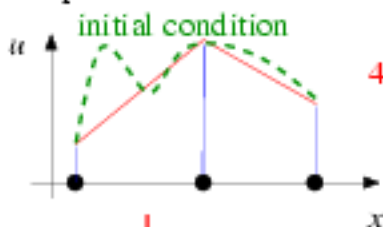
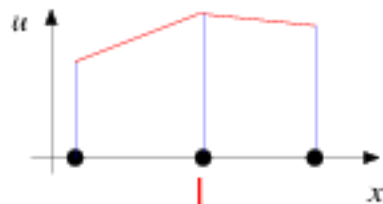


FE representation of initial condition, $t=0$



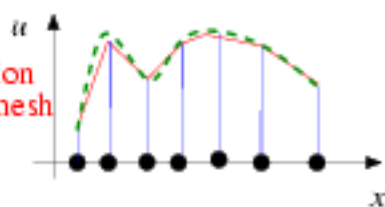
1. Advance solution to $t = dt$

Computed solution at time $t = dt$



2. Obtain spatial error estimate

FE representation of initial condition, $t=0$



3. Adapt mesh

5. Advance solution to $t = dt$

Computed solution at time $t = dt$



4. Re-generate FE representation
of initial condition on new mesh