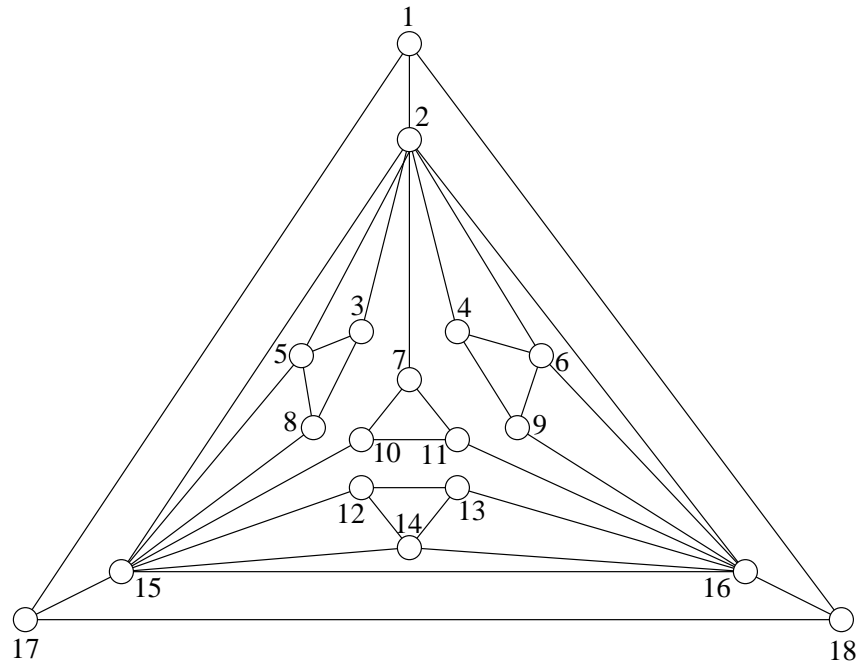


## Matching illustration

A matching  $M$  in a graph  $G = (V, E)$  is a set of edges with no endpoints in common. In the graph below, find a matching of maximum size.



How can you convince someone that the matching you found is indeed of maximum cardinality?