$$=\frac{C_{33\%}^{\oplus 2\%}}{C_{3410}^{2}}\cdot\frac{C_{10-2}^{\oplus 7}}{C_{10-2}^{1}}+\frac{C_{137\%}^{1}}{C_{2310}^{2}}\cdot\frac{C_{10-2}^{1}}{C_{10-2}^{2}}+\frac{C_{10-2}^{1}}{C_{2310}^{2}}\cdot\frac{C_{10-2}^{1}}{C_{10-2}^{1}}}{\frac{\#2 + \#2 \cdot 1 \times 1}{\#2 \cdot 1 \times 1}}+\frac{C_{10-2}^{2}}{C_{2310}^{2}}\cdot\frac{C_{10-2}^{1}}{C_{10-2}^{2}}}{\frac{\#2 + \#2 \cdot 1 \times 1}{\#2 \cdot 1 \times 1}}+\frac{C_{207\%}^{2}}{C_{10}^{2}}\cdot\frac{C_{100}^{1}}{C_{8}^{1}}}{\frac{\#3 + \#2 \cdot 1 \times 1}{\#2 \cdot 1 \times 1}}=\frac{C_{3}^{2}}{C_{10}^{2}}\cdot\frac{C_{1}^{2}}{C_{8}^{2}}+\frac{C_{10}^{2}}{C_{8}^{2}}\cdot\frac{C_{10}^{2}}{C_{8}^{2}}}{\frac{\#2 + \#2 \cdot 1 \times 1}{\#2 \cdot 1 \times 1}}+\frac{C_{207\%}^{2}}{C_{10}^{2}}\cdot\frac{C_{100}^{2}}{C_{8}^{2}}$$

 $G_{xx3} = P(B_{00}) \cdot P(G_{xx3} | B_{00}) + P(B_{10}) \cdot P(G_{xx3} | B_{10}) + P(B_{11}) \cdot P(G_{xx3} | B_{11})$ 

分步骤,用乘法 分步骤,用乘法 再取1次 先取1次 先取1正

= 0.466667

注意:上面的第2种情况,先取1正1次,或1次1正的情况,就是:

其中1个从正品里面取. 1个从次品里面取