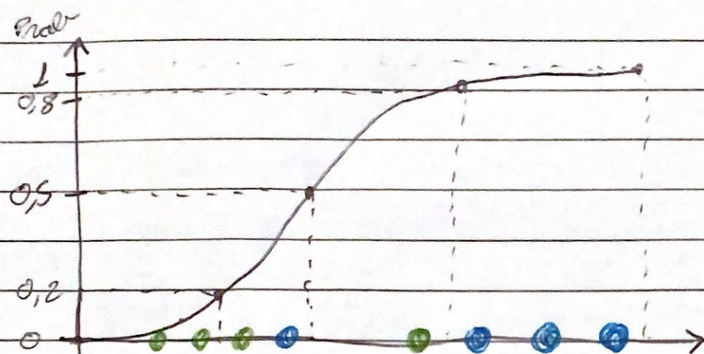


# Medição de Desempenho ROC/AUC



valores reais

		OBESA	NÃO OBESA
predições	OBESA	3 TP	1 FP
	NÃO OBESA	1 FN	3 TN

$$\uparrow \checkmark \text{TPR} = \frac{\text{TP}}{\text{TP} + \text{FN}} \quad \text{+ NOVE POSITIVO RATE}$$

$$\downarrow \checkmark \text{FPR} = \frac{\text{FP}}{\text{FP} + \text{TN}} \quad \text{FALSE POSITIVE RATE}$$

exemplos

0	0
4	4

$$\text{TPR} = 0$$

$$\text{FPR} = 0$$

4	4
0	0

$$\text{TPR} = 1$$

$$\text{FPR} = 1$$

4	1
0	3

$$\text{TPR} = 1$$

$$\text{FPR} = 0.25$$

3	0
1	4

$$\text{TPR} = 0.75$$

$$\text{FPR} = 0$$

