Doubly-connected edge list

Vertex v

Edge(v)

Half-edge e

IncidentFace(e)

Prev(e)

Origin(e) Next(e)

e

Twin(e)

Face f

InnerEdges(f)

OuterEdge(f)
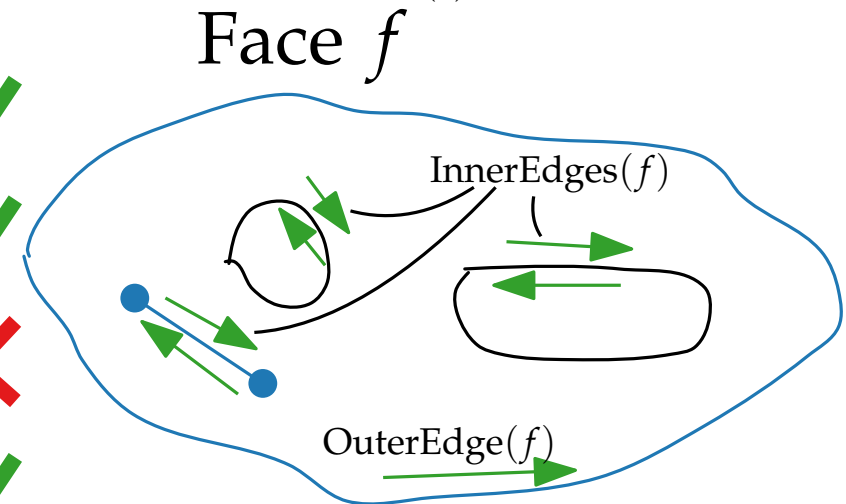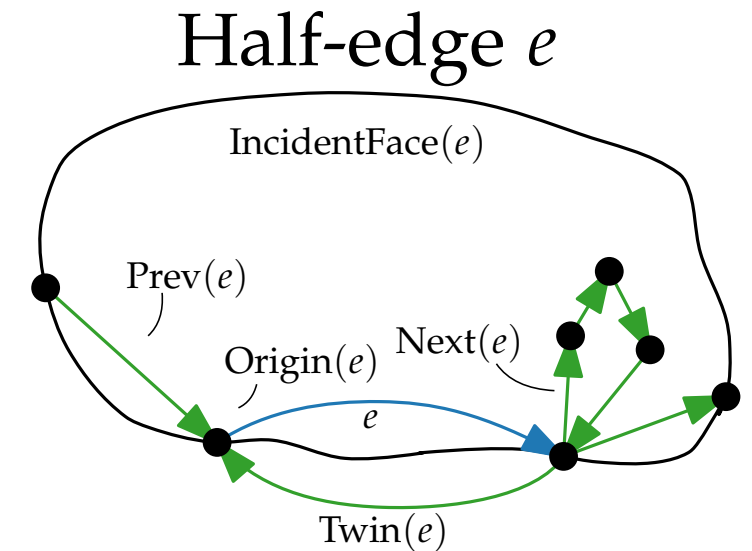