(a) Sensitivity:
$$TP = P(D=1 | R=1) = 99\% \Rightarrow FN = 1\%$$

Sperificity: $TN = P(D=0 | R=0) = 98\% \Rightarrow FP = 2\%$

(ii)
$$P(R=0|D=1) = FDP = \frac{2}{91+2} = \frac{2}{101} = 1.98\%$$

$$P(D, \Lambda D_2 \mid R) = P(D, |R) P(D_2 \mid R)$$

WANT P(D2=1 | D.=1)

$$P(D_2=1|D_1=1) = \frac{P(D_1=1|D_2=1)}{P(D_1=1)} =$$