Number of jobs = 14

$(P_1, P_2, P_3, P_4, P_5, P_6, P_7, P_8, P_9, P_{10}, P_{11}, P_{12}, P_{13}, P_{14})$.

$= (22, 19, 29, 28, 30, 21, 27, 25, 24, 26, 19, 27, 19, 11)$

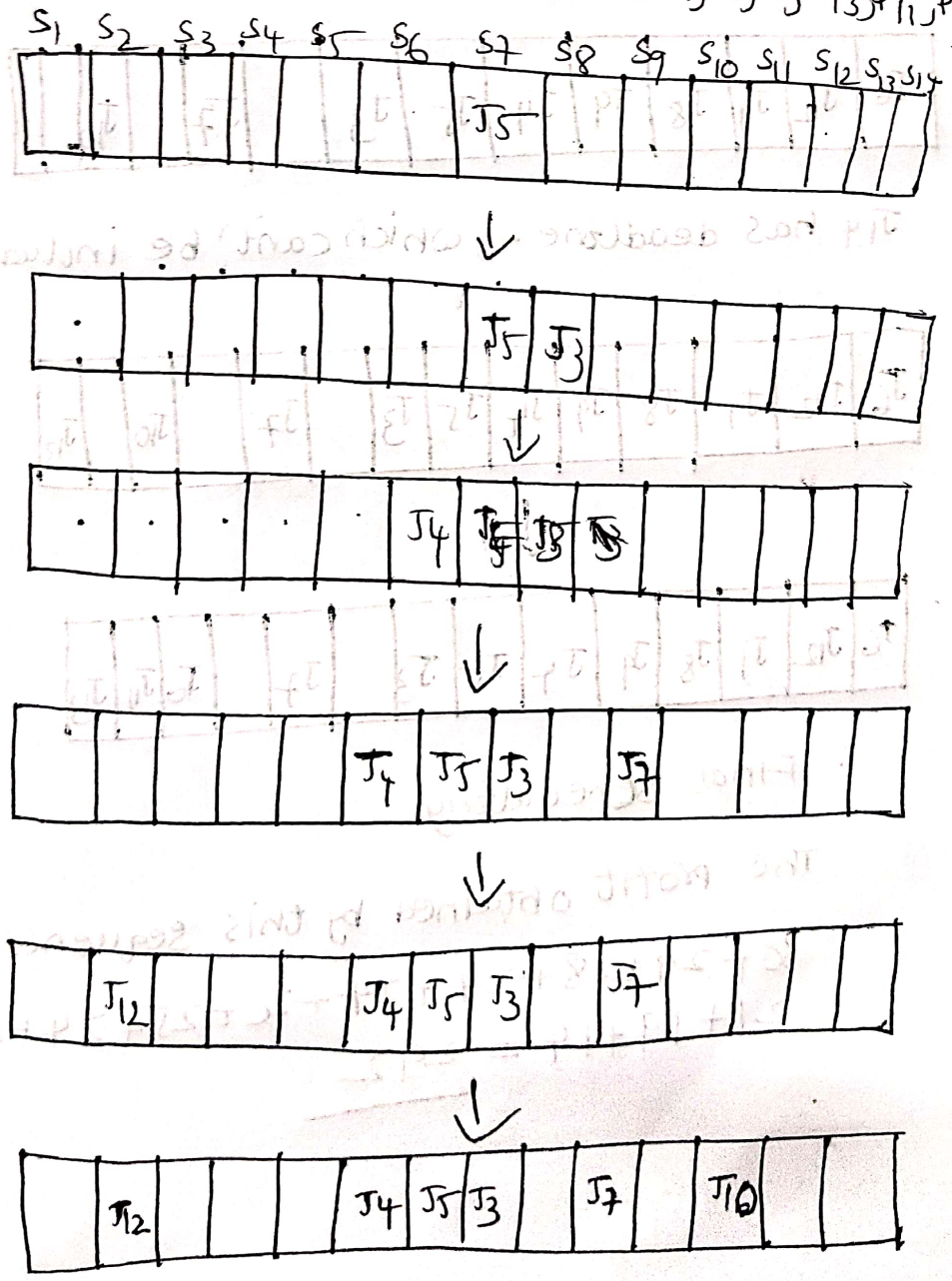
$(D_1, D_2, D_3, D_4, D_5, D_6, D_7, D_8, D_9, D_{10}, D_{11}, D_{12}, D_{13}, D_{14})$

$= (3, 8, 6, 7, 5, 10, 4, 6, 12, 13, 14, 1)$

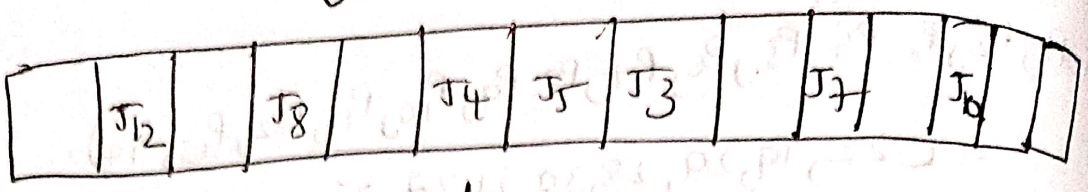
desecending order.

