

$$Q_{yuv} = 5 - 0.05P$$

$$0 = 5 - 0.05P$$

$$\Rightarrow 0.05P = 5 \Rightarrow P = \frac{5}{0.05}$$

$$\boxed{P = 100}$$

$$Q_c = 13 - 0.25P$$

$$0 = 13 - 0.25P$$

$$0.25P = 13 \quad \Rightarrow \quad P = \frac{13}{0.25}$$

$$P = 52$$

$$Q_J = 32 - 8P$$

$$0 = 32 - 8P \Rightarrow P = \frac{32}{8}$$

$$P = 4$$

$$Q_0 = 20 - 4P$$

$$0 = 20 - 4P \Rightarrow P = \frac{20}{4}$$

$$P = 5$$