

| Scenario ID | PUC ID | Test Set | EP Test Set Size | Length of EP Test Set | PUC Test Set Size | Length of PUC Test Set | Test Sequences Reused in Test Set | Events Reused in Test Sequences | Generation Time | Faults Seeded | Events Executed | Faults Revealed |
|-------------|--------|----------|------------------|-----------------------|-------------------|------------------------|-----------------------------------|---------------------------------|-----------------|---------------|-----------------|-----------------|
| 1 | 2 | inc(2) | 4 | 20 | 6 | 25 | 4 | 20 | 1.50 | 517 | 192 | 47 |
| 1 | 2 | sm(2) | - | - | 6 | 25 | - | - | 52.64 | 103 | 190 | 47 |
| 1 | 2 | inc(3) | 10 | 61 | 13 | 69 | 6 | 37 | 2.35 | 103 | 363 | 69 |
| 1 | 2 | sm(3) | - | - | 12 | 68 | - | - | 62.78 | 103 | 373 | 69 |
| 1 | 2 | inc(4) | 26 | 185 | 30 | 197 | 18 | 131 | 5.05 | 103 | 628 | 89 |
| 1 | 2 | sm(4) | - | - | 27 | 192 | - | - | 89.96 | 103 | 603 | 86 |
| 2 | 4 | inc(2) | 4 | 20 | 5 | 24 | 4 | 20 | 1.58 | 512 | 182 | 45 |
| 2 | 4 | sm(2) | - | - | 5 | 24 | - | - | 54.07 | 102 | 180 | 45 |
| 2 | 4 | inc(3) | 10 | 61 | 11 | 65 | 8 | 49 | 3.98 | 102 | 374 | 66 |
| 2 | 4 | sm(3) | - | - | 11 | 65 | - | - | 62.11 | 102 | 351 | 67 |
| 2 | 4 | inc(4) | 26 | 185 | 27 | 189 | 22 | 154 | 6.41 | 102 | 620 | 86 |
| 2 | 4 | sm(4) | - | - | 26 | 187 | - | - | 93.38 | 102 | 610 | 86 |
| 3 | 8 | inc(2) | 4 | 20 | 5 | 27 | 4 | 20 | 1.95 | 597 | 215 | 45 |
| 3 | 8 | sm(2) | - | - | 4 | 22 | - | - | 53.00 | 119 | 220 | 46 |
| 3 | 8 | inc(3) | 10 | 61 | 15 | 89 | 8 | 49 | 6.52 | 119 | 484 | 79 |
| 3 | 8 | sm(3) | - | - | 11 | 72 | - | - | 63.49 | 119 | 474 | 78 |
| 3 | 8 | inc(4) | 26 | 185 | 48 | 357 | 21 | 152 | 32.31 | 119 | 942 | 109 |
| 3 | 8 | sm(4) | - | - | 29 | 223 | - | - | 106.41 | 119 | 791 | 104 |
| 4 | 12 | inc(2) | 4 | 20 | 5 | 26 | 4 | 20 | 2.20 | 586 | 220 | 46 |
| 4 | 12 | sm(2) | - | - | 4 | 21 | - | - | 52.80 | 117 | 222 | 46 |
| 4 | 12 | inc(3) | 10 | 61 | 15 | 94 | 8 | 49 | 7.00 | 117 | 516 | 82 |
| 4 | 12 | sm(3) | - | - | 11 | 68 | - | - | 63.20 | 117 | 474 | 79 |
| 4 | 12 | inc(4) | 26 | 185 | 44 | 297 | 22 | 155 | 25.54 | 117 | 809 | 105 |
| 4 | 12 | sm(4) | - | - | 29 | 211 | - | - | 99.53 | 117 | 742 | 101 |
| 5 | 3 | inc(2) | 6 | 29 | 8 | 34 | 6 | 29 | 1.23 | 611 | 216 | 51 |
| 5 | 3 | sm(2) | - | - | 7 | 29 | - | - | 52.83 | 122 | 209 | 51 |
| 5 | 3 | inc(3) | 15 | 88 | 18 | 96 | 13 | 76 | 2.47 | 122 | 471 | 81 |
