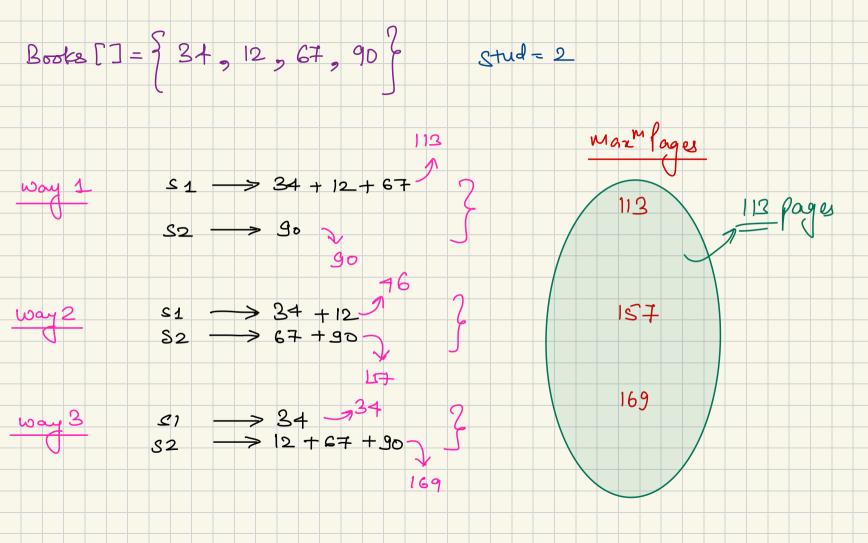
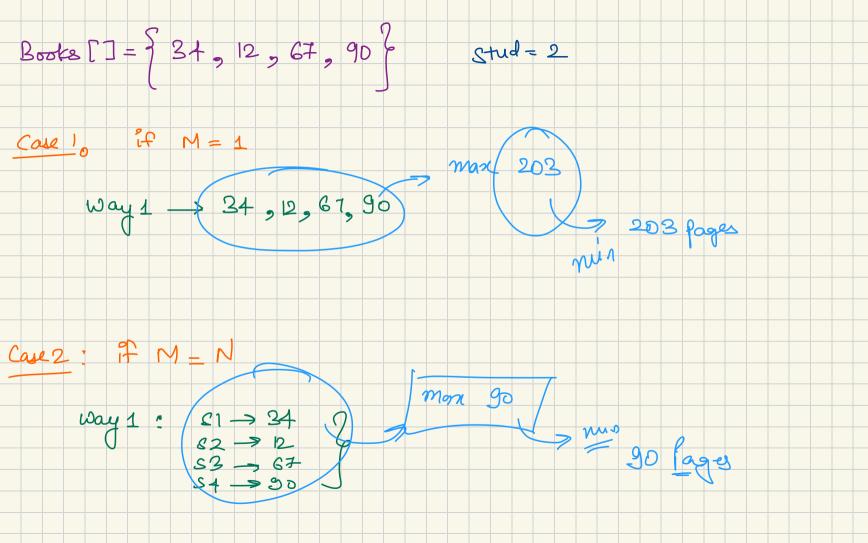


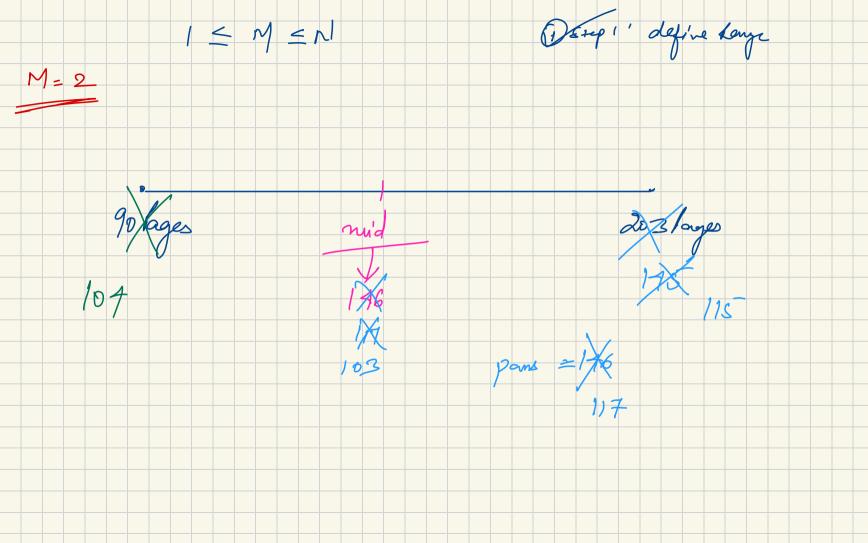
Agenda  (i) Atlocate Minimum No. of Pages  (ii) Aggressive cows	Binary ser
(3) Capacity to suip lackages within & days (4) Minimum Unit of balls (1) a bag	Hard Problems
Basics Binary Cearch	

Allocate Minimum No. of Pages Books [] = { 3+, 12, 67, 90 } Stud = 2 lequinners o distribute there is Books among these M Students. o such that Each student smould get numm one book. o books should be distributed in contegeneous mannier. nur of more no. of pages read by a stud.

