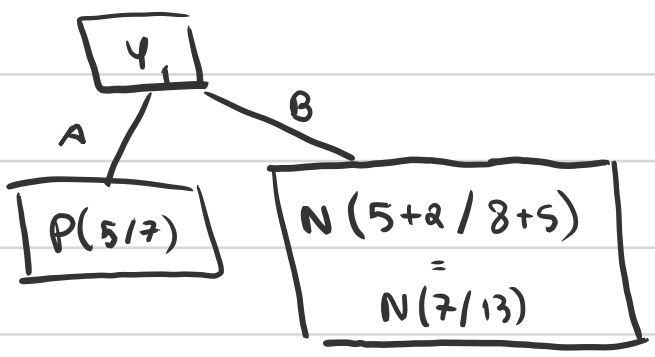
1)

Predicted \ real	P	N
P	5+3	2+2
N	3	5

=

Predicted \ real	P	N
P	8	4
N	3	5

2) Pruning (depth : 1)



CM:

Predicted \ real	P	N
P	5 (TP)	2 (FP)
N	0 (FN)	7 (TN)

$$Sens = \frac{TP}{TP+FN} = \frac{5}{5+0} = \frac{5}{11}$$

$$Prec = \frac{TP}{TP+FP} = \frac{5}{5+2} = \frac{5}{7}$$

$$F1 = \frac{2\,Prec \cdot Sens}{Prec + Sens} = \frac{2\,\frac{5}{7}\,\frac{5}{11}}{\frac{5}{7}+\frac{5}{11}} = \frac{5}{9}$$

3) Two reasons as why the left path was not further decomposed are:

- The information gain on the right path was greater than on the left one;
- ? ? ? ?

4) $IG(Y_1) =$? ? ? ?

Teste "simulado" Tabela
Ñ sei se é este a ideia

Y_1	Y_2	Y_{out}
A	1	P
B	4	N
A	3	P
B	5	N
B	2	P
A	3	N
B	4	N
A	1	P