speed of easting banancy = 6 bananas

[pile[i]]

K Jtime required for ith

hour = 8 hrs

amay\_

h pile have no. of bananas in bananas in poiles

1) Time = [11] = [8.6] teal

1. Koko loves to eat bananas. There are n piles of bananas, the ith pile has piles[i] bananas. The guards have gone and will come back in h hours.

Koko can decide her bananas-per-hour eating speed of k. Each hour, she chooses some pile of bananas and eats k bananas from that pile. If the pile has less than k bananas, she eats all of them instead and will not eat any more bananas during this hour.

2. Koko likes to eat slowly but still wants to finish eating all the bananas before the guards return.

A. Return the minimum integer k such that she can eat all the bananas within h hours.

firthr-9 Seconahr23

Speed o

eading banans=3 bo/hr.

> Hme?

koko com decide

speed of earling

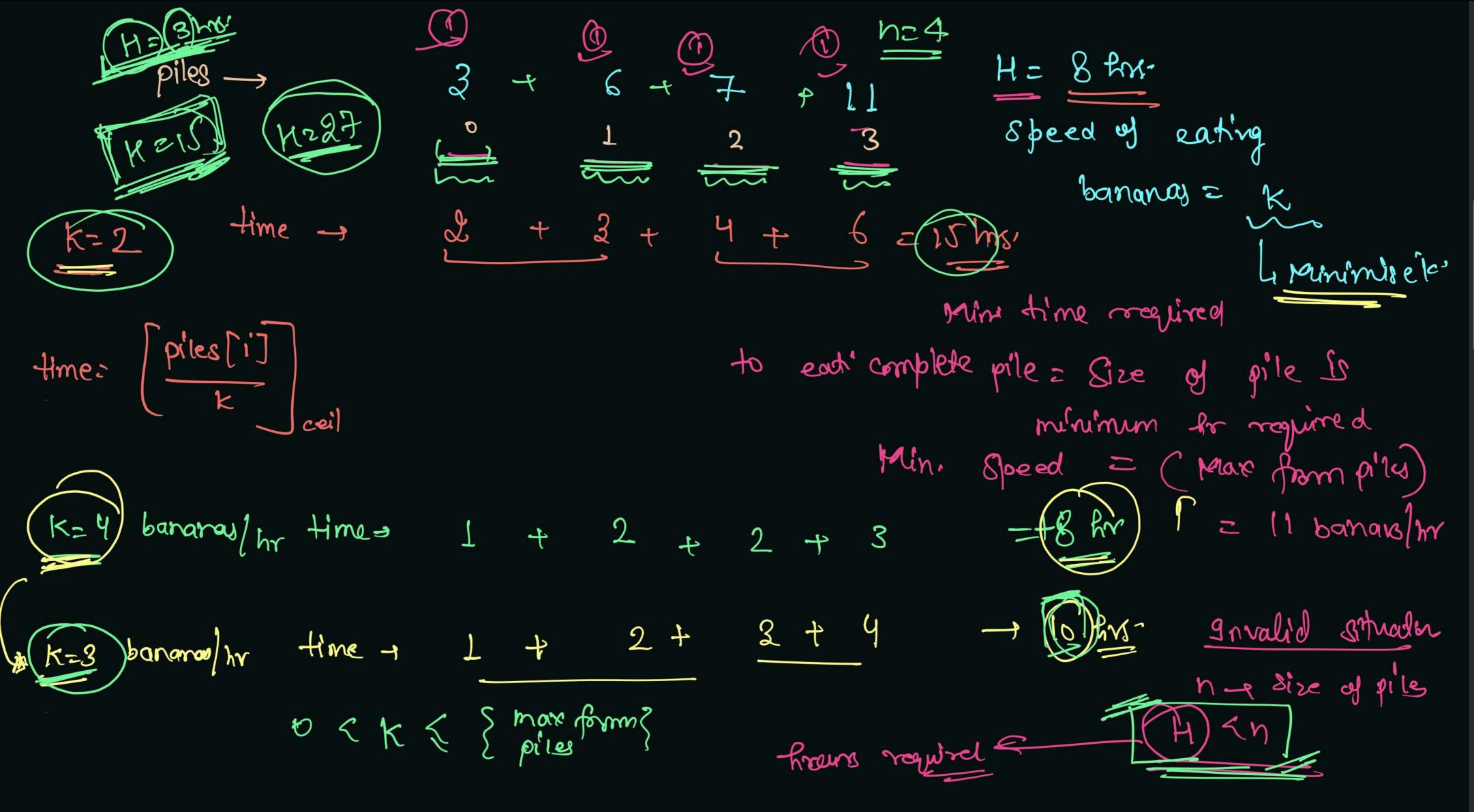
baranas per thour

Speed = (K) banaras/hr

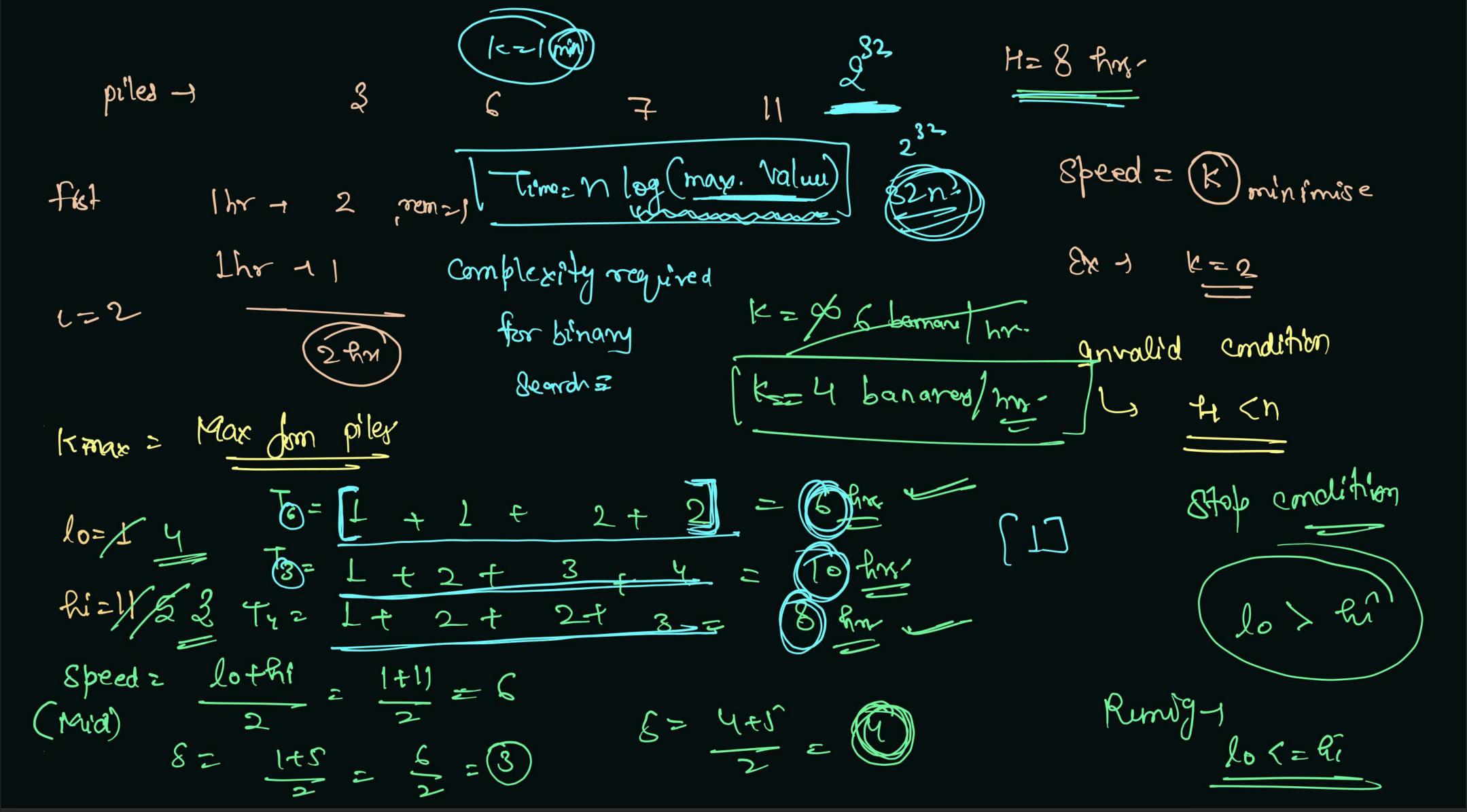
Maintenance

1 me.

