

Additional information on the implementation of Loop's subdivision scheme

- Loop's subdivision scheme is implemented in `meshtools.cpp`
- The files `mesh.cpp` and `objfile.cpp` don't have to be edited. Twins for HalfEdges on the boundary are already there.
- You'll spot some `nullptr` arguments in the code, this (usually) means that certain neighbour information is not available at that point. It also means that the pointer will have to be updated at a later point!
- Certain HalfEdges are referred to by indices s and t (and $2s$, $2s + 1$, $2t$ and $2t + 1$). The diagram in Figure 1.1 shows an overview.

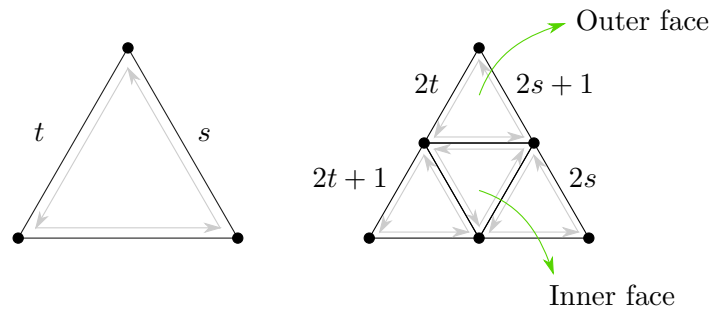


Figure 1.1: One step of Loop subdivision for a single triangle. HalfEdges are highlighted in grey.