initial state

S_0

$\ell_0 = (0, 0, 0.5)$
x y c

$\ell_1 = (0.6, 0.7, 0.3)$

$\ell_2 = (0.8, 0.5, 0.2)$

S_1

S_2

RNN

RNN

R

U_0

U_1

U_2