| 5 | 3 | sm(3) | - | - | 14 | 78 | - | - | 67.54 | 122 | 448 | 80 |
| 5 | 3 | inc(4) | 39 | 264 | 43 | 283 | 25 | 163 | 3.46 | 122 | 815 | 111 |
| 5 | 3 | sm(4) | - | - | 32 | 223 | - | - | 87.86 | 122 | 777 | 107 |
| 6 | 5 | inc(2) | 6 | 29 | 7 | 33 | 6 | 29 | 0.76 | 606 | 244 | 55 |
| 6 | 5 | sm(2) | - | - | 6 | 28 | - | - | 56.40 | 121 | 232 | 54 |
| 6 | 5 | inc(3) | 15 | 85 | 16 | 89 | 13 | 73 | 1.50 | 121 | 460 | 83 |
| 6 | 5 | sm(3) | - | - | 13 | 75 | - | - | 63.91 | 121 | 439 | 80 |
| 6 | 5 | inc(4) | 39 | 261 | 40 | 264 | 29 | 189 | 2.43 | 121 | 806 | 109 |
| 6 | 5 | sm(4) | - | - | 31 | 218 | - | - | 93.69 | 121 | 764 | 107 |
| 7 | 9 | inc(2) | 6 | 29 | 7 | 36 | 6 | 29 | 0.83 | 691 | 313 | 66 |
| 7 | 9 | sm(2) | - | - | 5 | 26 | - | - | 51.34 | 138 | 315 | 64 |
| 7 | 9 | inc(3) | 15 | 87 | 22 | 141 | 10 | 55 | 4.67 | 138 | 621 | 99 |
| 7 | 9 | sm(3) | - | - | 14 | 87 | - | - | 60.61 | 138 | 556 | 96 |
| 7 | 9 | inc(4) | 40 | 261 | 60 | 400 | 31 | 200 | 26.15 | 138 | 1045 | 128 |
| 7 | 9 | sm(4) | - | - | 37 | 271 | - | - | 97.76 | 138 | 929 | 124 |

| | | | | | | | | | | | | |
|----|----|--------|----|-----|----|-----|----|-----|--------|-----|------|-----|
| 8 | 13 | inc(2) | 6 | 29 | 7 | 35 | 6 | 29 | 0.76 | 680 | 286 | 62 |
| 8 | 13 | sm(2) | - | - | 5 | 25 | - | - | 51.92 | 136 | 241 | 55 |
| 8 | 13 | inc(3) | 15 | 85 | 21 | 119 | 13 | 73 | 4.17 | 136 | 558 | 99 |
| 8 | 13 | sm(3) | - | - | 14 | 83 | - | - | 62.83 | 136 | 585 | 97 |
| 8 | 13 | inc(4) | 40 | 261 | 57 | 373 | 28 | 180 | 21.28 | 136 | 967 | 121 |
| 8 | 13 | sm(4) | - | - | 37 | 259 | - | - | 99.04 | 136 | 844 | 115 |
| 9 | 3 | inc(2) | 6 | 25 | 8 | 34 | 6 | 25 | 2.71 | 611 | 216 | 51 |
| 9 | 3 | sm(2) | - | - | 7 | 29 | - | - | 52.83 | 122 | 209 | 51 |
| 9 | 3 | inc(3) | 13 | 69 | 19 | 97 | 9 | 45 | 7.59 | 122 | 478 | 85 |
| 9 | 3 | sm(3) | - | - | 14 | 78 | - | - | 67.54 | 122 | 448 | 80 |
| 9 | 3 | inc(4) | 30 | 197 | 49 | 312 | 22 | 141 | 7.67 | 122 | 842 | 113 |
| 9 | 3 | sm(4) | - | - | 32 | 223 | - | - | 87.86 | 122 | 777 | 107 |
| 14 | 11 | inc(2) | 8 | 34 | 9 | 41 | 8 | 34 | 0.88 | 707 | 296 | 69 |
| 14 | 11 | sm(2) | - | - | 7 | 31 | - | - | 52.08 | 141 | 298 | 68 |
| 14 | 11 | inc(3) | 18 | 91 | 23 | 121 | 15 | 74 | 4.53 | 141 | 547 | 96 |
| 14 | 11 | sm(3) | - | - | 16 | 94 | - | - | 63.38 | 141 | 493 | 96 |
| 14 | 11 | inc(4) | 44 | 275 | 68 | 473 | 34 | 206 | 21.45 | 141 | 1045 | 129 |
| 14 | 11 | sm(4) | - | - | 39 | 280 | - | - | 130.03 | 141 | 961 | 123 |
