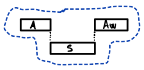
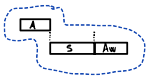
EXACT SOLUTION OF ①, BACKWARD APPROACH

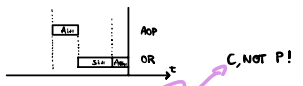
Same variables of above: C_OR, P (Nx2)

OR=0: 

OR=1: 

SUPP → SUPPORT VARIABLE TO FIND AVAILABLE TIME BETWEEN C_A(N+1) AND B_A(N+1))

INITIALIZATION (after reordering...): LAST JOB



N) C_Aw(N) = ∅, OR(N) = 1, C_S(N) = -P_Aw(N), C_A(N) = -(P_Aw(N)+P_S(N))

C_OR = C_A(N), C_AOP = C_A(N)-P_A(N), SUPP = 1000.

① AW(i) ≤ SUPP-C_A(i+1) ⇝ Can i fit Aw(i) in the timeslot available after A(i+1)?

② S(i) ≥ A(i+1) ⇝ Can S(i) fit under A(i+1) by itself?

③ AW(i)+S(i) ≥ A(i+1) ⇝ Can S(i) and Aw(i) fit under A(i+1) together?

④ Aw(i-1)+A(i+1) ≥ S(i)+Aw(i) AND Aw(i-1) ≥ Aw(i) AND i≥1

FOR i IN RANGE(N-2,-1,-1):