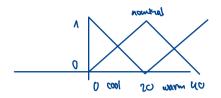
## FUZZY LOGIG

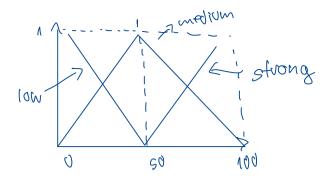
## 1) Temperature



In

C00	45 = 0, $45 = 50$	$\frac{0-1}{20-0} = \frac{7}{70} \longrightarrow \frac{1-x_1}{70}$
Horinal	41-0 x1=0 42=1 x2=20	$\frac{80-0}{1-0} = \frac{x^{4}-0}{1-0} \implies \frac{50}{1-0}$
	41=1 X1= 20 42=0 X2=40	$\frac{40-20}{0-1} = \frac{x^{4}-50}{x^{4}-50} \Rightarrow \text{brownind} = \frac{5}{5} = \frac{50}{x^{4}}$
Magm	41=0 X1 = 20 42=1 X2=40	10-20 = x1-30 => trmoum =-1 + x1

$$|\psi \cos| = 1 + \frac{xt}{20}$$
 $|\psi \cos| = 1 + \frac{xt}{20}$ 
 $|\psi \cos| = 1 + \frac{xt}{2$ 



Low	$4n = 1 \times 1 = 0$ $4n = 0 \times 2 = 0$	$\frac{0-1}{S0-0} = \frac{p^{-1}}{r_{p}-0} \implies p = 1 - \frac{rp}{S0}$
MG/nm	41=0 x1=0 y2=1 x2=50	$\frac{90-0}{1-0} = \frac{x^{6-0}}{1-0} \Rightarrow \text{trueyion} = \frac{20}{x^{12}}$
	41= 1 ×1= 50 41= 0 ×1= 100	$\frac{0-1}{100-50} = \frac{x_{P}-50}{y_{P}-50} \Rightarrow \mu_{MAJ_{10M}} = \frac{5-\frac{x_{P}}{x_{P}}}{50}$
Strong	41=0 X1=50 42=1 X2=100	$\frac{1-0}{100-S0} = \frac{\mu-0}{x_{P}-S0} = 5 \mu_{Stvong} = -1+\frac{x_{P}}{S0}$

$$\mu_{10W} = 1 - \frac{xp}{S0}$$
 $\mu_{medicum} = \begin{bmatrix} \frac{xp}{S0} \\ \frac{xp}{S0} \end{bmatrix}$ 
 $\chi_{p} \in [0.50]$ 
 $\chi_{p} \in [0.50]$