

(7)

Another way of distributing the jobs in the processors will be, putting jobs 1, 6, 7, 8, 9 in the cheapest processor & the remaining jobs, 2, 3, 4, 5 in the second cheapest processor.

Total cost of this assignment will be

$$5C_1 + 4C_2.$$

If  $C_1 = 10$ ,  $C_2 = 20$  and  $C_3 = 40$ , then

$$6C_1 + 2C_2 + C_3 = 60 + 40 + 40 = 140$$

$$\therefore 5C_1 + 4C_2 = 5 \times 10 + 4 \times 20 = 130.$$

Conclusion: The strategy is not guaranteed to produce optimal soln for all problem instances.