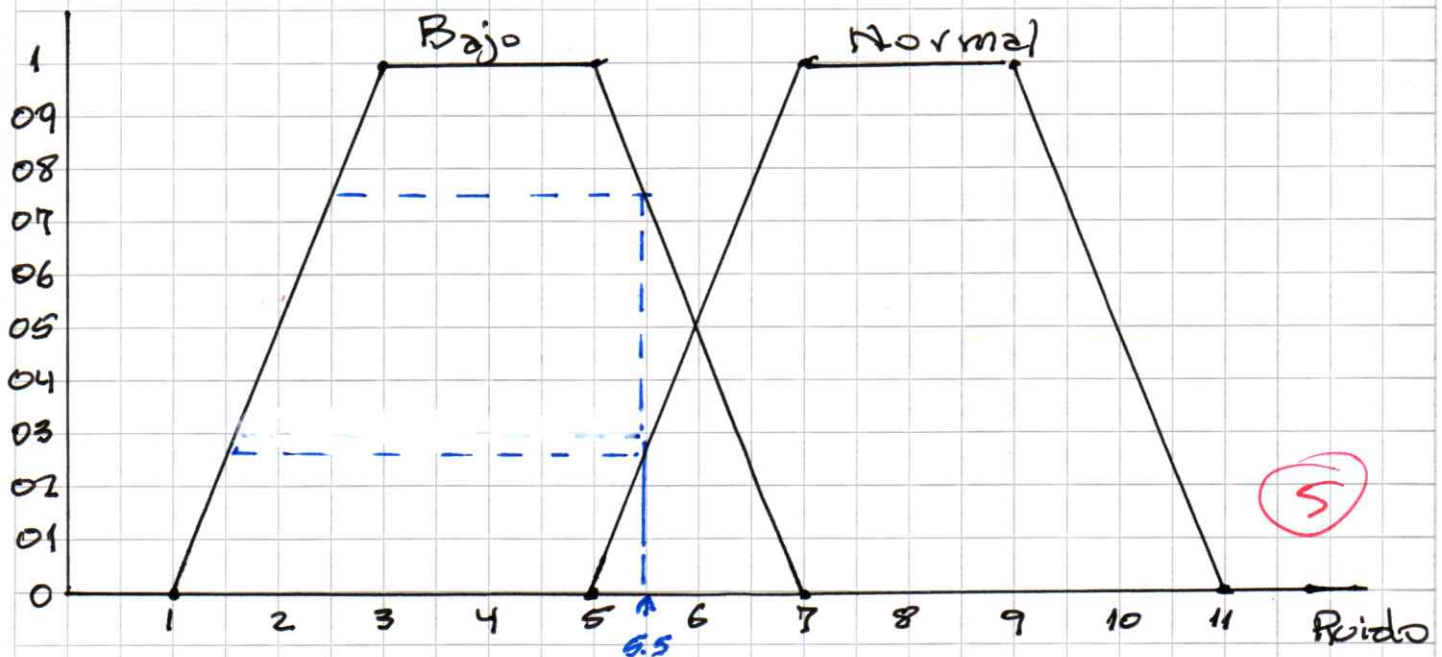
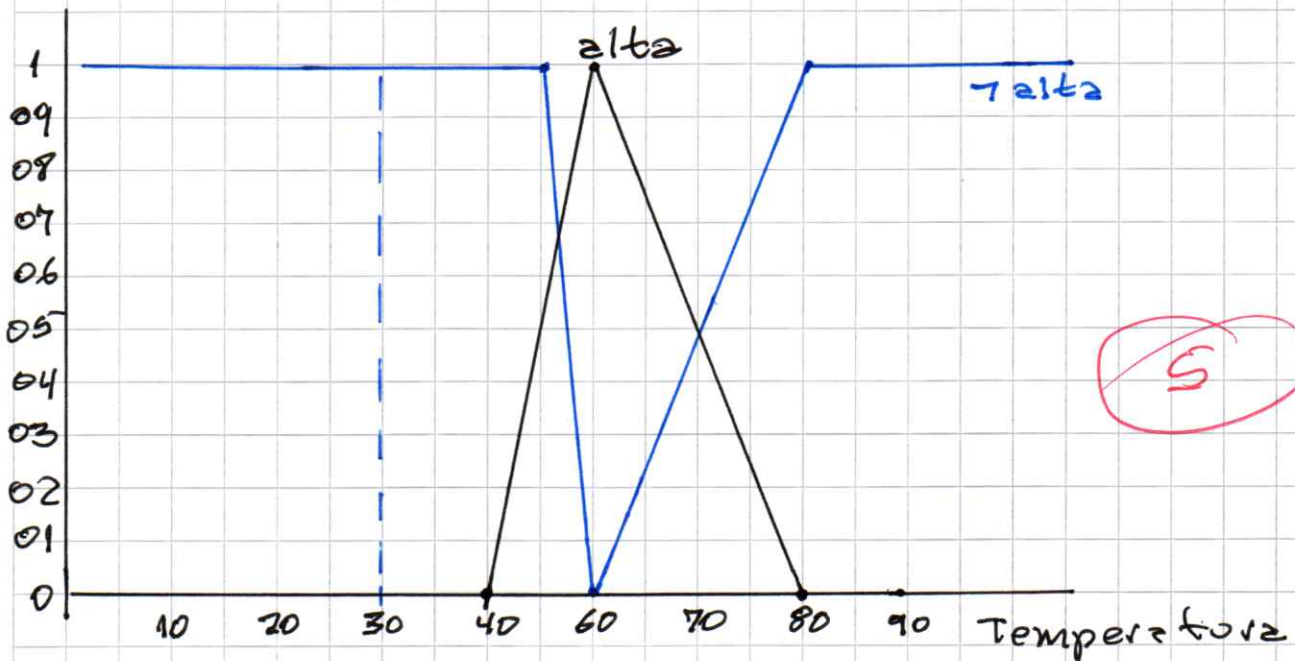


