

$$\text{KLOC} = 3000 \text{ lines} = 3 \text{ KLOC.}$$

$$\begin{aligned} \underline{\text{Effort}} &= 2.4 (\text{KLOC})^{1.05} \text{ PM} \\ &= 2.4 (3)^{1.05} \text{ PM} \\ &= 2.4 \times 3.169 \text{ PM} \\ &= \underline{\underline{7.6056 \text{ PM}}} \end{aligned}$$

PRODUCTIVITY

$$= \frac{\text{KLOC}}{\text{Effort}} = \frac{3}{7.6056} = \underline{\underline{0.3944 (\text{KLOC}/\text{PM})}}$$

TDEV (Time required for dev).

$$\begin{aligned} &= b_1 \times (\text{effort})^{b_2} \text{ months} \\ &= 2.5 (7.6056)^{0.38} \text{ months} \\ &= 2.5 \times 2.1618 \text{ months} \\ &= \underline{\underline{5.404 \text{ months}}} \end{aligned}$$

Staff

$$= \frac{\text{effort}}{\text{dev.}} \text{ (persons)}$$

$$= \frac{7.6056}{5.404} \text{ person}$$

$$= 1.4 \text{ person}$$

$$\frac{1}{2} \underline{\underline{2 \text{ persons}}}$$