Answer to the question no. 1

for the giren snapshot, the table along with need matrix will be:

- · At first when & ABC (3,3,2) is available, P, is satisfied. So, P(2,0,0) is absent to available matrix to get (5,3,2).
- Next using to ABe(5,3,2) we can satisfy l_3 (. So, now) l_3 (2,1,1) is added to (5,3,2) to get (7,4,3).

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- Ung (7,4,3) we can satisfy R_4 and end up getting (7,4,5) by adding $R_4(0,0,2)$.
- Next using (7,4,5) we can satisfy l_0 and get available matrix (7,5,5) by adding $l_0(0,1,0)$.
- · Lastly, on we satisfy P2 and add P2(3,0,2)

 and to get (10,5,7) which is the total avoilable
 resources.

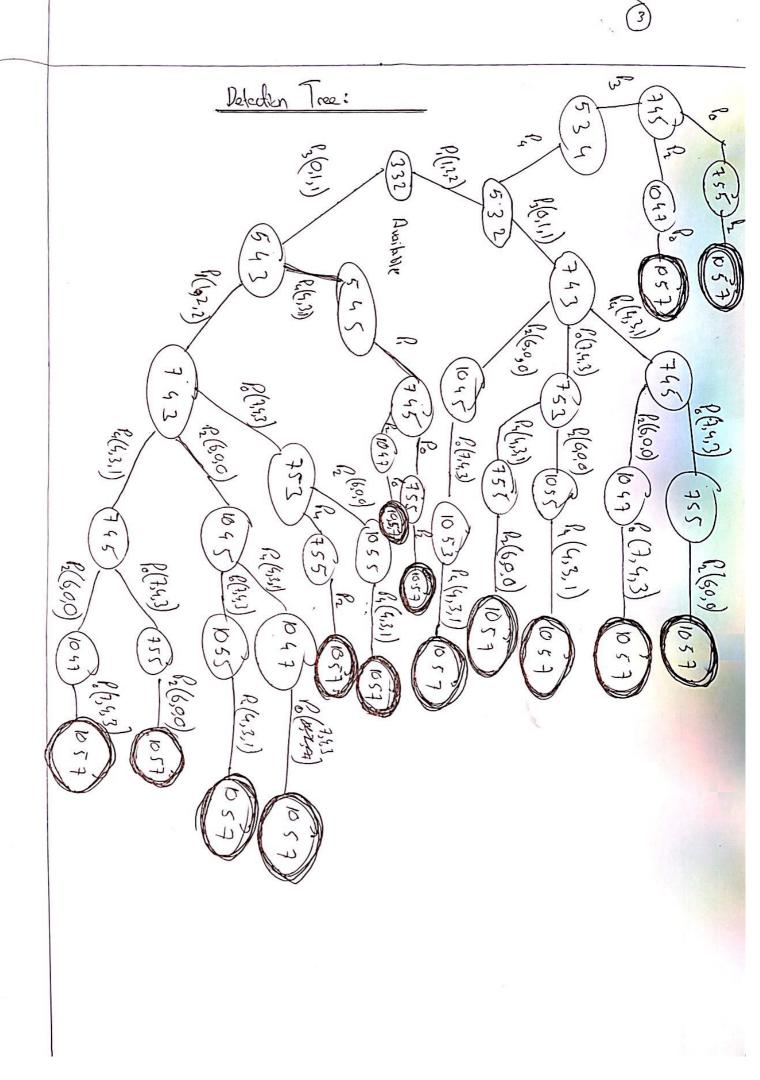
So, the safe sequence is:

 P_1 , P_3 , P_4 , P_0 , P_2

And at each step the available matrix was:

$$(3,3,2) \Rightarrow (5,3,2) \Rightarrow (7,4,3) \Rightarrow (7,4,5) \Rightarrow (7,5,5)$$

$$\Rightarrow (10,5,7)$$



Answ to grestion no: 2

Safe gegrence: P, B, P, Po P2

Smer, safe gegrence is found, he can grand regrest.

Answer to greation: 3

	Alloe.	Mex	Available	Need
Po	010	753	230	743
P	302	322	959540	020
P2	301	902		600
l3	211	222		0()
P4	002	433		431

(3,3,0) request by N_4 is not acceptable

Since it exceeds availability.

(0,3,0) by 13 is not acceptable since it exceeds its

(c) (0,0,2) by h is not acceptable smee it exceeds availability.