Pauta de Corrección Certamen 2



$$\mu_{\text{alta}} = (1/40, 0/60, 1/80)$$



Complimiento de las reglas en
nivel de ruido 5.5 y temperatura 30

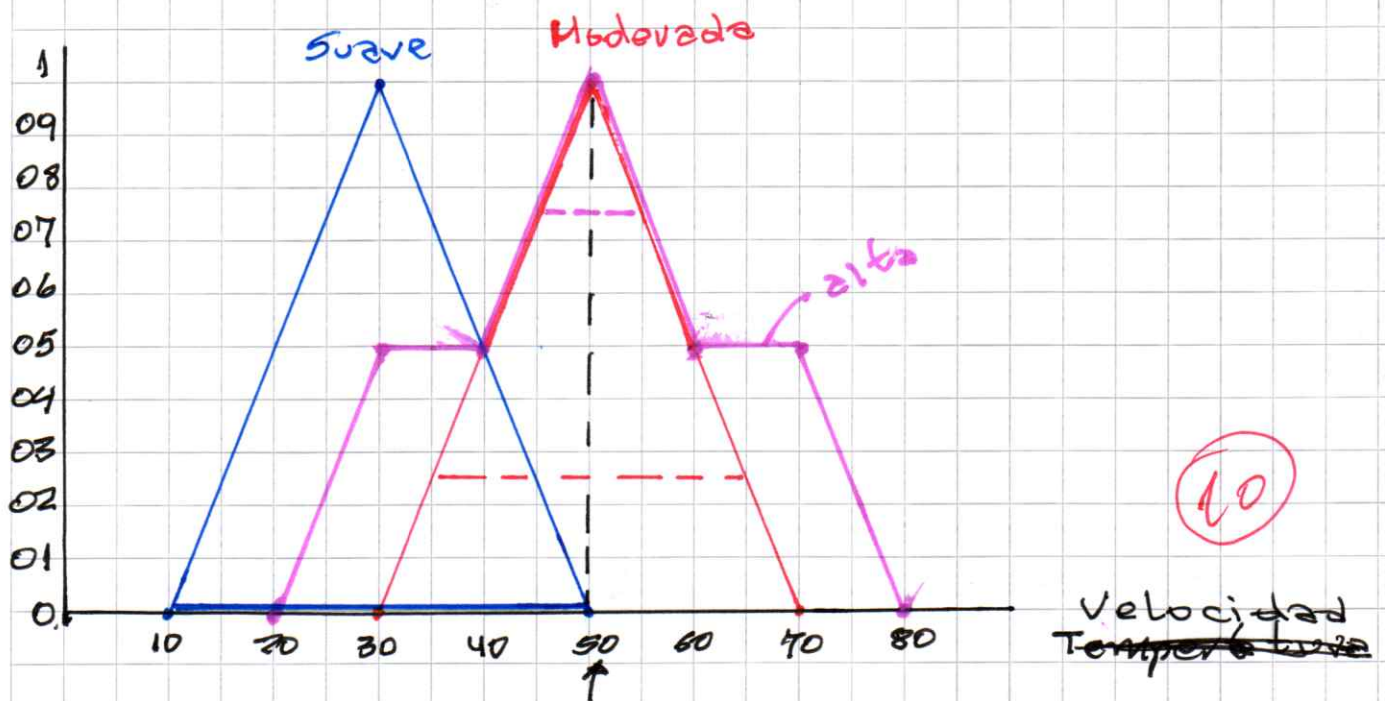
$$R_1: \alpha_1 = \mu_{R_N \cap T_A}(5.5, 30) = \min\{\mu_{R_N}(5.5), \mu_{T_A}(30)\}$$

