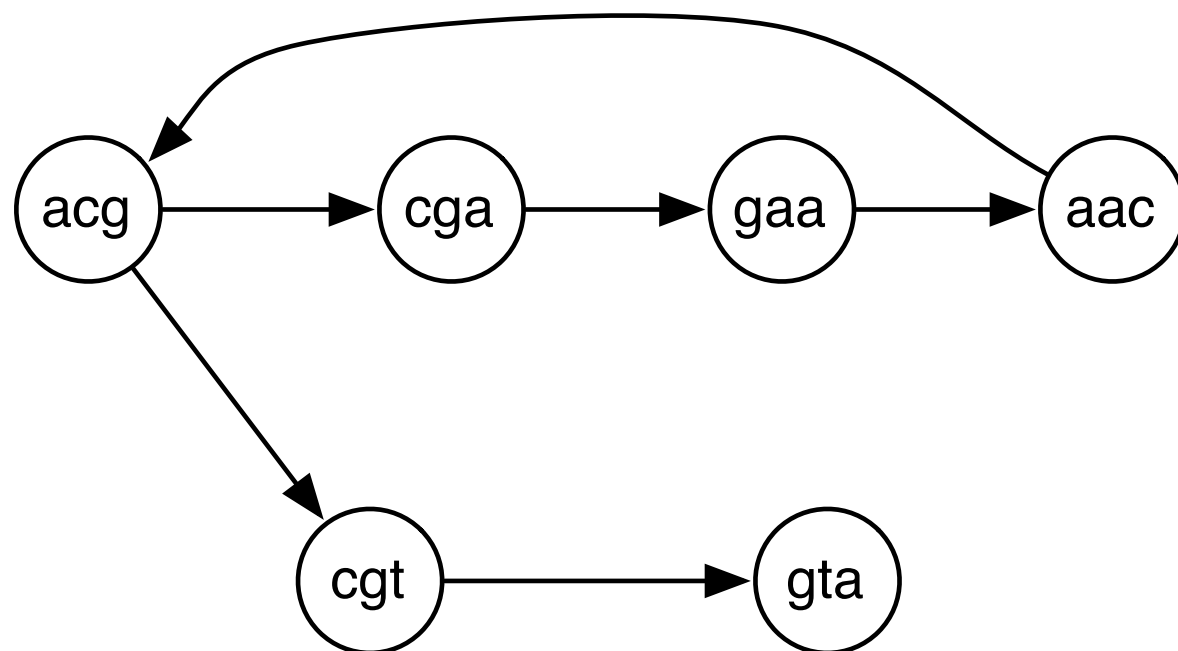


Assembly via Eulerian Path



acgaacgta

Let $dG(s)$ be the de Bruijn graph of string s . Then s corresponds to some Eulerian path in $dG(s)$.

A directed graph has an Eulerian path if and only if:

- One node has one more edge leaving it than entering
- One node has one more edge entering than leaving
- All other nodes have the same number of edges entering and leaving

How can we find such a path?