Lect3 - Example 1

Q: decision PI D2 P3

State S<sub>1</sub> S<sub>2</sub> S<sub>3</sub>

 $S_1$   $S_2$   $S_3$   $O_1$  -25 O 35

P2 -10 5 15

P3 8 8

(a) Q: pessimism

Solution Maximin, so compare to -25<-10<8 choose D3

(b) Q: optimism

Solution Maximax

35 > 15 > 8

choose Di

cc) O: Hurwicz

Cop1 = 0-4

(e) laplace

Solution maximum expeted pay off

assume probability is  $\frac{1}{3}$ strategy expected return

D1 (-20+0+35/3=10/3)

P2 (-10+3+15)/3=10/3

P3 (8+8+8)/3=8 = maximus

Lhoose Dz