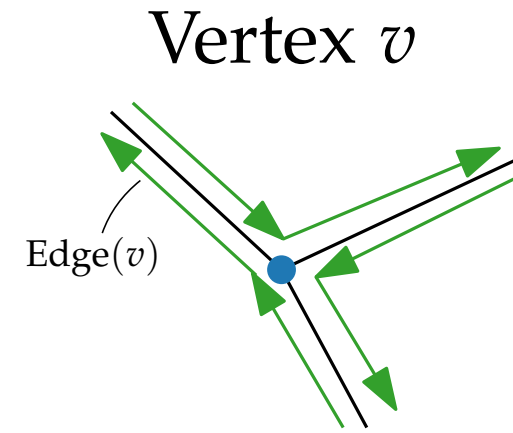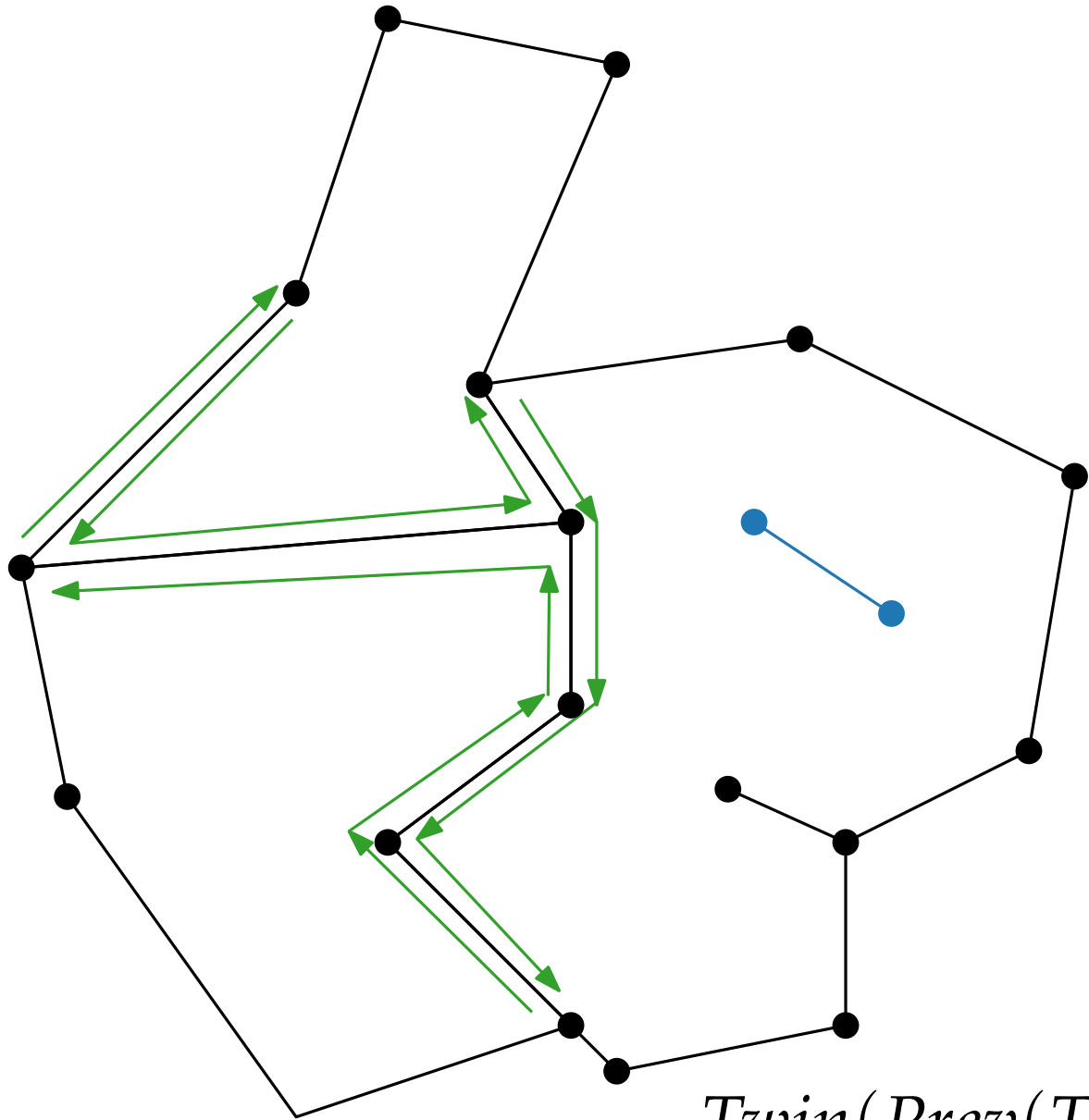
$$Twin(Twin(e)) = e \checkmark$$

$$Next(Prev(e)) = e \checkmark$$

$$Twin(Prev(Twin(e))) = Next(e) \times$$

$$IncidentFace(e) = IndicentFace(Next(e)) \checkmark$$