TCTATATCTCGGCTCTAGG

| | | | | | | | | | | | | | |

TATCTCGACTCTAGGCC

TCTATATCTCGGCTCTAGG
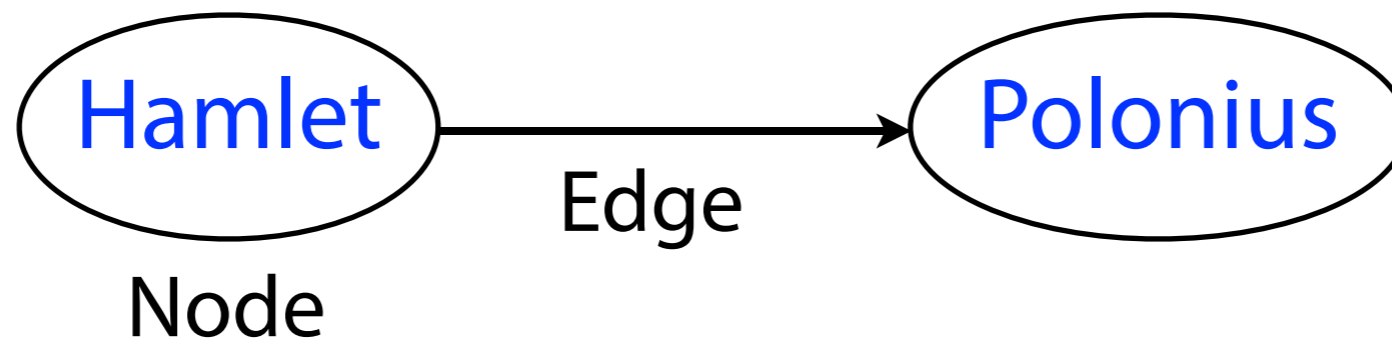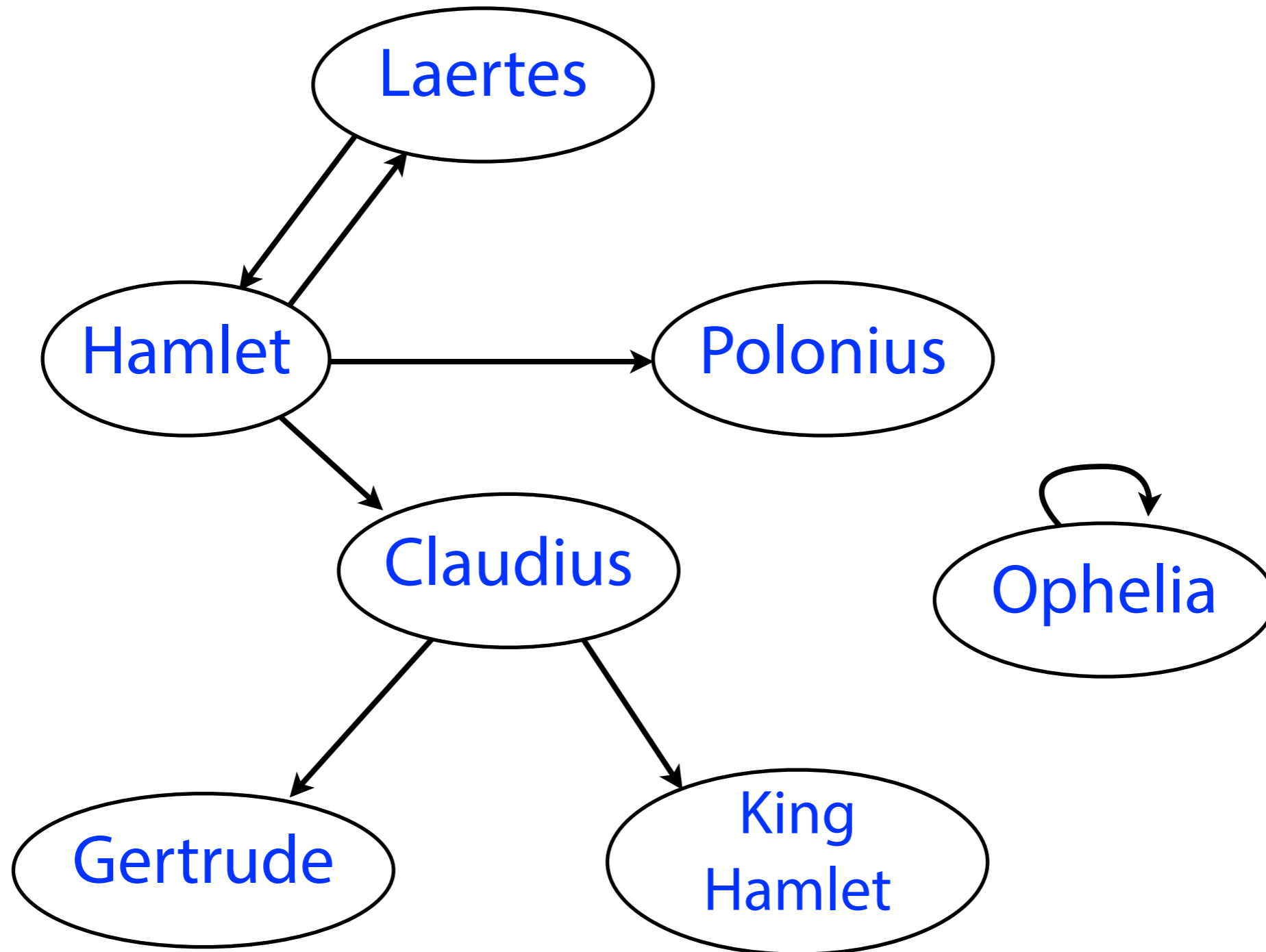| | | | | | | | | | | | | | | |
TATCTCGACTCTAGGCC

