Binary Search

Observator

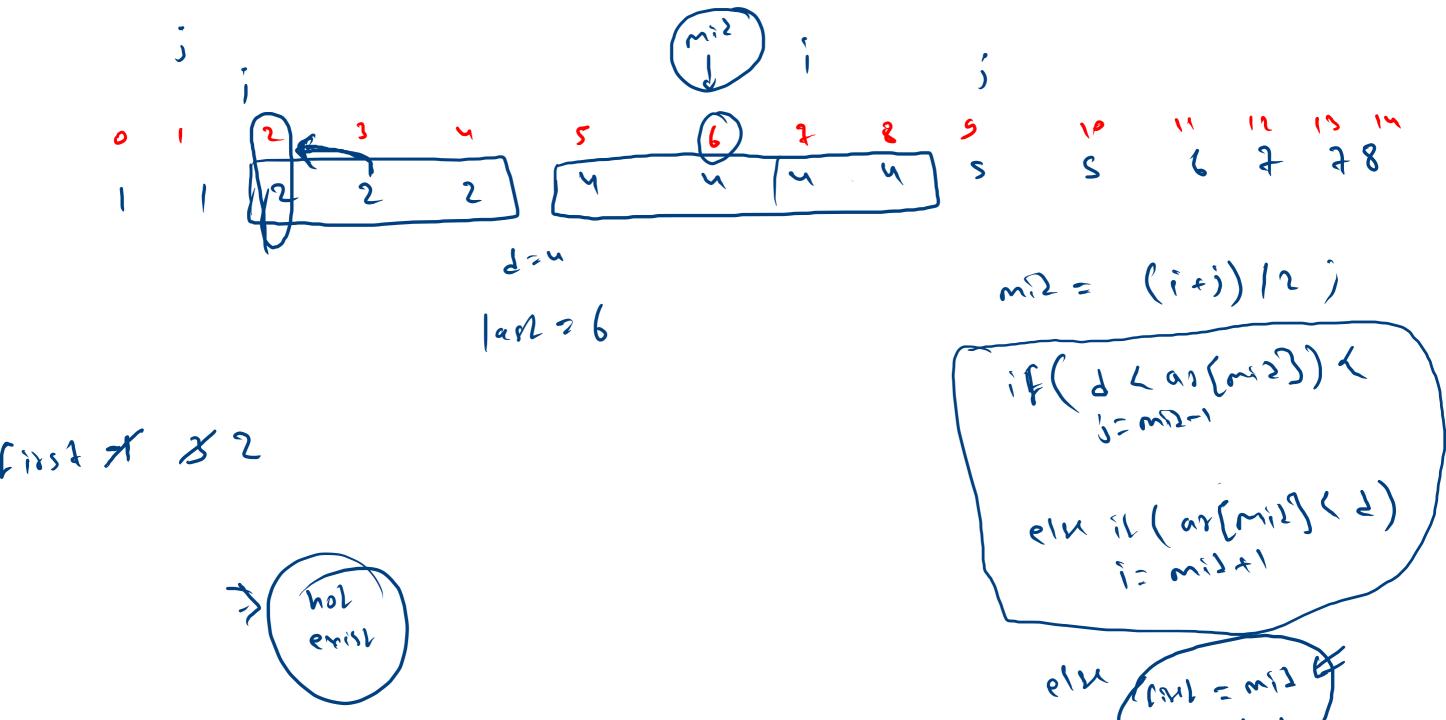
Searching

mi2 = (i+i)/1) ir (ar(mi2) 2 d) Moorz ar [miz] nor exist 1= W1541 !! (I < ar(wis))
!! (I < ar(wis)) (iil = 4x 40 (100) = 2x 33 elu

1 5 10 15 22 33 40 42 55 66 34

tin 2 mi2 = (i+i)/1) ir (ar(ni2) 2 2) Moorz ar[miz] nor exist 1= W1541 (ci) = 42 40 (100) = 22 33 40 !! (7 < as(wig))" d= 40 ceil = arcrizs j = m(1-1)(ii) = closes ar Cuis hreale i

0 1 2 3 4
1 1 2 2 2 4 4 5 5 6 7 78 [[1]] 123 [2,4] 2 hihr searh $\frac{3}{\text{not even}} \rightarrow \frac{2m}{\text{Las2}} -1$



marly = 10

int marks C3 = her int[3])

