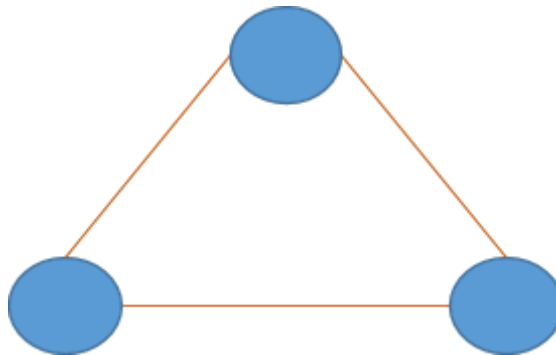


Introduction:

In this worksheet, we'll be looking at puzzles related to spanning trees

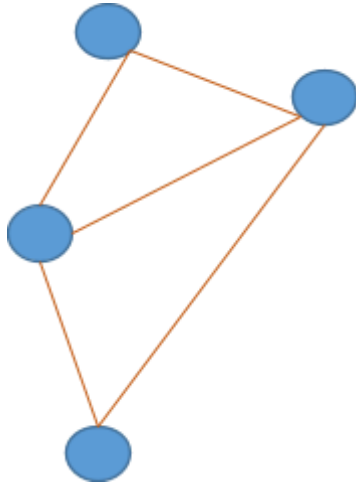
Questions: (* questions can be used for evaluation)

Puzzle 1. Remove a connection such that the loop is broken

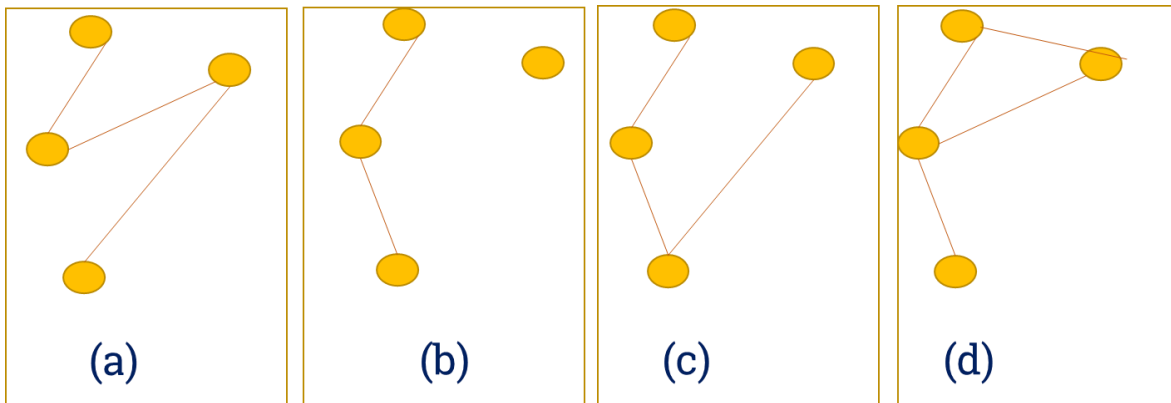


Draw the answer to the puzzle below:

Puzzle 2. Remove a connection such that the loop is broken



Here are 4 proposed solutions:



Which of the above solutions are valid – circle them (more than one can be correct)

(a) (b) (c) (d)

Puzzle 3. Draw any one spanning tree for this diagram in the space given below:

