	D.E> Python	
Q.]	Allocation Max Available Website	
	ABCDABCDABCD React SES	3
	Pol 0 0 1 2 0 0 1 2 1 5 2 0	
	P2 10001750	
4	Ps 1 3 5 4 2 3 5 6	
	P4 0 6 3 2 0 6 5 2	
	P5 0 0 1 4 0 6 5 6	
1.)	Find need matrix? Cooper to cooper t	
2.>		
	If 'YES' then find a safe sequence.	
	Apply Safety and Rasourse-request algorithm.	
	33323	

							Classmate C
							33823
Ang-	13 Need math: Need = Max - Albration.						
		- Interior	A	reed	C	0	seles 20 mm
	Tank and	Pi	0	0	0	0	n akes A
		P2	0	7	5	0	bold-e
		Ps	1	0	0	2	and the same of
		Pa	0	0	12	0	clara software e-
		Ps	0	6	4	2	- Alley

checking if system is in soft stat:

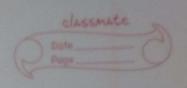
a) P_1 : Need <= Availability $(0,0,0,0) <= (13,2,0) \Rightarrow \text{ Trave}$.

New avilability: Availability + Alboation. = (1,5,9,0) + (0,0,12) = (1,5,92).

b) P_2 : $(1,5,9,0) <= (1,5,9,2) \rightarrow \text{ Trave}$. False.

Need <= avilability: P_2 is executed.

C) P_3 : $(1,0,0,2) <= (1,5,9,2) \rightarrow \text{ Trave}$ New availability: P_2 : P_3 : P_4 :



d) Pg: (902,0 <= (0,8,8,6) - True.

New availability - (2,8,8,6) + (0,6,32) =

= (2,14,11,8).

Next S Availability - 15 will be executed.

After this, for \$2: (07,50 <= (2,14,12,12) - True.

Need Savilability - Pa visu be encounted now.

Sequence: P1, P3, P4, P5, P2 -> Hence system is in SAFE STATE.

3) Bankor's Algo:

read [j][j] >= max[j][j] - albc[j][j]

- If request carnot be granted, its put on waiting list or deried
- Assumes that req. can be granted.
- -> If new state is safe -> grant the req.
 else -> peny or put on waiting list.