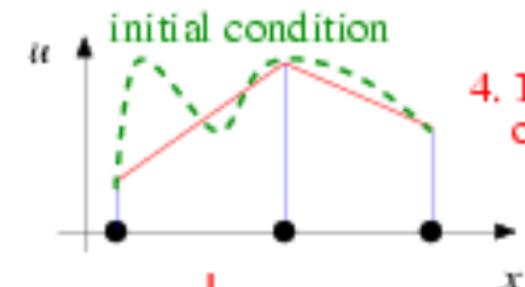
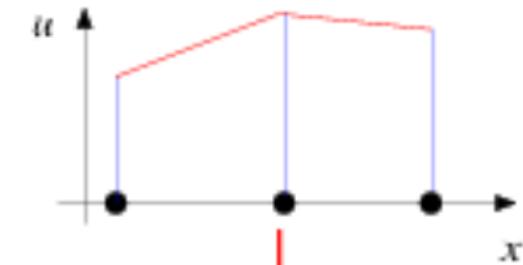


FE representation of initial condition, $t=0$



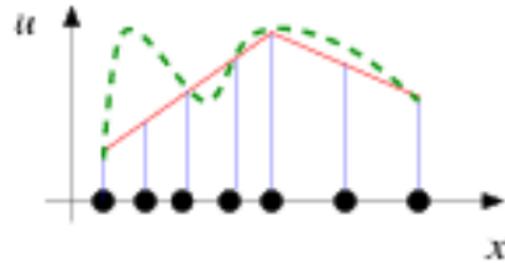
1. Advance solution to $t = dt$

Computed solution at time $t = dt$



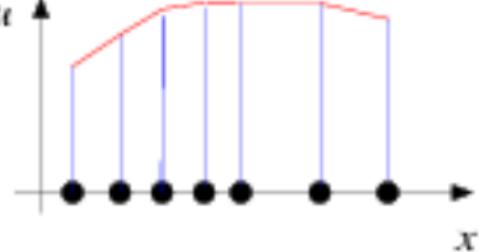
2. Obtain spatial error estimate

Interpolation of FE representation of initial condition



3. Adapt mesh

Computed solution at time $t = dt$



5. Advance solution to $t = dt$