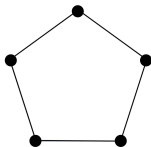


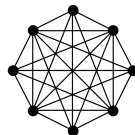
# Selected graphs: cycle and complete



**Cycle graph  $C_y(N)$**

Worst case scenario

- Search problem is **not solved** with the standard quantum walks approach



**Complete graph  $C(N)$**

Best case scenario

- Search problem **solved** with standard quantum walks approach
- The equivalent *unstructured search* is **solved** with the local adiabatic evolution