



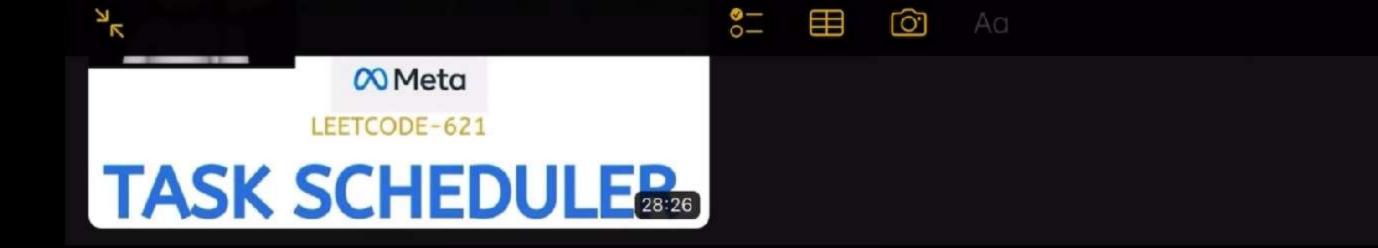
VIDEG-31



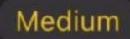
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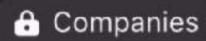
-> codestory with MIK



621. Task Scheduler









You are given an array of CPU tasks, each represented by letters A to Z, and a cooling time, n. Each cycle or interval allows the completion of one task. Tasks can be completed in any order, but there's a constraint: **identical** tasks must be separated by at least n intervals due to cooling time.

Return the minimum number of intervals required to complete all tasks.

