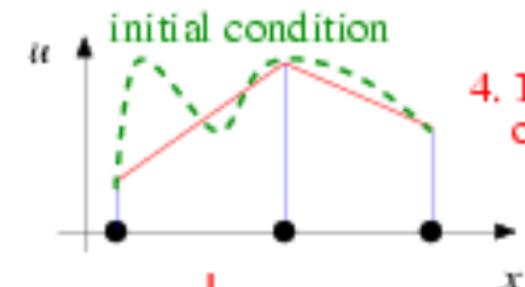
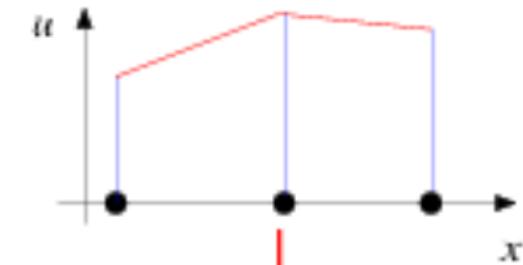


FE representation of initial condition,  $t=0$



1. Advance solution to  $t = dt$

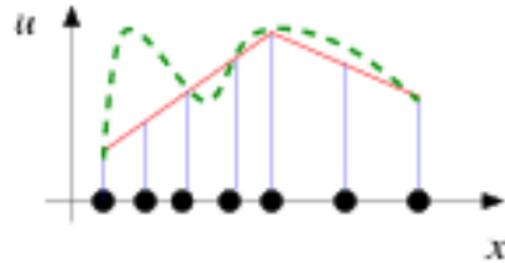
Computed solution at time  $t = dt$



2. Obtain spatial error estimate

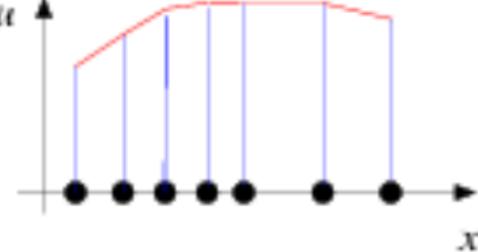
4. Interpolate FE representation of initial condition onto new mesh

Interpolation of FE representation of initial condition



3. Adapt mesh

Computed solution at time  $t = dt$



5. Advance solution to  $t = dt$