1. a. ..., 4/s

b. Predicted.

Man (3) Wand on (1)

Men (0) 8 1

Actural

Wann (1) 2 4

c. p (actual = want) means the probability of the customer being afemale which is the prior probability.

p (predict = women | actual = women) is the conditional probability
that Siuth the austone is fernale, how likely the algorithm with classify her
as women.

d. Recall

2.

A.

(1) 1/3

(1) 1/3

(11) 1/3

ρ(y= No | X: Led) =

ρ(x=had | y=No) · ρ(y=No)

ρ(x=bad)

β.

ζ.

α.

	trendy	Ĵeans	old	blue	red	locw
product A	2	ጎ/4	O	٥	ð	٥
produt 3	٥	7/4	2	2	ø	อ
brognit C	2	7/4	ν	2	5/2	5/2
107	2	7/4	2	٤	1/2	5/2

b. product B.

4. A.

I love go to store he work at resterant be due tuday END Э 0 0 O J 0 I ၁ ၁ | O 0 1 0 S^{2} 0 0 1 J J 0 o 0 0 0 C Hore o o ပ ى ٥ ව O O morte o o 0 0 0 6 O 2 О resterant 10 0 J 0 1 0 0 0 U be 0 0 c/~e 0 0 0 O J 0 O ی 0 J 0 0 today 1 0 0 0 0 0 0 v 0 0 | 2 ଚ 0 O Start 1 0

B- P(Xo= Hord, X1 = I, Xo= love, X3 = working, X4 = FMD)

= TI P(Xi(Xi-1))

i=1

5 015 x 012 x 012 x 010 5 \$

C. These two sentances are not equally long.

2tics not deay to compare them directly, We need to immediate them by willy preplexity.