

# Navigation: Visibility graphs

The reduced visibility graph

# Reduced visibility graph

Consider an edge in the visibility graph between obstacle vertices.

- Extend that edge into a full line.
- Inspect one of the endpoints of the edge. Do the two obstacle edges lie on opposite side of the extended line? If so, eliminate that edge.
- Repeat for the other endpoint.

The result is called a **reduced visibility graph**.

# Reduced visibility graph

