## Homework 3:

Grupo 27 97040 Rostislav Andrew 97155 Joan Apartais

(a) 
$$X = \{1, 2a, 2b, 3, 46\}$$
  
 $A = \{a, b, c6\}$   
 $X = \{1, 2, 3, 46\}$ 

$$(C)$$
  $5_{t} = [0 0.5 0.5 0.5 0.7]$ 

After selecting action a

$$\hat{A}_{t+1} = b_t P_a = [0 \ 0.5 \ 0.5 \ 0.5 \ 0.0] [0 \ 0.5 \ 0.5 \ 0.0] [0 \ 0.5 \ 0.5 \ 0.0] [0 \ 0.5 \ 0.5 \ 0.0] [0 \ 0.5 \ 0.5]$$

$$= [0 \ 0 \ 0.5 \ 0.5 \ 0.5]$$

After selecting action b

$$\hat{A}_{t+1} = b_t P_b = [0 \ 0, 5 \$$

After selecting action c Given that Po=Pc we get QE+1=PFB=[10000]