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C perogram to for the purpose of Deadlock avoidance # include < Stdio h7 # include < comio. h) troid main () int alloc [10] [10] max [10][10]; avail [10], work [10], total [10]; i, j, k, n, need [10][10]; int count=0, C=0; Char Sinish [10]; point (" Enter the no of paocesses and Scant [" of d % d", En, Em); (i=o; i <=m; i++) Pinh [i]=n; 20; (Cn; i++) for (i=0; i < m; i++) Scanf ["%d", & alloc [i][i]]; Printfl" Rejourse vertor: "); lor (i=0; icm; i++) Scarp ("% 2", & total (i)); for (i=0; icm; i++) avail [i]=0; for(i=0; i=n; i++) j=0; j = m; j++) and [j] +=aloc [j[j]i =0 ; icm; ift) took [i] = avail [i]; 20 ; icm; i++) work[i] = told[i]-work[i] for (j=0', jem ; j+1) anced [i][j]=max[j][j] - alloc [:][i]: 1: -for (i=0; i<n; i++)

PAGE NO DATE: to priver 1.1" All i+1); executed resources 3 G 3 4.

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the a	Moration matrix:
100	The second second
6 1 2	
2 1 1	
0 0 2	in the state of th
kejowa Verdot	2: 7 3 6
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Available rues	sources are: 6 2 3
Roscer 2 exe	
	MINOR COLOR S
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All the o	resources can be allocated to process 4
Available one	esquare can be allocated to process !
All Ho one	executed !:>
April 16 nov	owner are 9 3 Country 1
	1 3 6
To total	executed ?: >
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Enter the no of Process and Resources:5 3
Enter the available Resources:2 3 0
Enter the allocation matrix:0 1 0
3 0 2
3 0 2
2 1 1
0 0 2
Enter the Max matrix:7 4 3
0 2 0
6 0 0
0 1 1
4 3 1
Following is the SAFE Sequence
P1 -> P2 -> P3 -> P4 -> P0
```