

| Job | 1 | 2 | 3 | 4 | 5 | 6 |
|-----------|----|-----|----|----|----|-----|
| Machine A | 30 | 120 | 50 | 20 | 90 | 110 |
| Machine B | 80 | 100 | 90 | 60 | 30 | 10 |

Also find elapsed time for both the machines.

O.R

Obtain optimal solution for the following Transportation Problem
by using MODI Method. (20)

| | A | B | C | D | E | F | Supply |
|--------|----|----|----|----|----|----|--------|
| 1 | 9 | 12 | 9 | 6 | 9 | 10 | 50 |
| 2 | 7 | 3 | 7 | 7 | 5 | 5 | 60 |
| 3 | 6 | 5 | 9 | 11 | 3 | 11 | 20 |
| 4 | 6 | 8 | 11 | 2 | 2 | 10 | 90 |
| Demand | 40 | 40 | 60 | 20 | 40 | 20 | |

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|-----------|----|-----|----|----|----|-----|
| Machine A | 30 | 120 | 50 | 20 | 90 | 110 |
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by using MODI Method.

|        | A  | B  | C  | D  | E  | F  | Supply |
|--------|----|----|----|----|----|----|--------|
| 1      | 9  | 12 | 9  | 6  | 9  | 10 | 50     |
| 2      | 7  | 3  | 7  | 7  | 5  | 5  | 60     |
| 3      | 6  | 5  | 9  | 11 | 3  | 11 | 20     |
| 4      | 6  | 8  | 11 | 2  | 2  | 10 | 90     |
| Demand | 40 | 40 | 60 | 20 | 40 | 20 |        |

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