before coin toss after coin toss $oldsymbol{\omega} = (oldsymbol{H}, oldsymbol{H}), x = 2$ p(2) = 0.25p(1) = 0.5 $\rightarrow \omega = (\boldsymbol{H}, \boldsymbol{T}), x = 1$ p(0) = 0.25 $\omega = (\boldsymbol{T}, \boldsymbol{T}), x = 0$