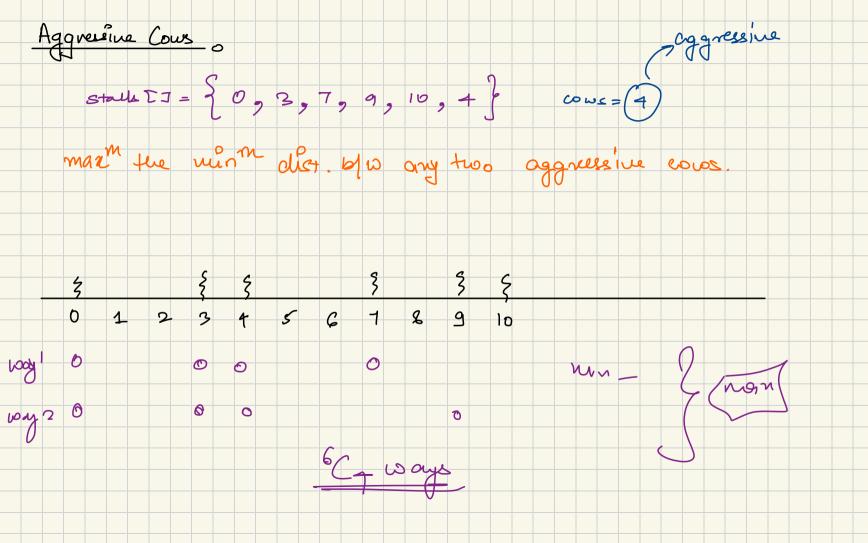


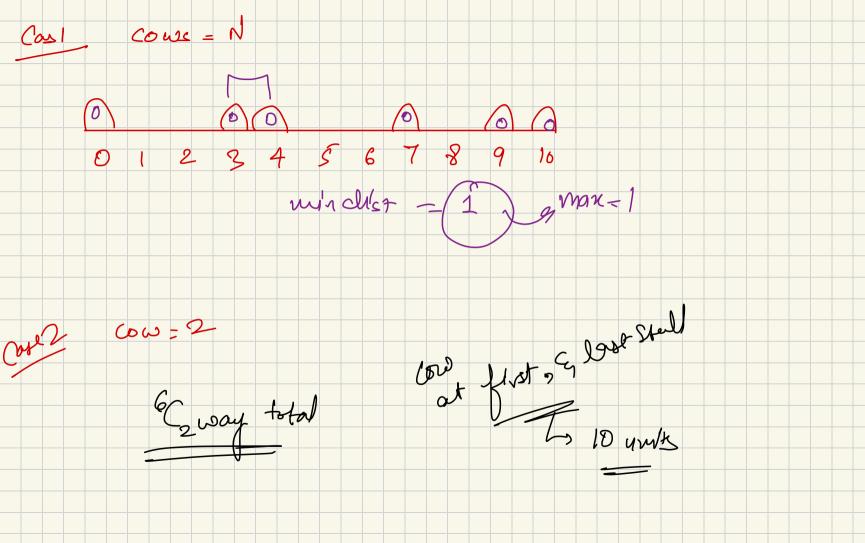
Brute Force o Books [] = \( \frac{3}{3} + \, 12 \, 67 \, 90 \) stud = 2 S 0 Ð ව ٥