TATCTCGACTCTAGGCC
| | | | | | | | | | | | | |
CTCGGCTCTAGCCCCTCAT

Directed graph

Directed graph

Overlap graph

Each node is a read

CTCGGCTCTAGCCCCTCATTTT

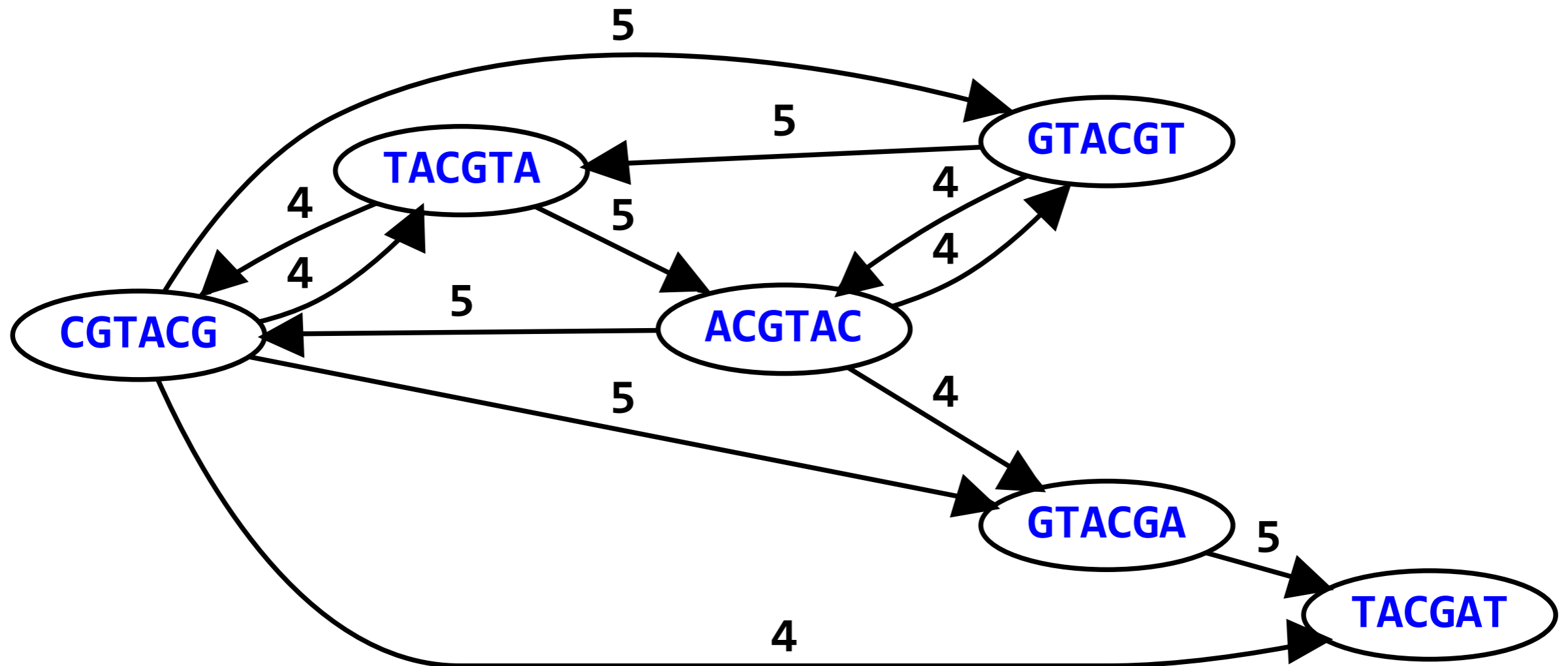Draw edge A -> B when suffix of A overlaps prefix of B

CTCGGCTCTAGCCCCTCATTTT

GGCTCTAGGCCCTCATTTTTT

Overlap graph

Nodes: all 6-mers from GTACGTACGAT

Edges: overlaps of length ≥4

Overlap graph

Nodes: all 6-mers from GTACGTACGAT

Edges: overlaps of length ≥4