SIME

10 5 2

marles [i] [j]

ア ア ア

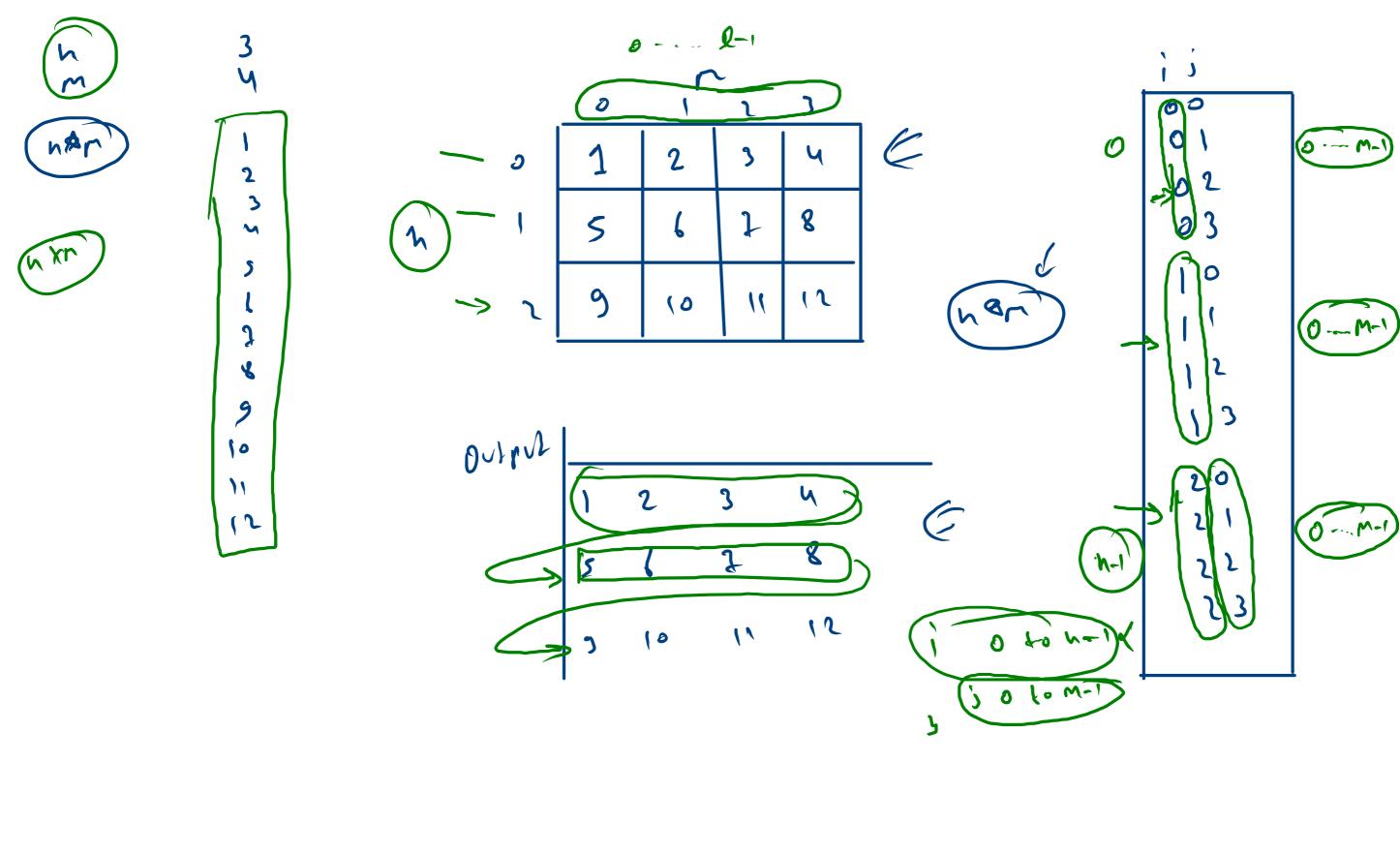
com vinei

marles [13[2] -- 5 marks [0][i] = 2 marks [1][2]

