$$E_{y|x}[L(0,y)] > E_{y|x}[L(1y)]$$

$$= P(y|x) L(0,y) > P(y|x) L(1,y)$$

$$P(y=0|x) L(0,0) > P(y=0|x) L(1,0)$$

$$+ P(y=1|x) L(0,0) > P(y=0|x) L(1,0)$$

$$P(y=1|x) > P(y=0|x)$$

$$P(y=0|x)$$

[(,)] (a. - p 1)