

**Size Estimating Template**

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 Program: 3B
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Number: 5
 Language: C++

BASE PROGRAM LOC

	ESTIMATE	ACTUAL
BASE SIZE (B)	<u>151</u>	<u>151</u>
LOC DELETED (D)	<u>0</u>	<u>0</u>
LOC MODIFIED (M)	<u>5</u>	<u>13</u>

OBJECT LOC

BASE ADDITIONS	TYPE	METHODS	REL. SIZE	LOC	LOC
TOTAL BASE ADDITIONS (BA)				<u>0</u>	<u>0</u>

NEW OBJECTS	TYPE	METHODS	REL. SIZE	LOC (New Reuse*)	
StringToFloat	Data	3	Medium	27	50*
TOTAL NEW OBJECTS				<u>27</u>	<u>50</u>

REUSED OBJECTS

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

		SIZE	TIME
PROBE Estimating Method:		C	C
Estimated Object LOC (E):	$E=BA+NO+M$	<u>32</u>	
Regression Parameters:	$\beta_0(\text{size and time})$	<u>0</u>	<u>0</u>
Regression Parameters:	$\beta_1(\text{size and time})$	<u>1.26047</u>	<u>1.15663</u>
Estimated New and Changed LOC (N):	$N=\beta_0+\beta_1 * E$	<u>40.3</u>	
Estimated Total LOC:	$T=N+B-D-M+R$	<u>186.3</u>	
Estimated Total New Reuse (sum of * LOC):		<u>27</u>	
Estimated Total Development Time:	$\text{Time}=\beta_0+\beta_1 * E$		<u>37</u>
Prediction Range:	Range	<u>20</u>	<u>20</u>
Upper Prediction Interval:		<u>60.3</u>	<u>57</u>
Lower Prediction Interval:		<u>20.3</u>	<u>17</u>
Prediction Interval Percent:		<u>N/A</u>	<u>N/A</u>