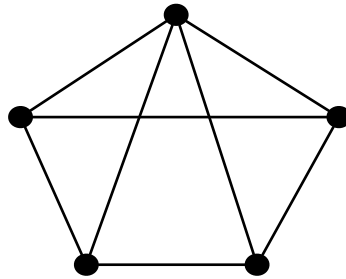
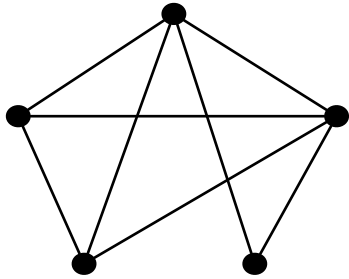


► **Problem DM-6.6-06** Determine all possible degree sequences for graphs with five vertices containing no isolated vertex and eight edges.

Solution. The degree sequences are $2, 3, 3, 4, 4$ and $3, 3, 3, 3, 4$. Their corresponding graphs are shown as follows.



□