A=1    C=0

B=0    D=0

| Down(semaphoreA) | Down(semaphoreB) | Down(semaphoreC) |
|---|---|---|
| { | { | { |
| Get_A=Open(resourceA); | Get_B=Open(resourceB); | Get_C=Open(resourceC); |
| Up(semaphoreD) | Up(semaphoreC) | Up(semaphoreA) |
| } | } | } |
| Down(semaphoreD) | | |
| { | | |
| Get_D=Open(resourceD); | | |
| Up(semaphoreB) | | |
| } | | |