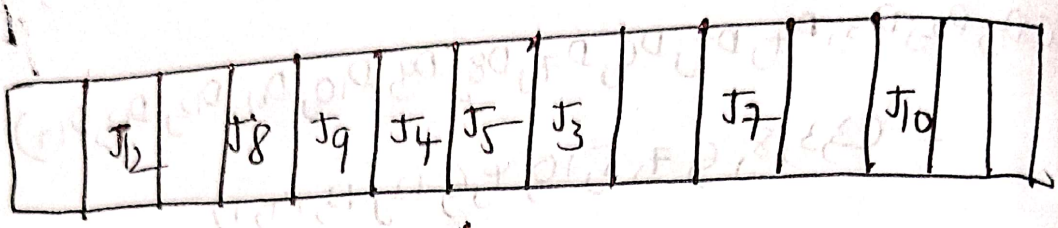
$(30, 29, 28, 27, 27, 26, 25, 24, 23, 21, 19, 19, 14, 11)$

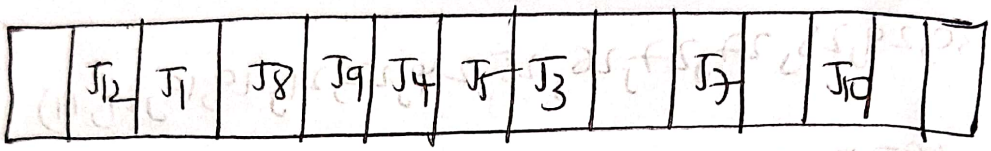
$= (P_5, P_3, P_4, P_7, P_{12}, P_{10}, P_8, P_9, P_1, P_{11}, P_6, P_2, P_{13}, P_{14})$

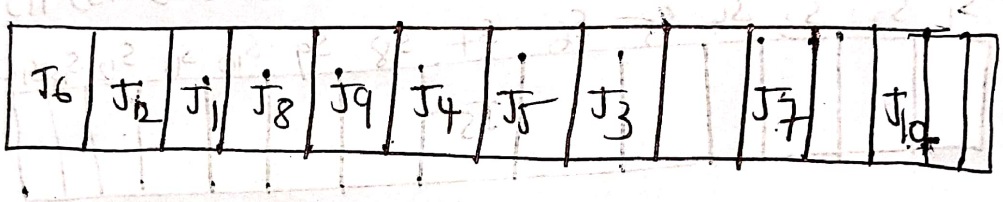


Scanned with OKEN Scanner

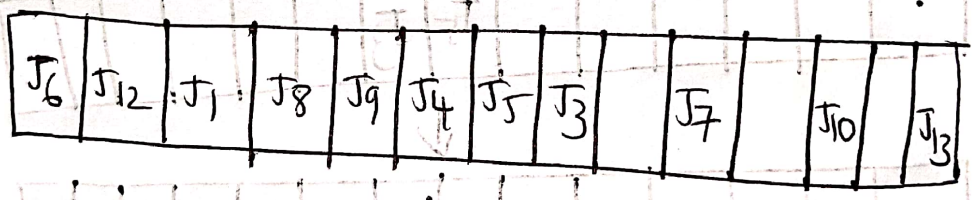


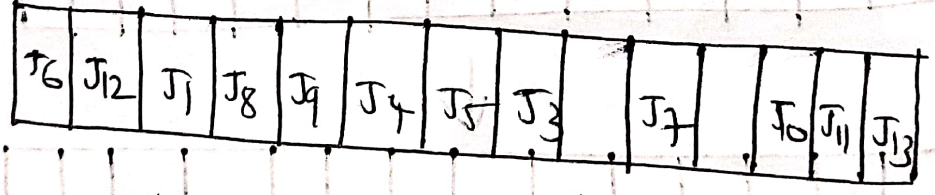






J14 has deadline -3, which can't be included.





Final scheduling

The profit obtained by this sequencing is

$30+29+28+27+26+25+24+22+21+19+14 = 292$