$$\frac{P(Z_{i}|X_{i})}{Z_{i}} = \frac{(Z_{i}-Z_{exp})^{2}}{Z_{i}}$$

$$\frac{P(Z_{i}|X_{i})}{Z_{i}} = \frac{P(Z_{i}|X_{i})P(X_{i})}{Z_{i}}$$

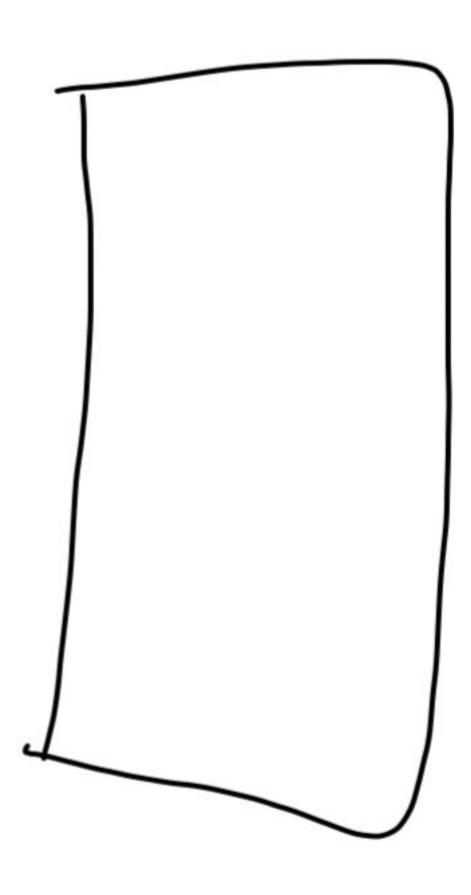
$$= \frac{P(Z_{i}|X_{i})}{Z_{i}} = \frac{P(Z_{i}|X_{i})P(X_{i})}{Z_{i}}$$

$$P(X_{1}|X_{1}) = 0.96$$

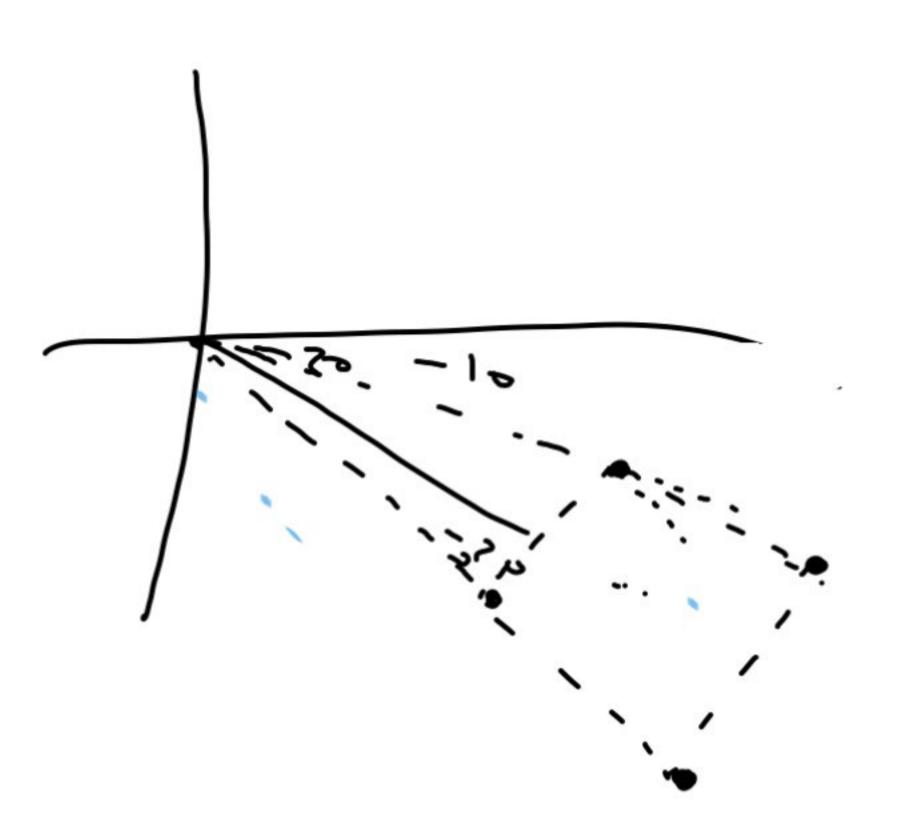
$$P(X_{2}|X_{1}) = 0.96$$

$$P(X_{3}|X_{1}) = 0.975$$

$$P(X_{3}|X_{1}) = 0.97$$



 $X = \frac{3}{3} (\cos(-20) = 2.81)$ y= 3 Sm(-20) = -1.026 0, -- 50 a y=1000-30 105120



$$P(c_{i}|d) = \frac{P(d|c_{i}) P(c_{i})}{P(d)}$$

$$P(c_{i}|d) = P(d|c_{i}) P(c_{i})$$

$$x_{i}, x_{2} - x_{n}$$

$$P(a_{i}b) = P(x_{i}, x_{2} - x_{n}|c_{i}) P(c_{i})$$

$$= P(a) P(b) = P(x_{1}|c_{i}) P(x_{2}|c_{i}) - P(x_{n}|c_{i}) P(c_{i})$$

$$\frac{1}{\rho} \frac{\rho rior \rho rob}{\rho(\rho o s) = 0.5}$$

$$\frac{\rho(\rho o s) = 0.5}{\rho(neg) = 0.5}$$

$$(\text{neg}(1)) \approx 0.5 * 0.16 * 0.06 * 0.06 * 0.15 * 0.11$$

$$= 0.606064757$$

$$P(comedy) = \frac{2}{5}$$

$$P(action) = \frac{3}{5}$$

$$|V| = 7$$

$$P(fast|action) = \frac{2+1}{(1+7)}$$

$$P(couple|action) = \frac{0+1}{11+7}$$

$$P(short|action) = \frac{4+1}{11+7}$$

$$P(fly|action) = \frac{1+1}{11+7}$$

 $\frac{1}{1}P(fast|Comeb) = \frac{1+1}{9+7}$ 1P(comple (comply) = 2+1
9+7 1 (shoot 1 comedy) = 0 +1 1 P(fly konery)==1