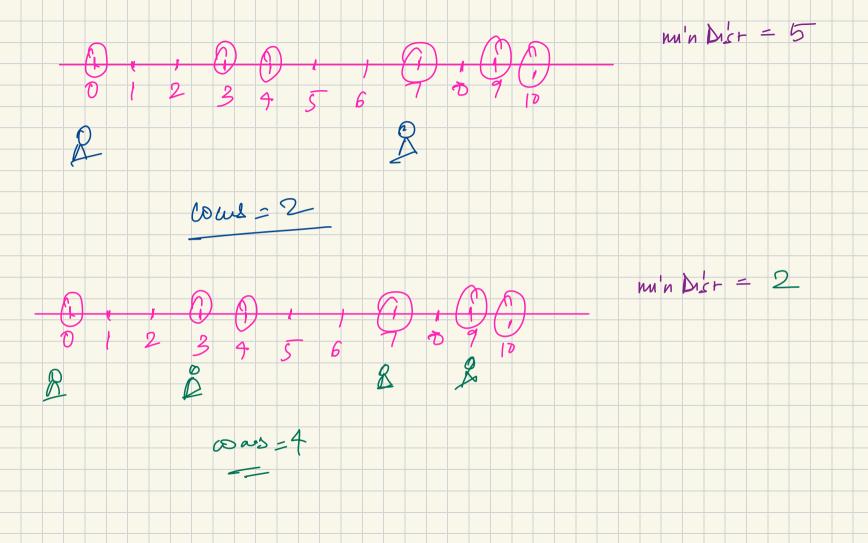


Books [] = { 3+, 12, 67, 90 } Max m/oge = 103 S1->3++12 7 S2->6+ S3->90





2 = Cow < N COVS = 7



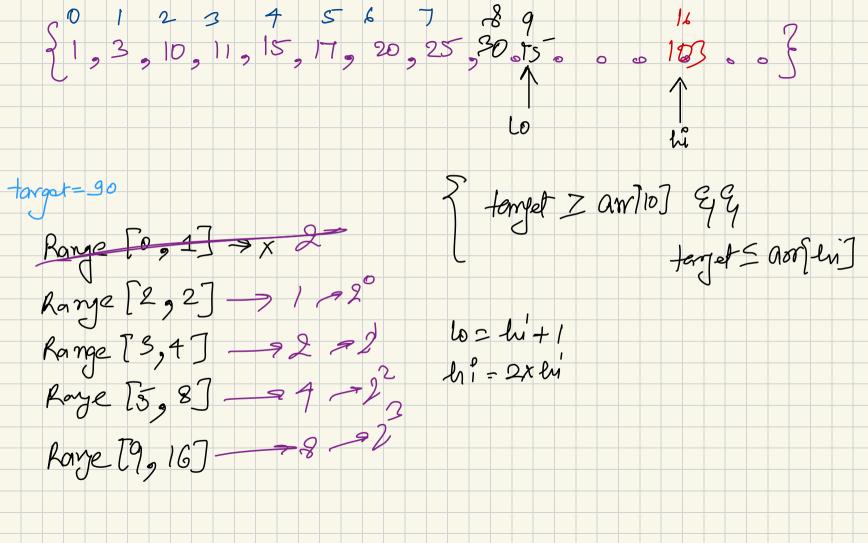
min Dist = 3 Co uss = 4 min Dist = 4 Cover = 3

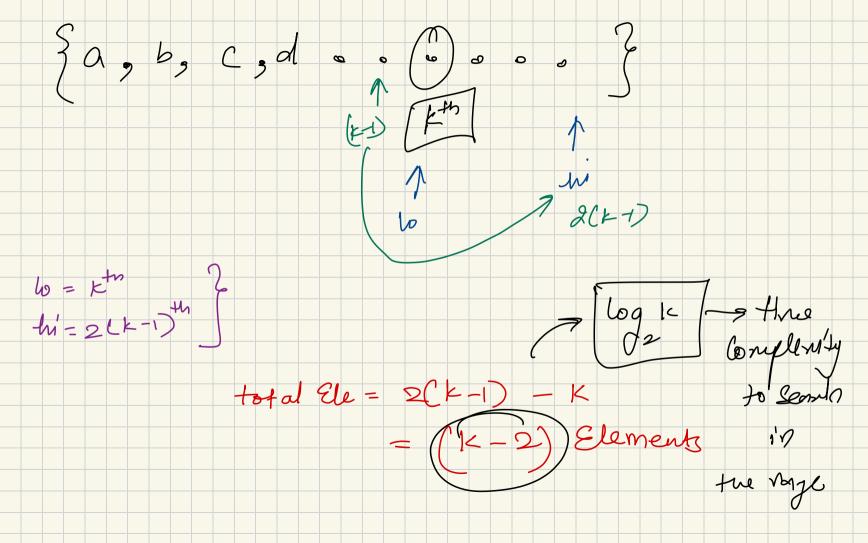
nearest Stall will be the month threat O compone who neavest stall.

Capacity to ship Packages within B days. in [] A = { 3, 2, 2, 4, 1, 4 } day = 3 nwn m S max Capacity of the ship in [] 2, 2, 4, 1, day = 3 A = -3, day 9

= 4 x 3. 1 & 13 Steps log = 8x3,7 = 27 steps

Binary Search over an infinite array infinite sorted array 71,3,10,11,15,17,20,25, torget = 1014 Bruk Force 1010 CM) La Enden of Element.





Kaye = R-1 = K-2 $\geq$  $P_{-} = lop (\pm -2)$ 9 Karze

Morall TC I can find om Ele