

Size Estimating Template

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 Program: 2B
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Number: 4
 Language: C++

BASE PROGRAM LOC

	ESTIMATE	ACTUAL
BASE SIZE (B)	<u>76</u>	<u>76</u>
LOC DELETED (D)	<u>5</u>	<u>0</u>
LOC MODIFIED (M)	<u>5</u>	<u>0</u>

OBJECT LOC

BASE ADDITIONS	TYPE	METHODS	REL. SIZE	LOC	LOC
Input	I/O	5	Medium	83	123
TOTAL BASE ADDITIONS (BA)				<u>83</u>	<u>123</u>

NEW OBJECTS	TYPE	METHODS	REL. SIZE	LOC (New Reuse*)	
TOTAL NEW OBJECTS				<u>0</u>	<u>0</u>

REUSED OBJECTS

REUSED TOTAL				<u>0</u>	<u>0</u>

		SIZE	TIME
PROBE Estimating Method:		<u>C</u>	<u>C</u>
Estimated Object LOC (E):	$E=BA+NO+M$	<u>88</u>	
Regression Parameters:	$\beta_0(\text{size and time})$	<u>0</u>	<u>0</u>
Regression Parameters:	$\beta_1(\text{size and time})$	<u>1.45185</u>	<u>1.72593</u>
Estimated New and Changed LOC (N):	$N=\beta_0+\beta_1 * E$	<u>127.8</u>	
Estimated Total LOC:	$T=N+B-D-M+R$	<u>193.8</u>	
Estimated Total New Reuse (sum of * LOC):		<u>0</u>	
Estimated Total Development Time:	$\text{Time}=\beta_0+\beta_1 * E$		<u>151.9</u>
Prediction Range:	Range	<u>10</u>	<u>10</u>
Upper Prediction Interval:		<u>137.8</u>	<u>161.9</u>
Lower Prediction Interval:		<u>117.8</u>	<u>141.9</u>
Prediction Interval Percent:		<u>N/A</u>	<u>N/A</u>