ceil for finding time



piles 
$$\rightarrow$$
 3 (  $\mp$  11  $\pm$  2  $\pm$  2  $\pm$  3  $\pm$  8  $\pm$  4  $\pm$  6  $\pm$  11  $\pm$  2  $\pm$  2  $\pm$  3  $\pm$  4  $\pm$  6  $\pm$  11  $\pm$  1  $\pm$  2  $\pm$  3  $\pm$  4  $\pm$  6  $\pm$  11  $\pm$  11  $\pm$  11  $\pm$  2  $\pm$  3  $\pm$  4  $\pm$  1  $\pm$  1  $\pm$  1  $\pm$  1  $\pm$  2  $\pm$  3  $\pm$  4  $\pm$  1  $\pm$  1  $\pm$  1  $\pm$  1  $\pm$  2  $\pm$  3  $\pm$  4  $\pm$  1  $\pm$  1  $\pm$  1  $\pm$  2  $\pm$  2  $\pm$  3  $\pm$  4  $\pm$  1  $\pm$  1  $\pm$  2  $\pm$  2  $\pm$  4 3  $\pm$  8  $\pm$  8  $\pm$  8  $\pm$  8  $\pm$  8  $\pm$  8  $\pm$  1  $\pm$  1  $\pm$  1  $\pm$  2  $\pm$  2  $\pm$  4 3  $\pm$  8  $\pm$  8  $\pm$  8  $\pm$  8  $\pm$  8  $\pm$  1  $\pm$  1  $\pm$  2  $\pm$  2  $\pm$  2  $\pm$  2  $\pm$  2  $\pm$  3  $\pm$  4  $\pm$  2  $\pm$  2  $\pm$  3  $\pm$  4  $\pm$  2  $\pm$  4  $\pm$  6  $\pm$  8  $\pm$  8  $\pm$  8  $\pm$  8  $\pm$  1  $\pm$  1  $\pm$  1  $\pm$  1  $\pm$  1  $\pm$  2  $\pm$  1  $\pm$  1



## Find the Smallest Divisor Given a Threshold

Tuesday, 16 November 2021

10:40 PM

threshold—min => length of array

2 3 5 7 1

Then threshold is min.

Value of divisor = (Max. from)

[ 2nduding array

Minimisation of E)

threshold = 11

Li divis or

Given an array of integers nums and an integer threshold we will choose a positive integer divisor, divide all the array by it, and sum the division's result. Find the smallest divisor such that the result mentioned above is less than or equal to threshold.

Each result of the division is rounded to the nearest integer greater than or equal to that element. (For example: 7/3 = 3 and 10/2 = 5).

It is guaranteed that there will be an answer.

