ปิย์รดา ภูถนนนอก
653020211-6 SIDS

Act	Pred			
Y	0.3	Y	N	N
Y	0.9	Y	Y	Y
N	0.2	Y	N	N
N	0.6	Y	N	Y
Y	0.8	Y	Y	Y
N	0.1	N	N	N

Default
$\geq 50 = P$
$R = \frac{2}{3}$
$P = \frac{2}{3}$

M_1

Recall $\uparrow$
$\geq 45\% \to P$
$R = 100\%$
$P = \frac{3}{5}$

M_2

Precision
$\geq 80\% \to P$
$P = \frac{2}{2} \; 100\%$
$R = \frac{2}{3}$

M_3

Q 13 ทั้ง 3 โมเดลโมเดลได้ดีที่สุด ∴ เลือก Modell 3 = 0.8 ≈ 80+

$$F1_{M_1} = \frac{2PR}{P+R} = 2\left(\frac{2}{3}\right)\left(\frac{2}{3}\right) / \left(\frac{2}{3}+\frac{2}{3}\right) = \frac{8}{9} / \frac{4}{3} = \frac{2}{3} = \boxed{0.66}$$

$$F1_{M_2} = \frac{2PR}{P+R} = 2\left(\frac{3}{5}\right)(1) / \left(\frac{3}{5}+1\right) = \frac{6}{5} / \frac{8}{5} = \frac{6}{8} = \boxed{0.75}$$

$$F1_{M_3} = \frac{2PR}{P+R} = 2(1)\left(\frac{2}{3}\right) / \left(1+\frac{2}{3}\right) = \frac{4}{3} / \frac{5}{3} = \frac{4}{5} = \boxed{0.8}$$