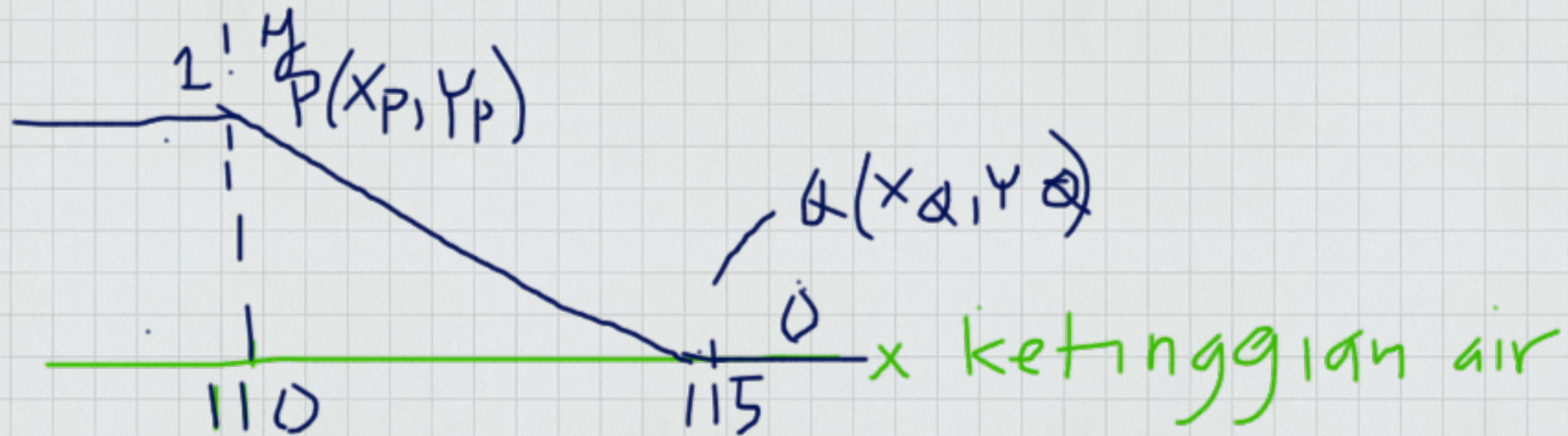




$$x \leq 110 \rightarrow y = 1$$

$$x \geq 115 \rightarrow y = 0$$

$$110 < x < 115 \rightarrow$$

check

x	y
110	1
115	0

$$\frac{(y - y_q)}{y_p - y_q} = \frac{(x - x_q)}{x_p - x_q}$$

$$\frac{y - 0}{1 - 0} = \frac{x - 115}{110 - 115}$$

$$y = -\frac{1}{5}(x - 115)$$

MATLAB
FUNCTION