

1. Click on edges to construct a graph without cliques of size 3 and independent sets of size 3. (A clique of size  $k$  is a set of  $k$  nodes any two of which are joined by an edge. Similarly, an independent set of size  $k$  is a set of  $k$  nodes any two of which are not joined by an edge)



It's impossible

Check

Reset

2. Click on edges to construct a graph without cliques of size 3 and independent sets of size 3. (A clique of size  $k$  is a set of  $k$  nodes any two of which are joined by an edge. Similarly, an independent set of size  $k$  is a set of  $k$  nodes any two of which are not joined by an edge)

1 point



It's impossible

Check

Reset