $\left(\frac{3}{3}, \frac{3}{3}\right)$ tasks = 2

easiert task of Descending. ????

tasks =
$$[5, 9, 8, 5, 9]$$

workers = $[1, 6, 4, 2, 6]$
Pills = 1
strength = 5

task = 1

Censwer

Strongest workers =
$$\{9, 9, 8, 5, 5\}$$

Strongest workers = $\{6, 6, 4, 2, 1\}$

checkest tasks =
$$\begin{bmatrix} 5, 5, 8, 9, 9 \end{bmatrix}$$

$$1 = 0 \quad 8 = 5$$
Strongest workers = $\begin{bmatrix} 6, 6, 4, 2, 1 \end{bmatrix}$

$$1 = 0 \quad 8 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 = 5$$

$$2 = 0 =$$

IT Weakest Tasks order

Strongest Workers -> Descending order.

Sum Points.

- Casiest tark ascu.
- (worker deren.) multiest

mid tasks? (1) Strongert works -> Strongert -> Stronger

multined by Im.













