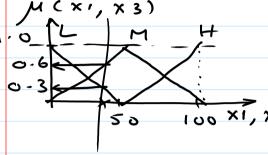
Ques1:

step1 Fuzzification



ه 3

$$M_{L}\left(\begin{array}{c} x = 30 \\ x = 30 \end{array}\right) = 0.3$$

$$\mu_{M} \left(\frac{x_{1}=30}{x_{3}=30} \right) = 0.6$$

$$\mu_{H}\left(\begin{array}{c} x_{1}=30\\ x_{3}=30 \end{array}\right)=\infty$$

$$X2 = 70$$
 $M(X2)$
 $O.6$
 $O.2$
 $O.2$

$$MM(x3=70)=$$
0-65

 100×2
 $MH(x3=70)=$

$$\frac{DB2}{R_1^2} = \min(\mu_L(x3=30), \mu_L(Y))$$
= $\min(0.3, \emptyset) = \emptyset B$

Step3 Defuzzification

$$\frac{D}{Prodicted} = \frac{\varnothing B + 0.25M}{\varnothing + 0.25}$$

Malignant!