Merits of Basic CoCoMo

*) Basic CoCoMo is good for quick, rough & early estimate of s/w costs.

Demerits

*) It doesn't account for differences in hardware constraints, personnel quality & experience, use of modern tools & techniques & so on.

*) The accuracy of this model is limited because it doesn't consider certain factors for cost estimation of s/w.

Intermediate CoCoMo

*) Intermediate CoCoMo computes s/w development effort as function of program size and set of "cost drivers" that includes subjective assessment of product, hardware, personnel & project attributes

*) The intermediate cocomo model refines the initial estimates obtained from the basic cocomo by scaling the estimate up or down based on attributes of s/w development.

*) This model use of a set of 15 cost drivers are multiplied with the initial cost & effort estimates to scale the estimates up & down.

Calculation

Effort $E = a_1 (Kloc)^{a_2} \times (EAF)$ PM

$D = b_1 (E)^{b_2}$ Months $P = Kloc/E$ productivity

(SS) $N = E/D$ → Average staff size

S/w Projects	a_1	a_2	b_1 & b_2
Organic	3.2	1.05	are same with basic cocomo.
Semi Detached	3.0	1.12	
Embedded	2.8	1.20	

S/w Projects	a_1	a_2	b_1	b_2
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

Basic COCOMO