

1) if  $x$  is Blue  $\Rightarrow$  class is  $C_2$   
else class is  $C_1$ .

acc = 100%.

$$\text{acc} = \frac{\# \text{ correctly classified examples}}{\# \text{ examples}}$$

predicted label = true label  
(system) (gold)

2) if  $x$  is Red and  $x$  is Quad  $\Rightarrow$  class  $C_1$   
else  $C_2$

acc = 100%

3) if  $x$  is Red or  $x$  is Quad  $\Rightarrow$  class  $C_1$   
else  $C_2$

acc = 80%