Project Estimation

t = Project Duration

B = Productivity Factor

P = Productivity Parameter

Let, B = 1.8, t = 6 and P = 500, LOC = 4000

So, Efficiency = ()3 . () = ()3 . () = 0.71

COCOMO

SLOC = 4000,

Since it is organic so,

Coefficient = 2.4

P = 1.05

T = 0.38

Effort = PM (person month) = ()P = ()0.38 = 10.289 ≈ 11 person months

DM (Development time) = 2.5(PM)T = 2.5(11)0.38 = 6.21 ≈ 6 months

So, required number of people, ST = = = 1.833 ≈ 2 persons