Necessary conditions in Deadlock

1. Hold & Wait



Request    A    Held By

A

P1

Held By    B    Request
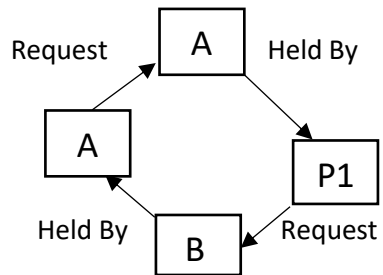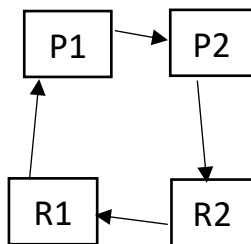
2. Mutual Exclusion

Process is requesting which is already locked by another process



P1 → P2

R1 ← R2

3. Circular wait



X

Z ← Y