(d)

Inports 90.

Minimize 50 x /1 + 90 x 12 + 70 x 13 + 60 x 21 + 95 x 22 + 50 x 23

> 5.+.  $X_{11} + X_{12} + X_{13} = 60$   $X_{21} + X_{22} + X_{23} = 50$   $X_{11} + X_{21} + 60$   $X_{12} + X_{22} = 45$   $X_{13} + X_{23} = 30$ all  $X_{ij} = 0$

Exports /

Minimize 150×14+ 180×15+ 130×24+200×25

5.t.  $X_{14} + X_{24} = 80$   $X_{15} + X_{25} = 55$   $X_{14} + X_{15} = 60$   $X_{24} + X_{25} = 50$ all  $X_{14} = 50$