

FE representation of initial condition,  $t=0$

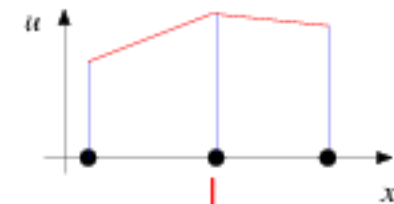


4. Re-generate FE representation of initial condition on new mesh

FE representation of initial condition,  $t=0$



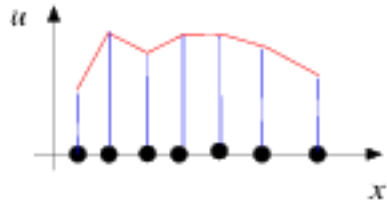
Computed solution at time  $t = dt$



2. Obtain spatial error estimate

3. Adapt mesh

Computed solution at time  $t = dt$



5. Advance solution to  $t = dt$