Ground truth

Actual	Predicted
N	N
P	P
P	N
P	P
N	P
N	N
N	P
P	N
P	P
P	P

1)

A/P	c_1	$-c_1$	
c_1	4	2	6
$-c_1$	2	2	4
	6	4	10

→ confusion Matrix

2)   ให้กันวน accuracy $= \dfrac{(4+2)}{10}$

$= 0.6\%$

3)   P = Precision $= \dfrac{TP}{TP+FP} = \dfrac{4}{4+2} = \dfrac{4}{6}$

R = Recall $= \dfrac{TP}{TP+FN} = \dfrac{4}{4+2} = \dfrac{4}{6}$

4)   Sensitivity (Recall) $= \dfrac{TP}{P} = \dfrac{4}{6}$

Specificity $= \dfrac{TN}{N} = \dfrac{2}{4}$

5) F1-Score (balanced F -measure)

$$F_1 = \frac{2PR}{P+R} = \frac{2 \times 0.67\% \times 0.67\%}{0.67\% \times 0.67\%} = 0.67\%$$