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