

HANDOUTS

Each point is to be labeled with A, B, or C.

Can you label this diagram so that no ABC triangles appear?

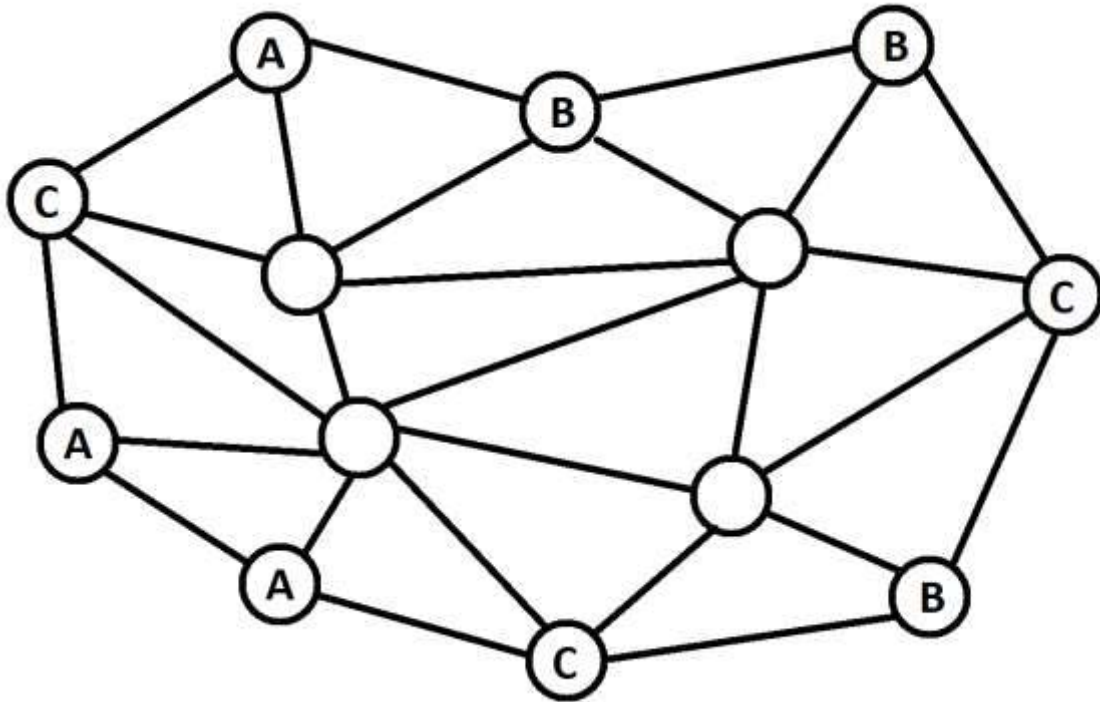


Diagram 1

Okay. How about this diagram?

Again each point is to be labelled A, B, or C and we don't want any fully-labeled ABC triangles to appear.

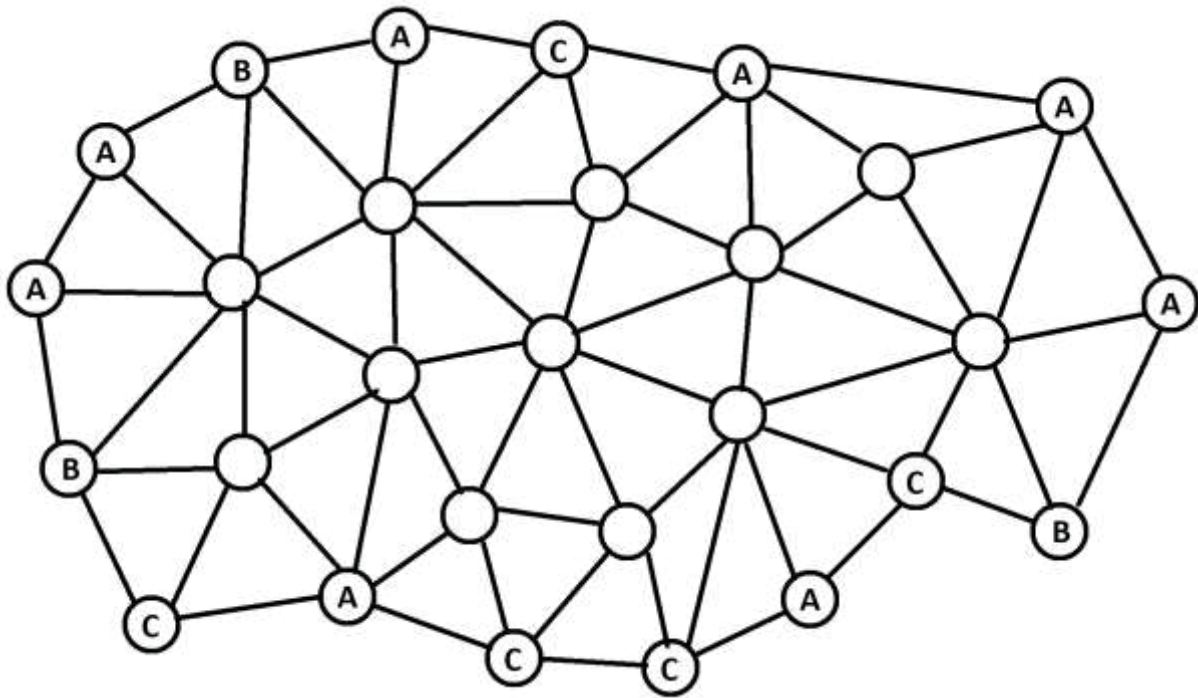


Diagram 2

Okay, I am feeling generous. I will allow for up to SIX fully-labeled ABC triangles in this next diagram, but no more. Can you label each vertex either A, B, or C so that no more than six fully-labeled ABC triangles appear?

