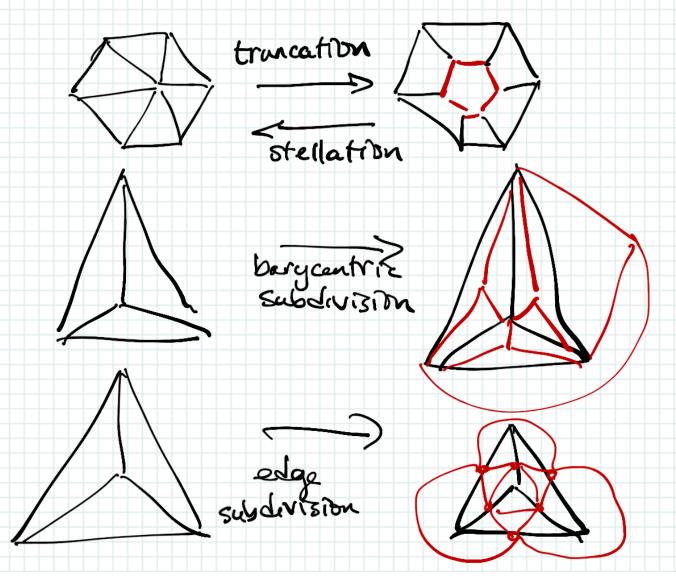
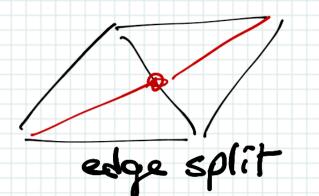
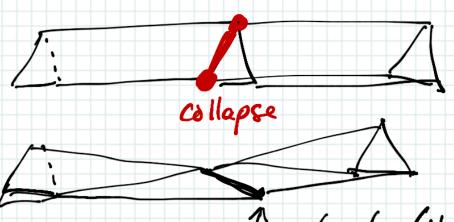


face collapse - vertiles combine it doesn't reverse





After an operation, is the mesh still manifold? adding is usually OK deleting?



1 puch edge (4 copies)

An Eulevan operator is one that preserves the manifold

vertex collapse is usually safe

Solution 1: test before you collapse

Solution 2: prove it is safe

Theorem: an edge collapse of (p.g.) in Eulevian iff

Theorem: an edge collapse of (pig) is Eulerian iff

a) edge pg is on the boundary of the wesh

iff P& gare on the boundary

b) treNi(pig), JD pgr