$$P = Precision = \frac{TP}{TP + FP} = \frac{4}{4 + 2} = \frac{4}{6} = 0.67$$

$$R = Recall = \frac{TP}{TP + FN} = \frac{4}{4 + 2} = \frac{4}{6} = 0.67$$

Sensitivity = TP/P ( 
$$Re(\alpha \parallel)$$
) =  $\frac{4}{6}$  = 0.67

Specificity = TN/N = 
$$\frac{2}{4}$$
 = 0.5

$$F_{1} = \frac{2PR}{P + R} = \frac{2(0.67)(0.67)}{(0.67 + 0.67)} = \frac{0.8976}{1.34} = 0.67$$