Maximal flow problems are converted to transshipment problems by

- a. adding extra supply nodes
- b. requiring integer solutions
- c. connecting the supply and demand nodes with a return arc
- d. adding supply limits on the supply nodes

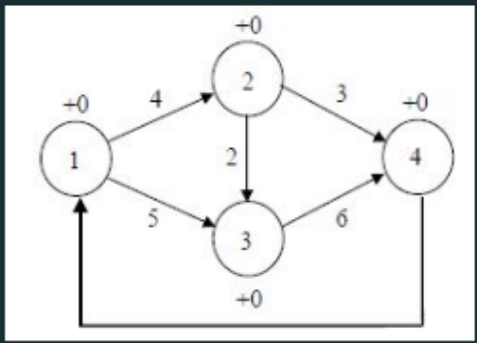
Clear my choice

The number of constraints in network flow problems is determined by the number of

- a. supplies.
- b. demands.
- c. nodes.
- d. arcs.

Clear my choice

What is the objective function in the following maximal flow problem?



- a. MAX X_{14}
- b. MIN X_{41}
- c. MAX X_{41}
- d. MAX $X_{12} + X_{13} + X_{23} + X_{24} + X_{34}$

Clear my choice

The arcs in a network indicate all of the following except?

- a. constraints
- b. routes
- c. paths
- d. connections

Clear my choice

How many constraints are there in a transportation problem which has 6 supply points and 5 demand points? (ignore the non-negativity/integer constraints)

- a. 5
- b. 11
- c. 30
- d. 6

Clear my choice

A factory which ships items through the network would be represented by which type of node?

- a. random
- b. decision
- c. supply
- d. demand

Clear my choice

How could a network be modified if demand exceeds available supply?

- a. remove the extra demand arcs
- b. add a dummy supply
- c. add a dummy demand
- d. add extra supply arcs

Clear my choice