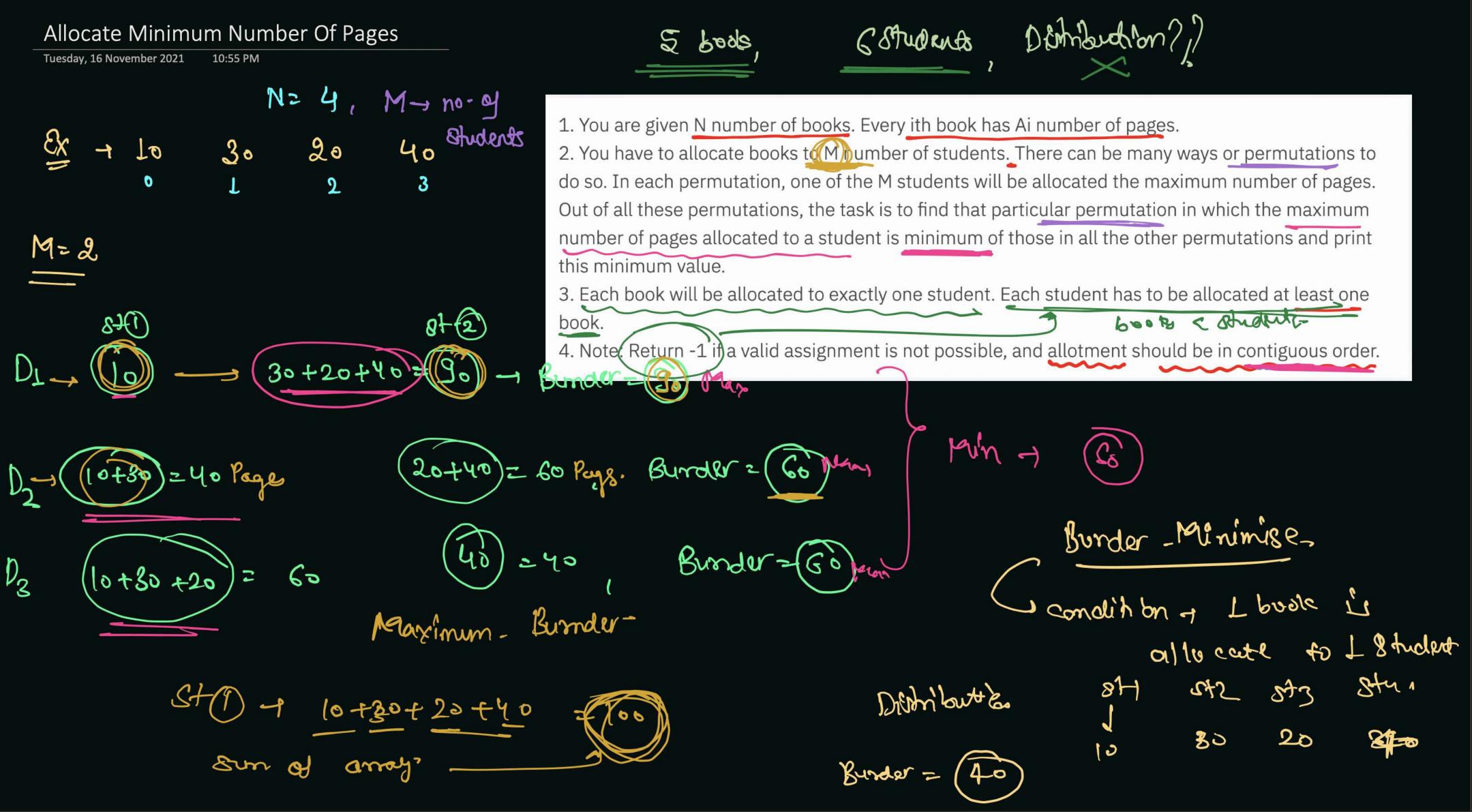
Sum of mesult of division <= threshold-

lo=1 hi=[Max from array]

threshold = 11

div = 96 & 3

$$hi = x1$$
 \$2 8 cm,  $z \perp + 2 + 3 + 4 \leq z$ 



Pages -> 30 20 40 M23 To 2 Bunder (Max in grolividual dietn'bution) 20+40=60 30 DI 7 Min -3 50 30 +20 = 60 (Fo) To D2-40 (20) 10+302(40) 03 -10-450 20

Pages -1 30 271 87L 27 Sim = 10+30+20 8m= lot 30. Sm > 10 +30 Sum = 10 480 +20 = Go St2. Q72 = 87 2 5+2 8 cm = 60 sm-20 Sun = 40 Sun = 20 Allocation = 160 sm E 573 Simeuo Allocation = 170 hi = 100 69 6159. ( Burden) Mid= loot 40 601 Mid= Mud =

8m= 10+50+20

271

Sun= lotso

Mid = 59 520