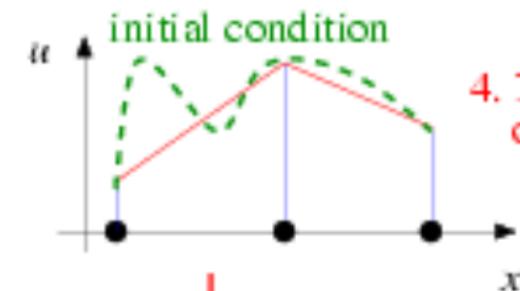
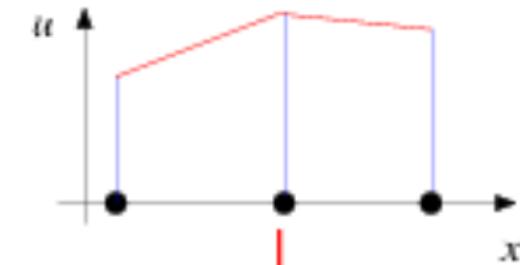


FE representation of initial condition, $t=0$



1. Advance solution to $t = dt$

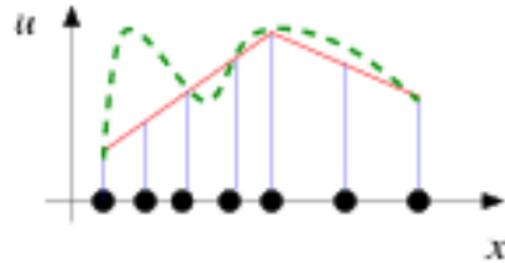
Computed solution at time $t = dt$



2. Obtain spatial error estimate

4. Interpolate FE representation of initial condition onto new mesh

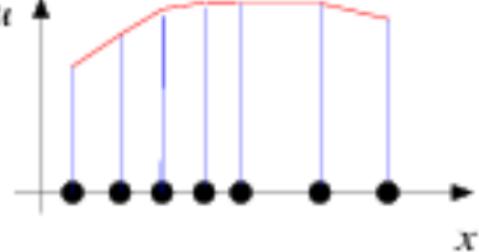
Interpolation of FE representation of initial condition



3. Adapt mesh

5. Advance solution to $t = dt$

Computed solution at time $t = dt$



2. Obtain spatial error estimate