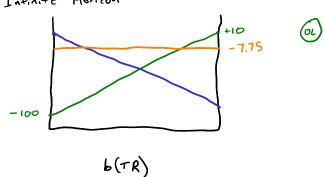
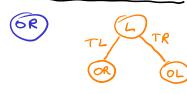
"Terminal Tiger POMDP"

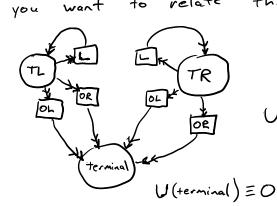
Problem terminates on/after OL or OR

for a terminal action  $U^a(s) = R(s,a)$ Infinite Horizon





terminal relate this to states 10 ΙŦ want



$$U^{\circ L}(s) = R(s, oL) + YU(terminal)$$

$$= R(s, oL)$$

b <

Find pure Nash Equillibria:

(c,c) is the only pure Nash equilibrium.

$$\pi^{1}(c) = 0.3$$
  $\pi^{2}(c) = 0.02$  is a mixed N.E.  $\pi^{1}(b) = 0.7$   $\pi^{2}(b) = 0.98$ 

Pl has to be indifferent  

$$5\pi^{2}(6) + 6\pi^{2}(c) = u$$
 for Pl playing X

$$3\pi^{2}(b) + 1\pi^{2}(c) = 4 \leftarrow payoff$$
  
 $\pi^{2}(b) + \pi^{2}(c) = 1 \qquad for P1 playing Y$ 

Pl indifferent

P1:5
$$1\pi^{2}(s) + 3\pi^{2}(T) = 4$$

$$0\pi^{2}(s) + 2\pi^{2}(T) = 4$$

$$\pi^{2}(s) + \pi^{2}(T) = 1$$

$$\pi^{2}(s) + \pi^{2}(T) = 0$$

$$\pi^{2}(s) + \pi^{2}(T) = 1$$

