Example:

	R_1	R_2	R_3	R_4	R_5
P_1	0	1	0	0	1
P_2	0	0	1	0	1
P_3	0	0	0	0	1
P_4	1	0	1	0	1

Request Matrix
Q

	R_1	R_2	R_3	R_4	R_5
P_1	1	0	1	1	0
P_2	1	1	0	0	0
P_3	0	0	0	1	0
P_4	0	0	0	0	0

Allocation Matrix
A

R_1	R_2	R_3	R_4	R_5
2	1	1	2	1

Resource Vector (R)

R_1	R_2	R_3	R_4	R_5
0	0	0	0	1

Available Vector

→ Mark P_4, P_4 has no allocated resources

P_1 ✗ P_2 ✗ P_3 ✗ P_4 ✓

→ set W = (0 0 0 0 1) (Available)

→ P_1's request can't be granted, same for P_2, P_3's request can be granted

So, assume it is granted, Mark P_3

W = (0 0 0 1 1), P_1 ✗ P_2 ✗ P_3 ✓ P_4 ✓

→ Neither P_1 nor P_2 can be granted, hence P_1 and P_2 are deadlocked