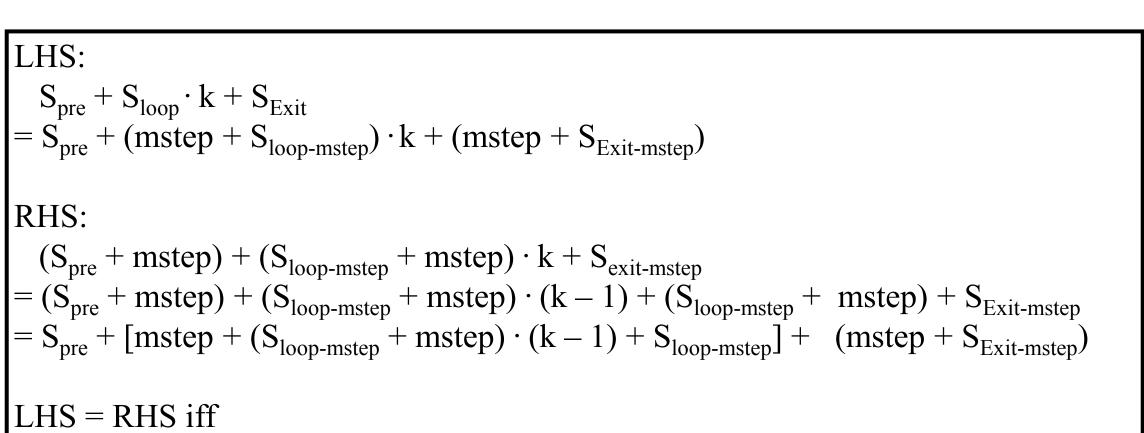


> Requires complex induction



 $(mstep + S_{loop-mstep}) \cdot k = [mstep + (S_{loop-mstep} + mstep) \cdot (k-1) + S_{loop-mstep}]$

[Proved by Induction]

