



COCOMO II - Constructive Cost Model

Model(s)  
COCOMO

Monte Carlo Risk  
Off

Auto Calculate  
Off

Software Size

Sizing Method  
Source Lines of Code

SLOC

% Design Modified

% Code Modified

% Integration Required

Assessment and Assimilation  
(0% - 8%)

Software Understanding  
(0% - 50%)

Unfamiliarity  
(0-1)

New  
5000

Reused  
2000

0

0

Modified

Software Scale Drivers

Precedentedness  
Nominal

Architecture / Risk Resolution  
Nominal

Process Maturity  
Nominal

Development Flexibility  
Nominal

Team Cohesion  
Nominal

Software Cost Drivers

Product

Required Software Reliability  
Nominal

Data Base Size  
Nominal

Product Complexity  
Nominal

Developed for Reusability  
Nominal

Documentation Match to Lifecycle Needs  
Nominal

Personnel

Analyst Capability  
Nominal

Programmer Capability  
Nominal

Personnel Continuity  
Nominal

Application Experience  
Nominal

Platform Experience  
Nominal

Language and Toolset Experience  
Nominal

Platform

Time Constraint  
Nominal

Storage Constraint  
Nominal

Platform Volatility  
Nominal

Project

Use of Software Tools  
Nominal

Multisite Development  
Nominal

Required Development Schedule  
Nominal

Maintenance  
Off

Software Labor Rates

Cost per Person-Month (Dollars)  
3000

Calculate

Results

Software Development (Elaboration and Construction)

Effort = 17.3 Person-months  
Schedule = 9.4 Months  
Cost = \$51775

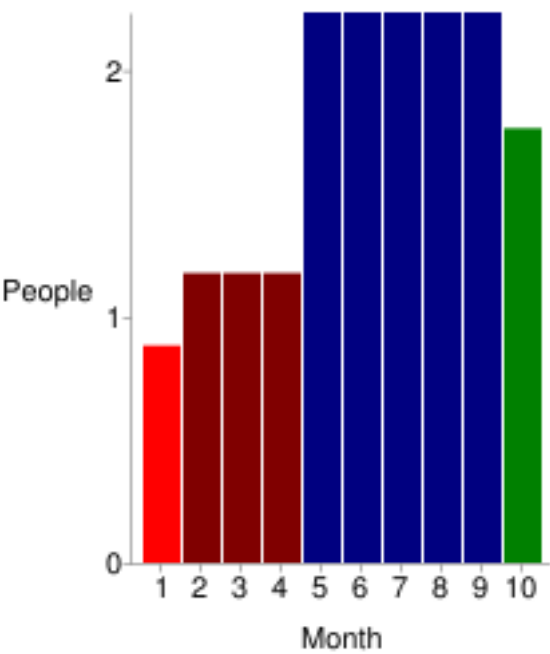
Total Equivalent Size = 5000 SLOC

Staffing Profile

Acquisition Phase Distribution

Phase	Effort (Person-months)	Schedule (Months)	Average Staff	Cost (Dollars)

Inception	1.0	1.2	0.9	\$3107
Elaboration	4.1	3.5	1.2	\$12426
Construction	13.1	5.9	2.2	\$39350
Transition	2.1	1.2	1.8	\$6213



Software Effort Distribution for RUP/MBASE (Person-Months)

Phase/Activity	Inception	Elaboration	Construction	Transition
Management	0.1	0.5	1.3	0.3
Environment/CM	0.1	0.3	0.7	0.1
Requirements	0.4	0.7	1.0	0.1
Design	0.2	1.5	2.1	0.1
Implementation	0.1	0.5	4.5	0.4
Assessment	0.1	0.4	3.1	0.5
Deployment	0.0	0.1	0.4	0.6

Your output file is [http://csse.usc.edu/tools/data/COCOMO\\_May\\_9\\_2016\\_03\\_37\\_20\\_519467.txt](http://csse.usc.edu/tools/data/COCOMO_May_9_2016_03_37_20_519467.txt)

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