

$$\frac{0.3 \cdot 0.81 \cdot 0.62 \cdot 0.25}{(0.81 \cdot 0.3 + 0.1 \cdot 0.7)(0.62 \cdot 0.3 + 0.43 \cdot 0.7)(0.25 \cdot 0.3 + 0.80 \cdot 0.7)} = 38.9\%$$