$$P(g_{30}dl_{RS}) = \frac{3+1}{9+3}$$

$$P(\text{great}|p_{os}) = \frac{5}{9} + \frac{1}{3}$$

$$P(RS11) \simeq (\frac{2}{5}) (\frac{4}{5})^2 (\frac{1}{6}) (\frac{7}{12}) = 0.00$$
 $P(RS11) \simeq (\frac{2}{5}) (\frac{3}{4})^2 (\frac{1}{17}) (\frac{3}{17}) = 0.00$
 $P(Grod reg) \simeq \frac{2+1}{14+3}$

$$P(\text{negld}) = \left(\frac{3}{5}\right)\left(\frac{3}{9}\right)\left(\frac{4}{9}\right)\left(\frac{2}{9}\right) = P(\text{god}|\text{neg}) = \frac{2+1}{6+3}$$

$$P(\text{Poorlneg}) = \frac{3+1}{6+3}$$

$$P(\text{gret}|\text{neg}) = \frac{1}{4}$$

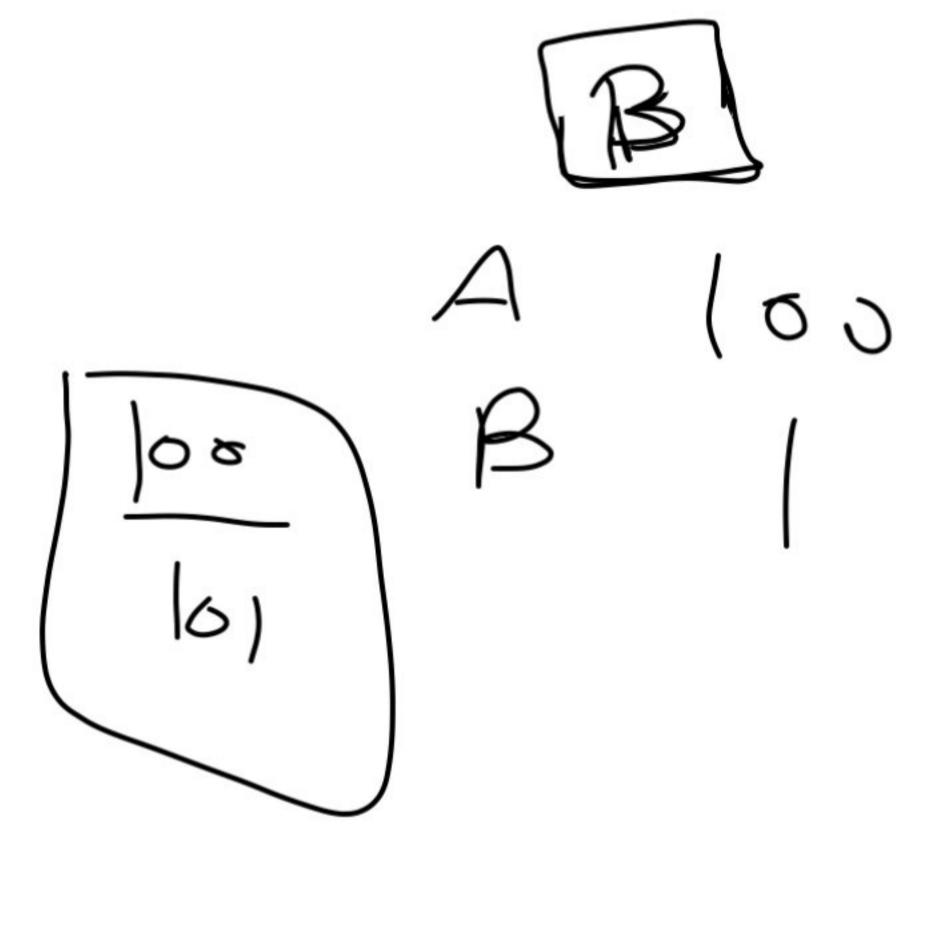
Recall 9(Curaly=1 12xx TRIPHTN+FN

Precision=
$$\frac{70}{70+30} = 0.7$$

Recall = $\frac{70}{70+70} = 0.5$

B Precision

B Precision



$$Z = W^{T} \times +6$$

$$Q(Z) = \frac{1}{1 + e^{-Z}}$$

$$V = [X, X_{2}]$$

$$V = [X, X_{2$$

$$w = \{v, w_2 - w_1\}$$

$$x = \{x, x_2 - x_1\}$$

$$e^{-2} < c_1(1)$$

$$x = \{x, x_2 - x_1\}$$

$$x = \{x, x_2 - x_2\}$$

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$$x = \{x, x_$$

(a)
$$Q(x) = \frac{1}{1 + e^{-(w_1 x_1 + w_2 x_2 + b)}}$$
(b) $d = \frac{1}{1 + e^{-(w_1 x_1 + w_2 x_2 + b)}}$
 $d = \frac{1}{1 + e^{-(w_1 x_1 + w_2 x_2 + b)}}$
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 $d = \frac{1}{1 + e^{-(w_1 x_1 + w_2 x_2 + b)}}$
 $d = \frac{1}{1 + e^{-(w_1 x_1 + w_2 x_2 + b)}}$
 $d = \frac{1}$

0.5

C 0.5