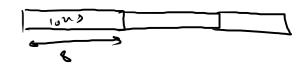
210

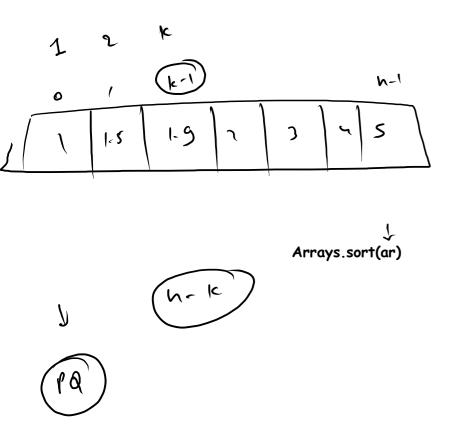
int mastes [(i))

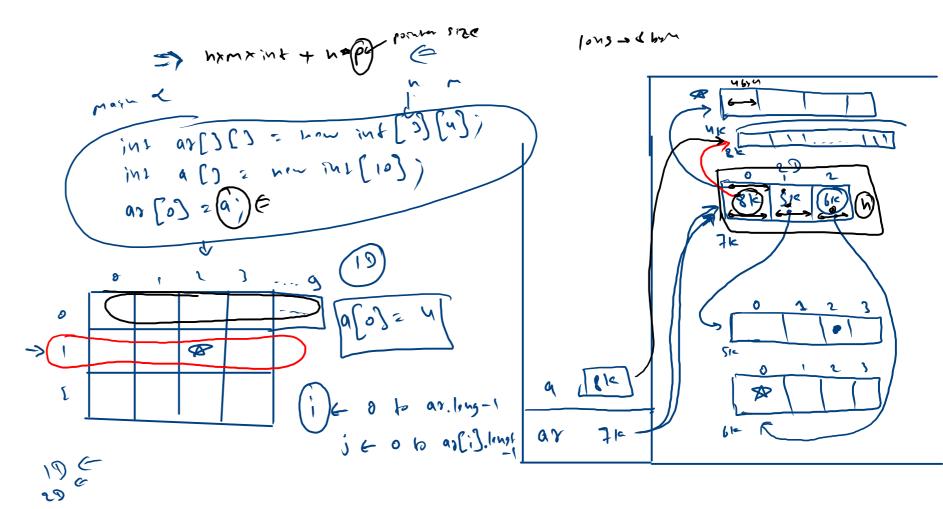
i[martes]



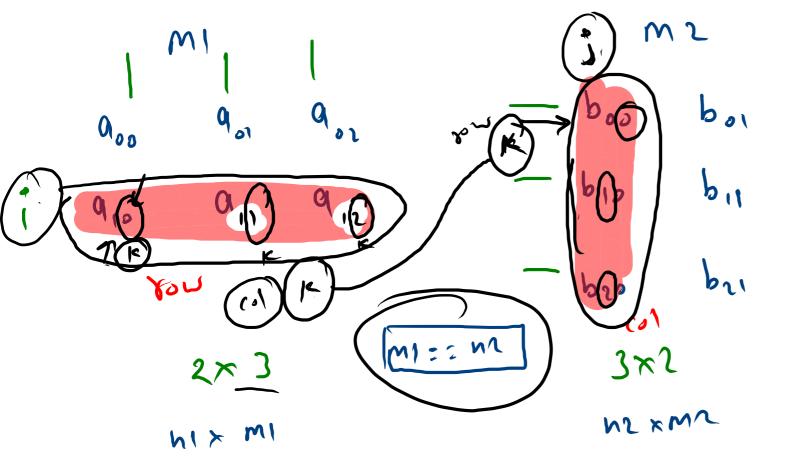
10m) 1()= non 10ms[u]



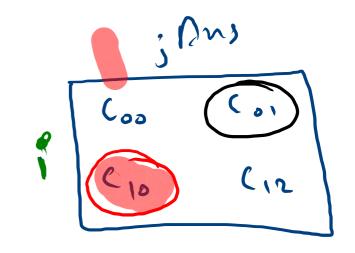




h-1 to 0 0 to h-1 21 il (5 1/0 2 == 0) 14 else n-1 20 0



$$C_{10} = \begin{cases} \alpha_{10} \times b_{00} & = \alpha_{10} \times b_{00} \\ x & = \alpha_{10} \times b_{00} \end{cases}$$



NIXM2