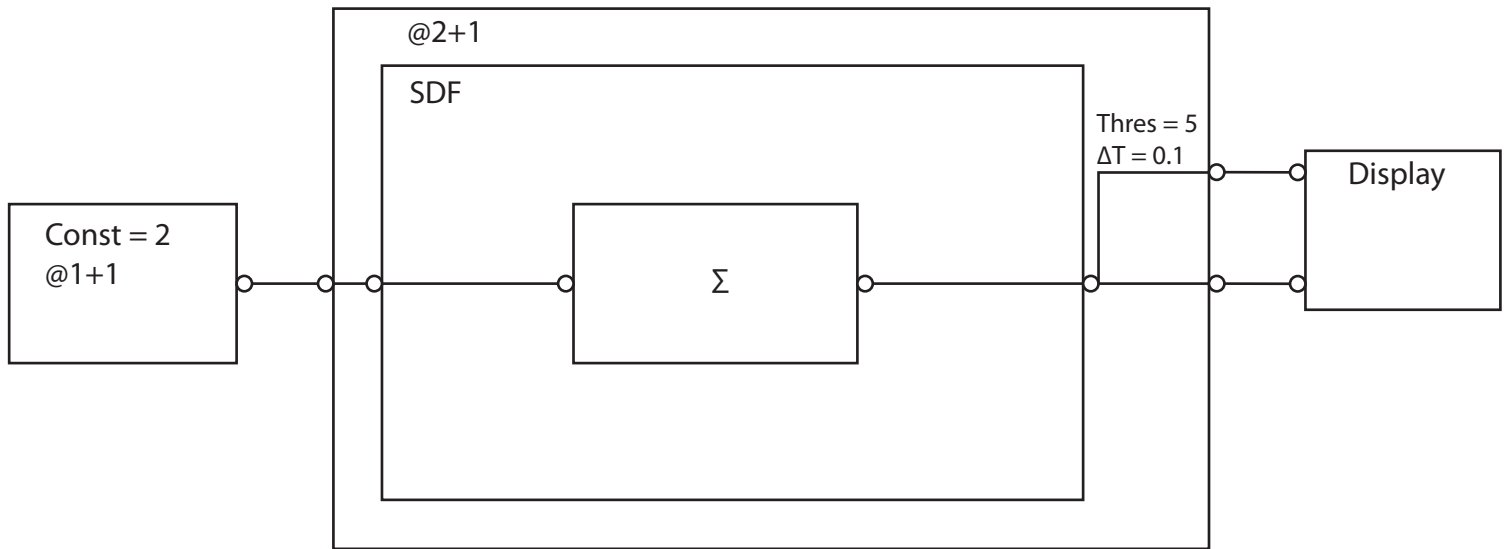


DE



Update of SDF model @ 2 3 4 5 6 7 8 9
output = 2 4 6 8 10 12 14 16

Observed output:

Update at 2.0
disp in 2 = 2.0 @ time 2.0
Update at 3.0
disp in 2 = 4.0 @ time 3.0
Update at 4.0
Interpolation at 3.5
disp in 2 = 5.0 @ time 3.5
disp in 1 = 1.0 @ time 3.5
Update at 4.0
disp in 2 = 6.0 @ time 4.0

Update of interface block: when output goes from 4 to 6, the threshold is crossed with $\Delta T=1 \Rightarrow$ interpolate to have an output at the threshold with $\Delta T \leq 0.1$
At time 3.5, the top output is 1.0 (threshold reached upwards) and the bottom output has an interpolated value of 3.5

Update at 5.0
disp in 2 = 8.0 @ time 5.0
Update at 6.0
disp in 2 = 10.0 @ time 6.0
Update at 7.0
disp in 2 = 12.0 @ time 7.0
Update at 8.0
disp in 2 = 14.0 @ time 8.0
Update at 9.0
disp in 2 = 16.0 @ time 9.0