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$$(1)$$
 A)

B)
$$Jield_X = \frac{1}{(1+(0.02.\frac{2.14}{2}))^2} \Rightarrow [Jield_X = 0.94]$$

$$y_{1eld-y} = \frac{1}{(1+(0.03.\frac{3114}{2}))^2} = y_{1eld-y} = 0.912$$

New dield-X =
$$\frac{1}{(1+(0.023+\frac{2.855}{2}))^2}$$
 = $\frac{0.937}{}$

New Jield-J =
$$\frac{1}{\left(1 + \left(0.0345 \cdot \frac{2.855}{2}\right)\right)^2} = \left[0.908\right]$$

new cost-fer_Die_J =
$$\frac{19.2}{110.0.99} = [0.192]$$

A)
$$P_1 = 300 \times 2 + 4 \times 500 + 200 \times 3 = 3,2 B$$
 $P_2 = 300 \times 3 + 500 \times 3 + 200 \times 3 = 3 Billion (Lock cycles of P)$

B)
$$\frac{\rho_1}{1} \Rightarrow \frac{3.2}{1} = \sqrt{3.2 \text{ cpi}}$$
 $\frac{\rho_2}{1} \Rightarrow \frac{3}{1} = \sqrt{3 \text{ cpi}}$

C)
$$P_{1+3,2} \cdot 10^{3} \cdot \frac{1}{3 \cdot 10^{3}} = \frac{3 \cdot 2}{3} = 1,066 \text{ second}$$
 execution time for P_{1}

$$P_{2+3} \cdot 3 \cdot 10^{3} \cdot \frac{1}{1.5 \cdot 10^{3}} = \frac{3}{1.5} = \frac{2 \text{ second}}{1.5} \text{ execution time for } P_{2}$$