before coin toss   after coin toss

$\omega = (\boldsymbol{H}, \boldsymbol{H}), x = 2$

$p(2) = 0.25$

$p(1) = 0.5$

X

$\omega = (\boldsymbol{H}, \boldsymbol{T}), x = 1$

$p(0) = 0.25$

$\omega = (\boldsymbol{T}, \boldsymbol{T}), x = 0$