Fun 4
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ASSIGNMENT-2

1) Product 1

KLOC = 55, semi-detached

a) Effort = $a \times (KLOC)^b$ person month

$= 3 \times (55)^{1.12} = 88.96 \times 3$

$= 266.88$ person month

b) development time $= 2.5 \times (Effort)^{0.35}$ months

$= 2.5 \times 7.06$

$= 17.65$ months

c) Number of people $= \frac{Effort}{Tdev} = \frac{266.88}{17.65} = 15.12$ people.

2) Product 2

KLOC = 55, embedded

a) Effort $= 3.6 \times (55)^{1.20}$ person month

$= 3.6 \times 122.58$

$= 441.28$ person month

b) development time $= 2.5 \times (Effort)^{0.32}$ months

$= 2.5 \times (441.28)^{0.32}$ months

$= 2.5 \times 7.01$ months

$= 17.52$ months

(c) Number of people $= \frac{441.28}{17.52} = 25.18$ people

3) KLOC = 55 , organic

(a) Effort = $2.4 \times (KLOC)^{1.05}$ person month

$= 2.4 \times (55)^{1.05}$

$= 2.4 \times 67.201$

$= 161.28$ person month

b) Development time = $2.5 \times (161.28)^{0.38}$ months

$= 2.5 \times 6.9$

$= 17.25$ month

c) Number of people = $\frac{161.28}{17.25}$ = 9.349 people

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