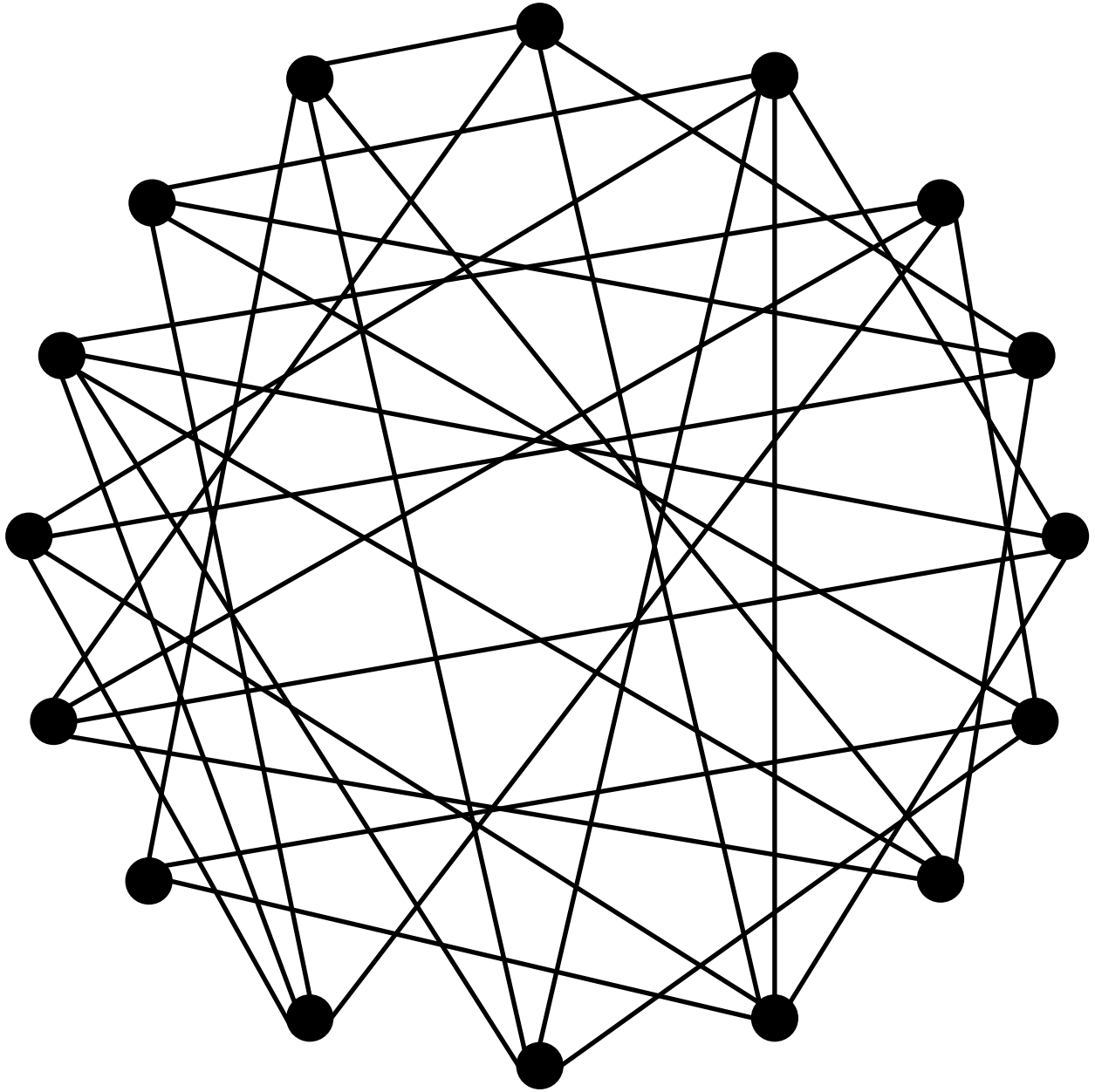
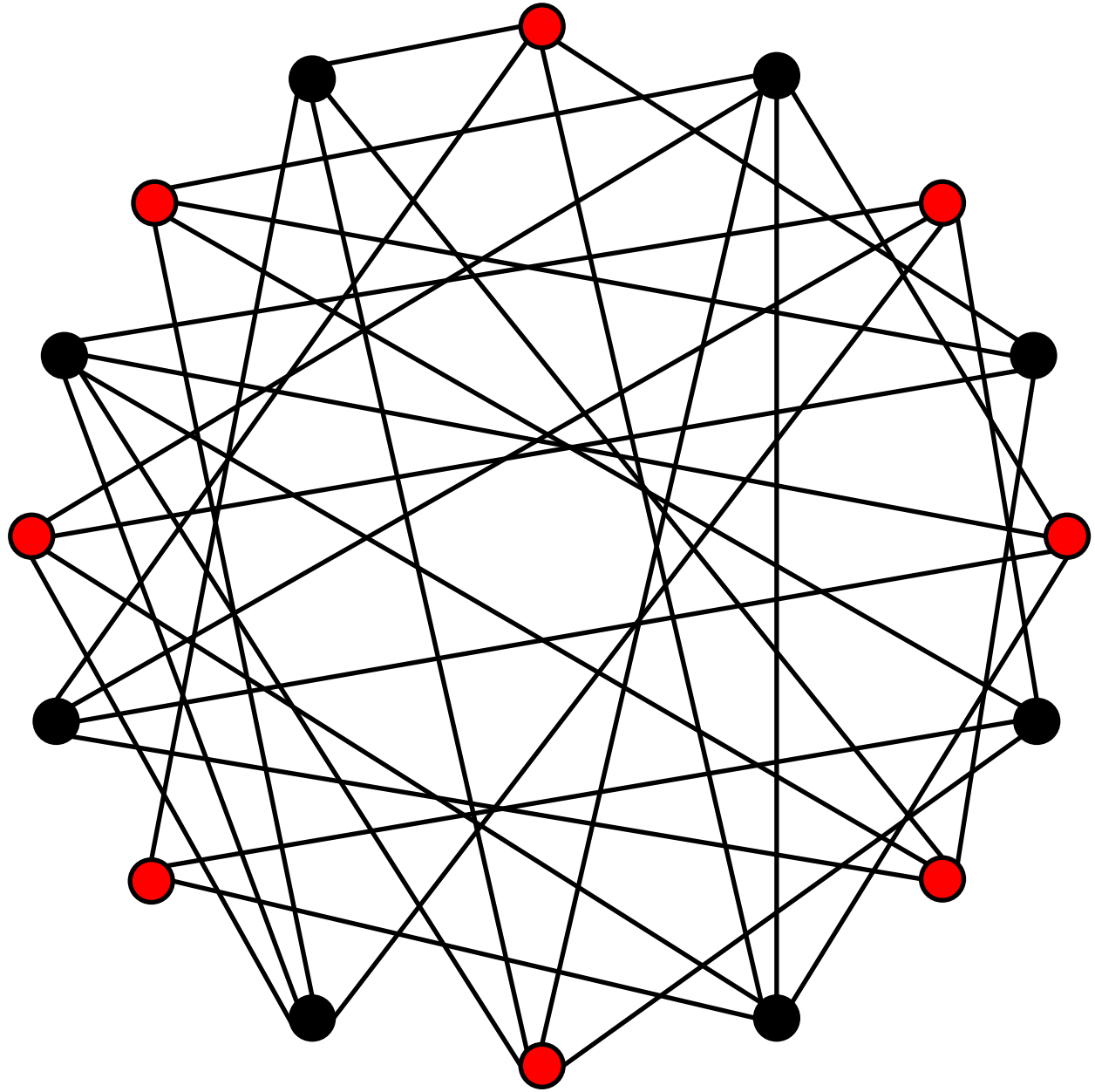
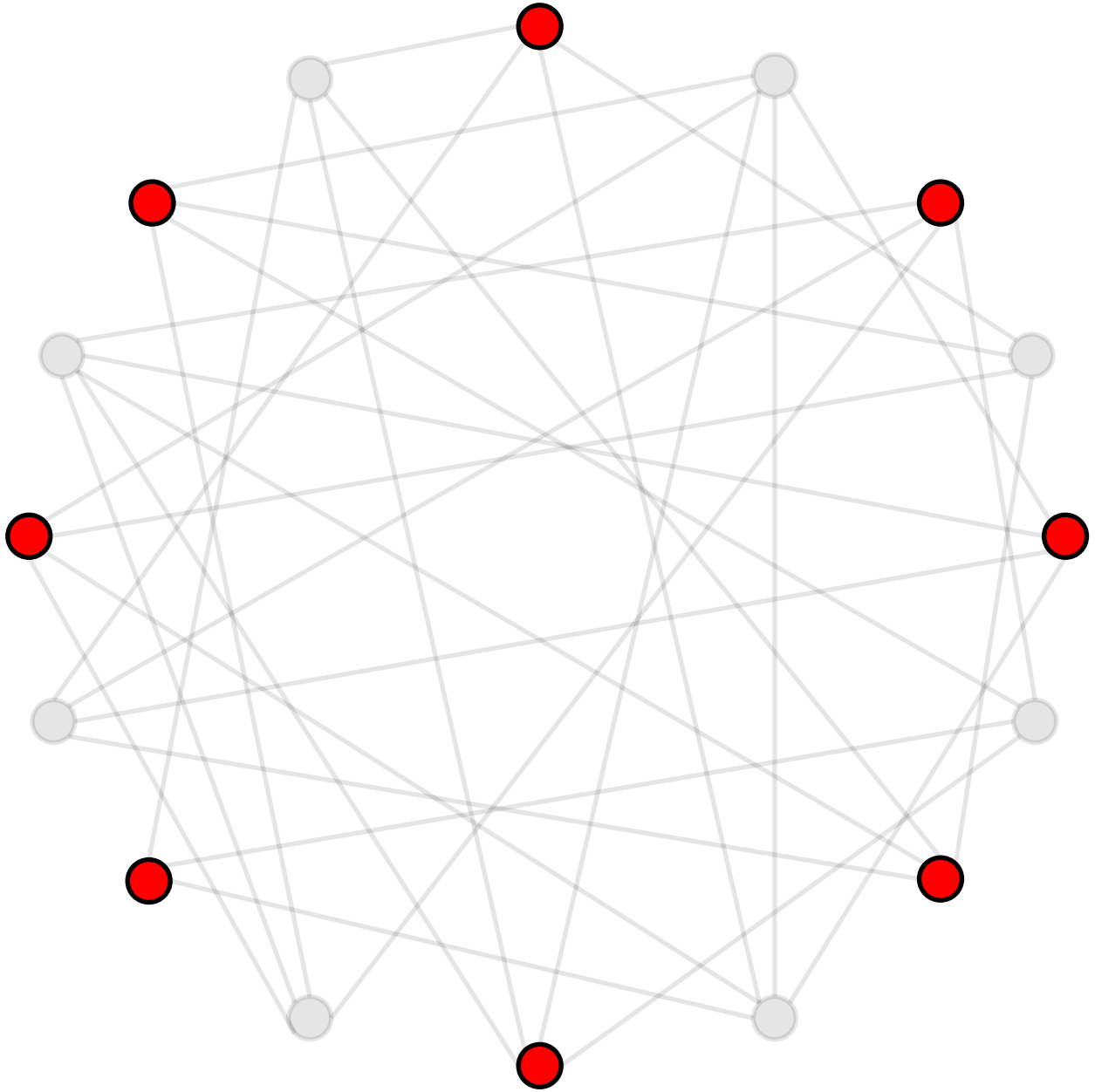
Does this 16-node graph have 8 nodes no two of which are connected by an edge?

$$\binom{16}{8} = 12{,}870$$







Deciding if there is a needle in the haystack is hard!

Verifying that there is a needle in the haystack is easy!