ZK

Ô

















Output =
$$6$$



S= ■ © A



Thought Process:-

{ 'A', 'C', 'A', 'B', 'D', 'B', 'A', 'A', 'B'}, n=2

$$B = 3$$







{ 'A', 'C', 'A', 'B', 'D', 'B', 'A', 'A', 'B'}, n=2

$$B = 3$$

$$C = 2$$











$$B = 3$$

$$C = 2$$

N K

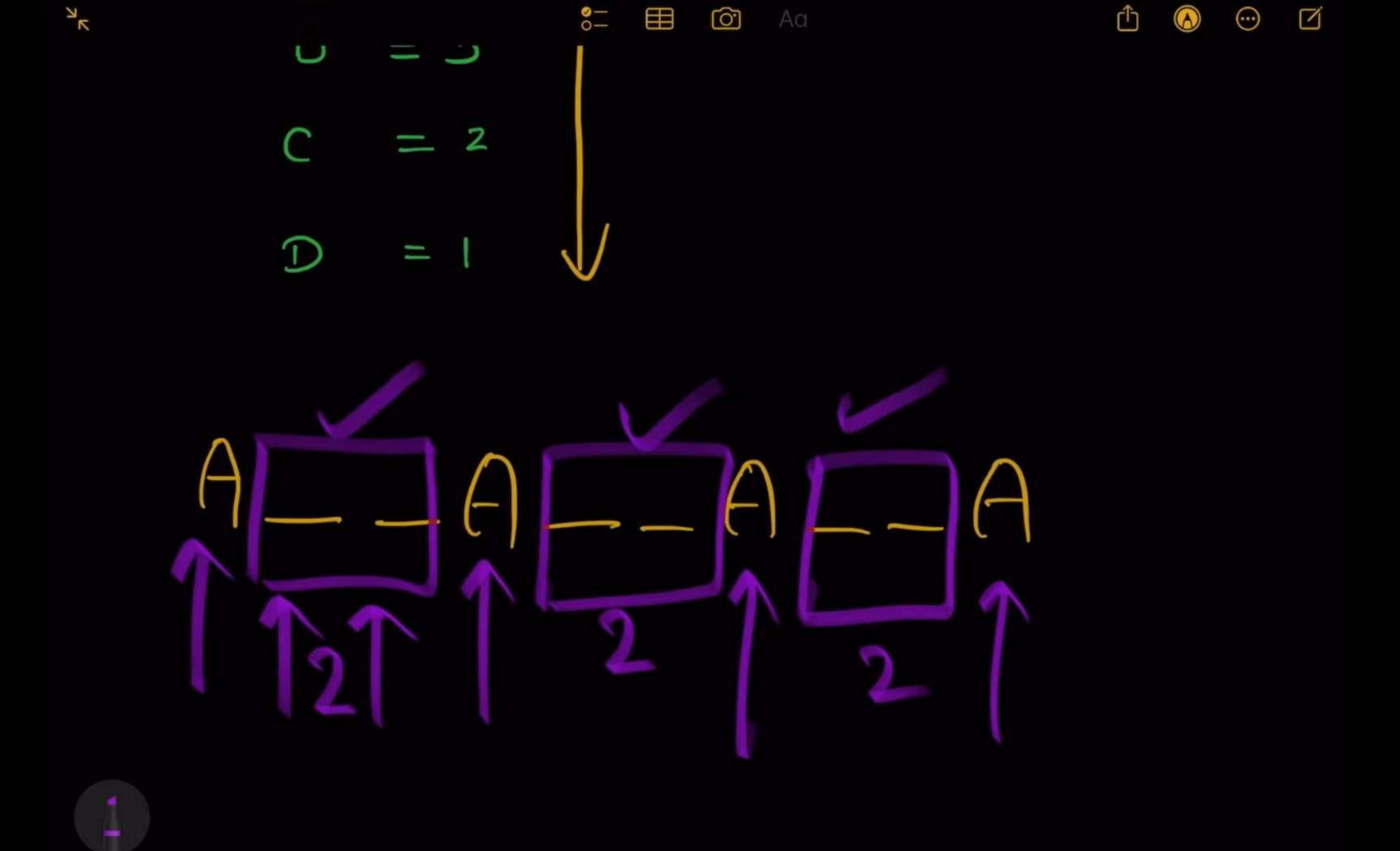
å= ⊞ © Aa

B = 3

C = 2

D = 1





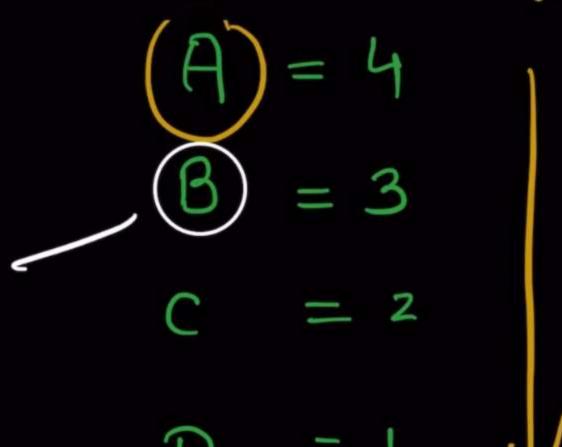
° = ∠ ° Aa ° M © ✓

Monoline



3 * 2 = 6

12 3 * 2 = 6 idle spots = 6



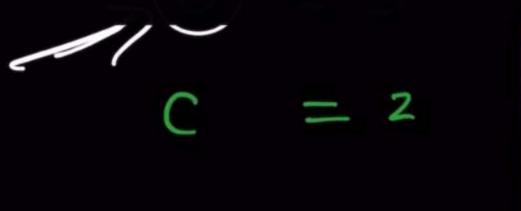
$$n = 2$$

³⊏ ⊞ ⓒ









$$n = 2$$

$$A B - A B - A B - A$$

ABCABDA

%□ (a) Aa

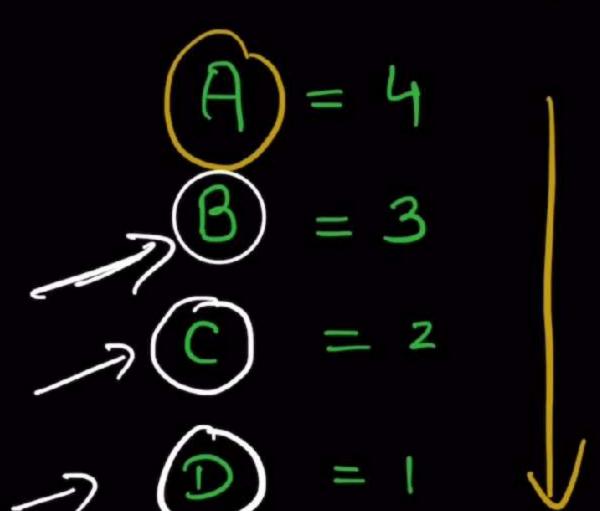
$$idle Spots = 6 - freq [B]$$

$$= 6 - 3 = 3$$

$$= 3 - fr (c)$$

$$= 3 - 2$$

$$= 1 - 1 = 0$$



$$n = 2$$

°= ⊞ ⊙ Aa

{ 'A', 'C', 'A', 'B', 'D', 'B', 'A', 'A', 'B', 'B', n=2

$$C = 1$$





A = 4

B = 4

C = 1

idlespots = G

$$C = 1$$

Object Eraser

idlespots = G





$$\frac{(H)}{B} = \frac{H}{1}$$

$$C = 1$$

Task Scheduler | Using Greedy Only | No Heap | Leetcode 621 | codestorywithMIK

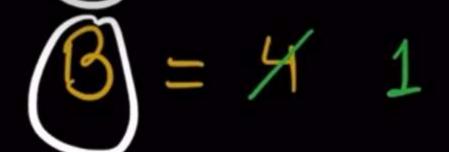




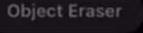




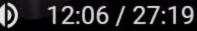




$$C = 1$$













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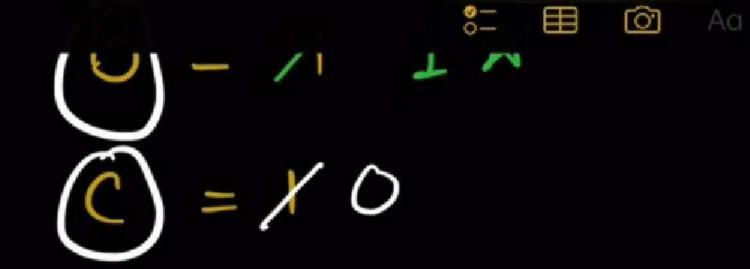
- 1

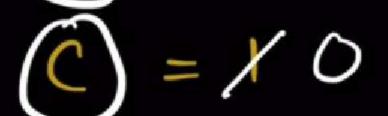
Gaddha = 3

AB_AB_AA

idlegpors = G - Gaddha = G - 3 = 3

$$C = 1$$





Gaddha = 3

idlespots =
$$G - Gaddha$$

