Size Estimating Template

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| --- | --- | --- | --- |
| Student | Eduardo Sánchez Bautista | Date | 05.02.16 |
| Program | 5A Simpson | Program # | 5 |
| Instructor | Patricia Benavides | Language | JAVA |
| Size Measure | Objects - Classes |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | Estimated | | | | | | | | | | | |
| Base Parts |  | Base | |  | Deleted | |  | Modified | | |  | Added | |
| 0 |  |  | |  |  | |  |  | | |  |  | |
| 0 |  |  | |  |  | |  |  | | |  |  | |
| 0 |  |  | |  |  | |  |  | | |  |  | |
| 0 |  |  | |  |  | |  |  | | |  |  | |
| 0Total | B | |  | D | |  | M | |  | **BA** | | |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | Actual | | | | | | | | | | |
| Base Parts |  | Base | |  | Deleted | |  | Modified | |  | Added | |
| 0 |  |  | |  |  | |  |  | |  |  | |
| 0 |  |  | |  |  | |  |  | |  |  | |
| 0 |  |  | |  |  | |  |  | |  |  | |
| 0 |  |  | |  |  | |  |  | |  |  | |
| Total |  | |  |  | |  |  | |  |  | |  |

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|  |  | Estimated | | | | | | | |  | Actual | | |
| Parts Additions |  | Type |  | Items |  | Rel. Size | |  | Size\* |  | Size\* |  | Items |
| TDistribution |  | Calc |  | 2 |  | 11.25 | |  | 22.5 |  | 30 |  | 2 |
| TDistribution |  | Setup |  | 1 |  | 3.88 | |  | 3.88 |  | 13 |  | 1 |
|  |  |  |  |  |  |  | |  |  |  |  |  |  |
|  |  |  |  |  |  |  | |  |  |  |  |  |  |
| Simpson |  | Setup |  | 1 |  | 3.88 | |  | 3.88 |  | 14 |  | 1 |
| Simpson |  | Calc |  | 1 |  | 24.66 | |  | 24.66 |  | 51 |  | 1 |
|  |  |  |  |  |  |  | |  |  |  |  |  |  |
|  |  |  |  |  |  |  | |  |  |  |  |  |  |
|  |  |  |  |  |  |  | |  |  |  |  |  |  |
|  |  |  |  |  |  |  | |  |  |  |  |  |  |
| Total |  |  |  |  |  |  | PA | |  |  |  |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | |  | Estimated |  | Actual |
| Reused Parts | |  | Size |  | Size |
| 0 | |  |  |  |  |
| 0 | |  |  |  |  |
| 0 | |  |  |  |  |
| 0 | |  |  |  |  |
| 0 | |  |  |  |  |
| 0 | |  |  |  |  |
| 0 | |  |  |  |  |
| Total | R | |  |  |  |

**(continued)**

Size Estimating Template (continued)

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| Student | Eduardo Sánchez Bautista | Program | 5A Simpson |

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| PROBE Calculation Worksheet (Added and Modified) |  | Size |  | Time |
| Added size (A): A = BA+PA |  | 54.92 |  |  |
| Estimated Proxy Size (E): E = BA+PA+M |  | 54.92 |  |  |
| PROBE estimating basis used: (A, B, C, or D) |  | C |  | C |
| Correlation: (R2) |  | X |  | 0.5778 |
| Regression Parameters: β0 Size and Time |  | 0 |  | 1.78 |
| Regression Parameters: β1 Size and Time |  | 1.504 |  | 1.619 |
| Projected Added and Modified Size (P): P = β0size + β1size\*E |  | 82.60 |  |  |
| Estimated Total Size (T): T = P + B - D - M + R |  | 82.60 |  |  |
| Estimated Total New Reusable (NR): sum of \* items |  | 54.92 |  |  |
| Estimated Total Development Time: Time = β0time + β1time\*E |  |  |  | 88.95 |
| Prediction Range: Range |  |  |  |  |
| Upper Prediction Interval: UPI = P + Range |  |  |  |  |
| Lower Prediction Interval: LPI = P - Range |  |  |  |  |
| Prediction Interval Percent: |  |  |  |  |