1. for seda, hy, pi=pi+ni

unere pr = pr + 1; , pac pr

and  $1: \sim W(0, 0^{2})$   $v: \sim W(0, 0^{2}v)$ Car(1, v) = 0

police stops can ij1

E[pip,r] > p\* > pn

a) given li is normally distributed

pr ~ N(pr, 02) and pi = pr + e; + v; ~ N(pr, 52 + 52)

re from the conditional distribution of two normally distributed random variable

L) 
$$P(E[p; | \hat{p}; | r] | 7 p^*)$$

= 1 -  $P(E[p; | \hat{p}; | r] | 7 p^*)$ 

= 1 -  $P(\hat{p}; | r] | 7 p^* | 7 p^*$ 

$$\mathbb{E}\left[pi\left[pi,r\right]=1-\left(\frac{\left(\sigma e^{2}+\sigma n\right)^{1/2}\left(p^{2}-p^{2}n\right)}{\sigma e^{2}}\right]$$

d nine type en drives one more lively to earry drugs, The probability of making a

Correct highs	call	holdn	i pi	consta	not is	
<i>' ' '</i> '						

2. the Wility of Implays is in

ui = f(la+lu) - Rala - Rh(1+9i) lh

where 9i ~ U(a, h)

man u; 2.1. la, la > 9
He, Luy

1= N: - 1a(-la) - 14(-la)

FOC,:

1' - Ra + Na = 0 1' - Ru (1+0i) + Nu = 0

a) from 11/2T

(1) y haro and hu=0, => lhro 1'= Nh(1+ai)

1a= Ra- Ru(1+ai) > 0

ha > Ru (1+0:)

(2) ig ha=0 and hh>9, => Lu>9
Ru<Rh(1+0i)

(3) ig /a = /n = 0

Ra

menters when

Ra > Ru (1+0i)

Itai & Ra

Nh

~

hence, the propertion of employer him

P(015c) = c - a

and each of they prins will him h martins such that

11(cu) = Ru (1+9;)

Tr= (1.1 (Vr (1+8:1)

L1 E[0:]=1(a+w)

Į

higher brepectation implies that the marginal disci mi not as will be more prejudiced, see the ways of

tupe he moners will be lower

Van (ai) = 1 (b-a)

11

P(A; Sc) is strictly decreasing in

c) law relation supply of type he markers marginal that the marginal dicionination is less projections, which

## simply higher wags, and vinitarly for

a) they is widne from fill superiment, much us treatment and mullown athon, which shows oghered and rature building for disease mi nation in labour modules

Charles and Guryan (2008) shows that a tasty land model can supplied the data, in particular units respect to The marginal distribution and the supply would