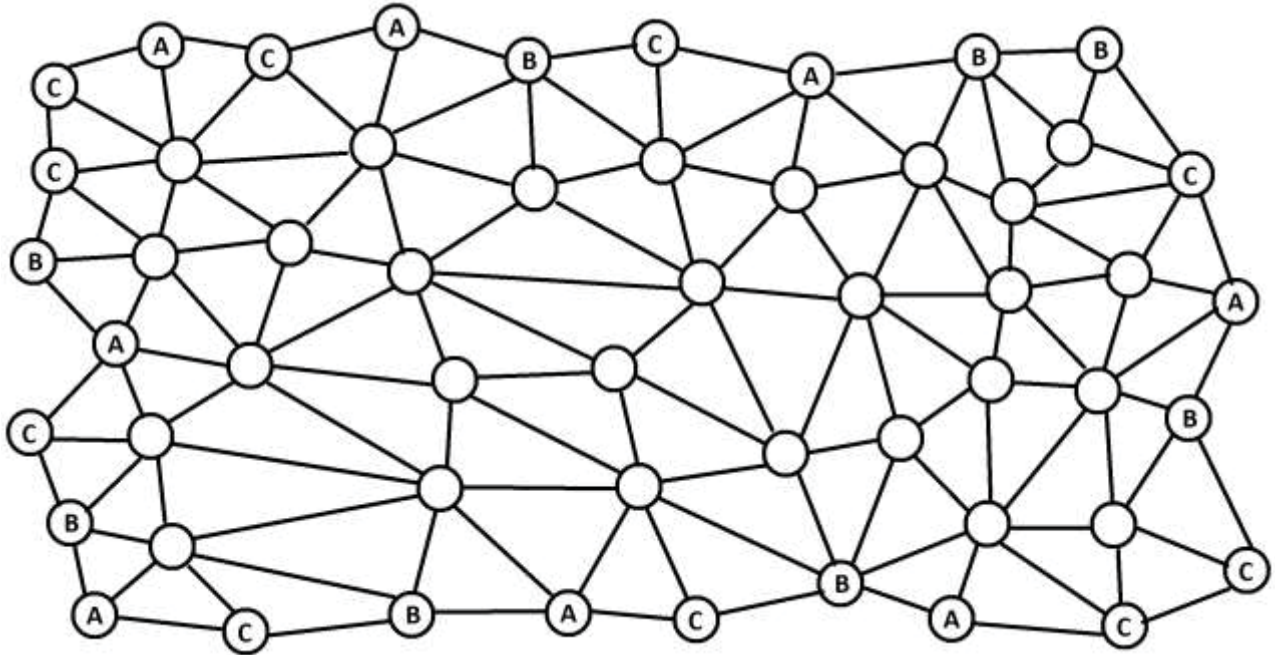


Diagram 3

No fully-labeled ABC triangles?

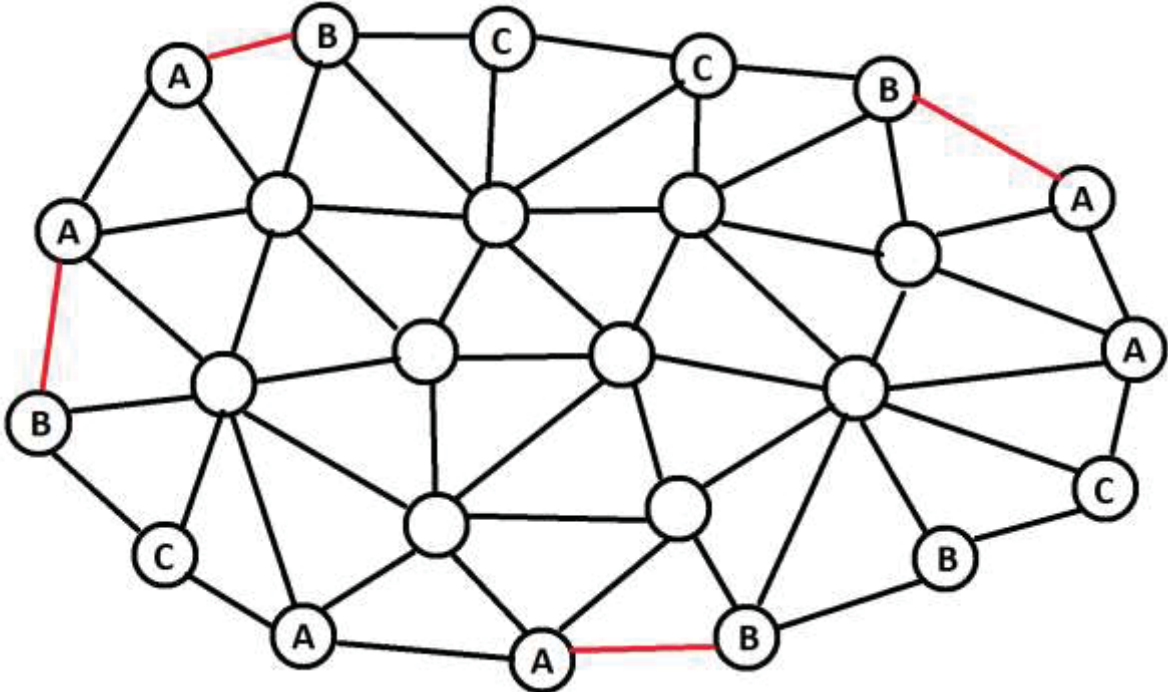


Diagram 4