

Software Project	A	B	C	D
Organic	2.4	1.05	2.5	0.38
Semi-Detached	3.0	1.12	2.5	0.35
Embedded	3.6	1.20	2.5	0.32

Suppose that A project was estimated to be 40000 LOC Calculate for each 3 model of development.

$$\text{LOC} = 40 \text{ KLOC}$$

- Organic

$$\text{Effort} = A (K \text{ loc})^B = 2.4 (40)^{1.05} = 115.44$$

$$\text{Time} = C (E)^D = 2.5 (115.44)^{0.38} = 15.19$$

$$N. \text{Persons} = \frac{E}{T} = \frac{115.44}{15.19} = 7.59$$

- Semi-Detached

$$\text{Effort} = A (K \text{ loc})^B = 3.0 (40)^{1.12} = 186.82$$

$$\text{Time} = C (E)^D = 2.5 (186.82)^{0.35} = 15.59$$

$$N. \text{Persons} = \frac{E}{T} = \frac{186.82}{15.59} = 11.98$$

- Embedded

$$\text{Effort} = A (K \text{ loc})^B = 3.6 (40)^{1.20} = 250.95$$

$$\text{Time} = C (E)^D = 2.5 (250.95)^{0.32} = 14.64$$

$$N. \text{Persons} = \frac{E}{T} = \frac{250.95}{14.64} = 17.14$$