= $G - 3$
= $G - 3$
= $G - 3$

$$(C) = X O$$

idlespors =
$$G - Gaddha$$

$$= 6 - 3$$

$$= 3 - frag(c)$$

3-1

Gaddha = 3

ABCAB_ABA

$$idlespors = G - Gaddha)$$

$$= 6 - 3$$

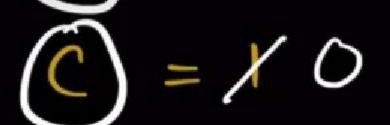
$$= 3 - frag(c)$$

$$= 3 - 1$$

$$= 2$$

min (freg (ch), Graddha)

Task Scheduler | Using Greedy Only | No Heap | Leetcode 621 | codestorywithMIK



idlespors =
$$G - Gaddha$$
 min(4,3)
= $G - 3$
= $G - 3$



$$idlespors = G - (Gaddha)$$

= $6 - 3$
= $3 - (5rq(c))$
= $3 - 1$
= 2

Z

<u>°</u>− ⊞

idlespots =
$$6 - (Gaddha) = 6 - 3$$

= $3 - frag(c) min(1,3)$
= $3-1$
= $2 - min(fr(0), 3)$
= $2 - min(1, 3)$



ABCABDABA

(<u>O</u>)

idlespors =
$$6 - (Gaddha)$$
 = $6 - 3$
= $3 - (freq(c)) min(1,3)$
= $3 - 1$
= $2 - min(fr(0), 3)$
= $2 - min(1, 3)$
= $2 - 1 = 1$

min (freg (ch), Graddha)

1

ZK

idlespors =
$$6 - (Gaddha) \in$$

= $6 - 3$
= $3 - frag(c) min(1,3)$
= $3 - 1$
= $2 - min(f(D), 3)$
= $2 - min(1, 3)$
= $2 - 1 = (1)$

min (freg [ch], Graddha)

ZK

$$\sum_{n=1}^{\infty} = X \circ$$

 $\gamma + idk spots$ idlespots = G - Gaddha = 6 - 3 = 3 - frac(c)

 $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$

Gaddha = 3

min(1,3)

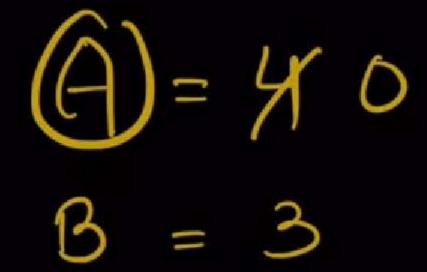


$$c = 3$$









$$c = 3$$

A__ (A





$$idolspots = 6 - min(3, 3)$$

= 3 - min(3,





Object Eraser

idolspots =
$$6 - min(3,3)$$

= $3 - min(3,3)$
= 0

Midolspots = =0) return taskisize();

eh

tout user) + idosphi;