$$= \min\{0.25, 0\} = 0$$

$$R_2: \alpha_2 = \mu_{R_N \cap T_A}(5.5, 30) = \min\{\mu_{R_N}(5.5), \mu_{T_A}(30)\}$$

$$= \min\{0.25, 1\} = 0.25$$

$$R_3: \alpha_3 = \mu_{R_B}(5.5) = 0.75$$



$$Velocidad = \frac{30 \cdot 0 + 50 \cdot 0.25 + 50 \cdot 0.75}{0 + 0.25 + 0.75}$$

$$= \frac{0 + 12.5 + 37.5}{1} = 50$$

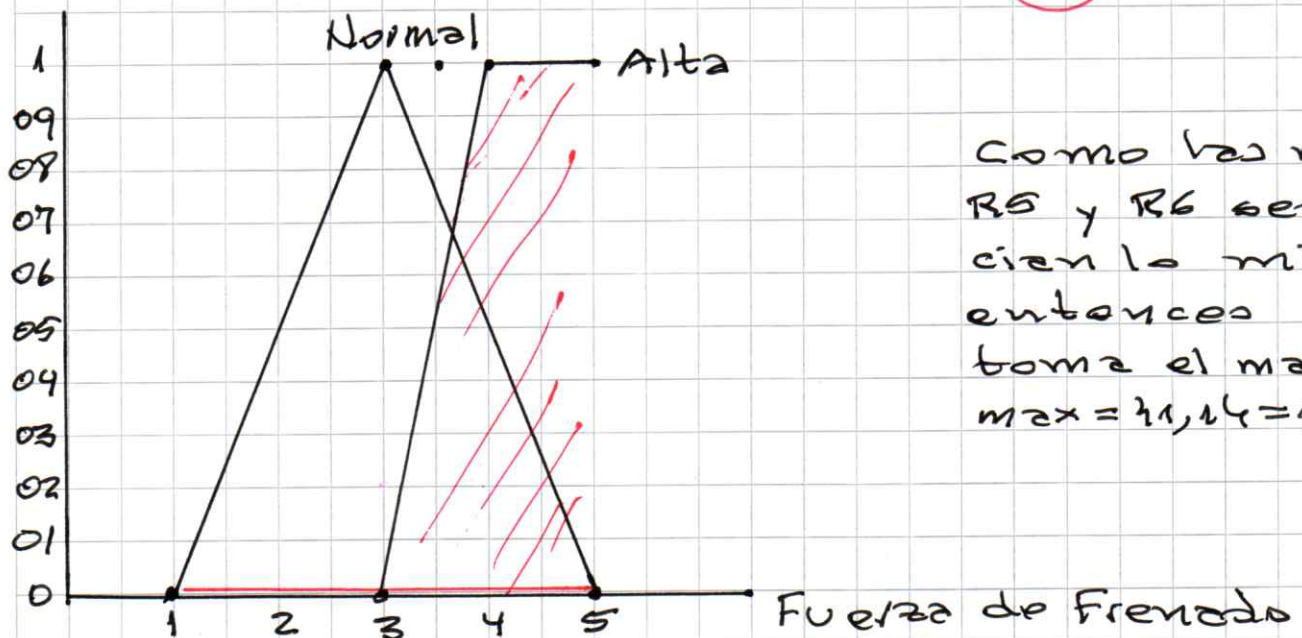
$$Velocidad = 50$$

Cumplimiento de las reglas

$$R4: \alpha_4 = \mu_{VS}(50) = 0$$

$$R5: \alpha_5 = \mu_{VM}(50) = 1$$

$$R6: \alpha_6 = \mu_{VA}(50) = 1$$



Como las reglas
R5 y R6 senten
cien lo mismo
entonces se
toma el $\max\{\alpha_5, \alpha_6\}$
 $\max = 1, 1 = 1$

$$FF = \frac{3 \times 0 + 4 \times 1}{0 + 1} = 4$$