| 18 | 16 | inc(2) | 4 | 22 | 5 | 28 | 4 | 22 | 0.92 | 597 | 205 | 46 |
| 18 | 16 | sm(2) | - | - | 5 | 25 | - | - | 57.14 | 119 | 179 | 42 |
| 18 | 16 | inc(3) | 10 | 63 | 15 | 94 | 8 | 51 | 3.84 | 119 | 446 | 81 |
| 18 | 16 | sm(3) | - | - | 12 | 72 | - | - | 64.84 | 119 | 388 | 76 |
| 18 | 16 | inc(4) | 26 | 187 | 41 | 279 | 19 | 138 | 32.35 | 119 | 802 | 109 |
| 18 | 16 | sm(4) | - | - | 30 | 215 | - | - | 139.84 | 119 | 754 | 106 |
| 19 | 7 | inc(2) | 6 | 31 | 8 | 36 | 6 | 31 | 1.20 | 622 | 213 | 53 |
| 19 | 7 | sm(2) | - | - | 8 | 33 | - | - | 55.59 | 124 | 210 | 53 |
| 19 | 7 | inc(3) | 15 | 85 | 18 | 98 | 11 | 63 | 2.64 | 124 | 476 | 85 |
| 19 | 7 | sm(3) | - | - | 15 | 82 | - | - | 65.86 | 124 | 462 | 83 |
| 19 | 7 | inc(4) | 40 | 265 | 43 | 280 | 31 | 206 | 3.66 | 124 | 788 | 110 |
| 19 | 7 | sm(4) | - | - | 33 | 227 | - | - | 92.83 | 124 | 762 | 110 |
| 21 | 7 | inc(2) | 6 | 27 | 8 | 36 | 6 | 27 | 1.07 | 622 | 213 | 53 |
| 21 | 7 | sm(2) | - | - | 8 | 33 | - | - | 55.59 | 124 | 210 | 53 |
| 21 | 7 | inc(3) | 13 | 71 | 19 | 104 | 9 | 49 | 5.37 | 124 | 493 | 87 |
| 21 | 7 | sm(3) | - | - | 15 | 82 | - | - | 65.86 | 124 | 462 | 83 |
| 21 | 7 | inc(4) | 30 | 199 | 45 | 285 | 25 | 162 | 19.36 | 124 | 801 | 110 |
| 21 | 7 | sm(4) | - | - | 33 | 227 | - | - | 92.83 | 124 | 762 | 110 |
| 23 | 19 | inc(2) | 8 | 36 | 9 | 42 | 8 | 36 | 0.81 | 707 | 304 | 73 |
| 23 | 19 | sm(2) | - | - | 8 | 34 | - | - | 54.10 | 141 | 273 | 68 |
| 23 | 19 | inc(3) | 18 | 95 | 23 | 119 | 12 | 59 | 3.96 | 141 | 554 | 102 |
| 23 | 19 | sm(3) | - | - | 17 | 94 | - | - | 64.29 | 141 | 545 | 100 |
| 23 | 19 | inc(4) | 43 | 278 | 57 | 355 | 27 | 166 | 22.17 | 141 | 956 | 130 |
| 23 | 19 | sm(4) | - | - | 40 | 272 | - | - | 122.23 | 141 | 910 | 130 |
| 26 | 20 | inc(2) | 5 | 27 | 6 | 33 | 5 | 27 | 0.84 | 682 | 304 | 61 |
| 26 | 20 | sm(2) | - | - | 4 | 23 | - | - | 54.89 | 136 | 263 | 54 |
| 26 | 20 | inc(3) | 14 | 87 | 20 | 121 | 8 | 50 | 6.48 | 136 | 569 | 94 |
| 26 | 20 | sm(3) | - | - | 13 | 84 | - | - | 66.21 | 136 | 573 | 91 |

| | | | | | | | | | | | | |
|----|----|--------|----|-----|----|-----|----|-----|--------|-----|------|-----|
| 26 | 20 | inc(4) | 38 | 273 | 53 | 357 | 30 | 211 | 34.64 | 136 | 1003 | 125 |
| 26 | 20 | sm(4) | - | - | 36 | 268 | - | - | 130.52 | 136 | 922 | 122 |
| 27 | 11 | inc(2) | 7 | 36 | 9 | 41 | 7 | 36 | 1.19 | 707 | 296 | 69 |
| 27 | 11 | sm(2) | - | - | 7 | 31 | - | - | 52.08 | 141 | 298 | 68 |
| 27 | 11 | inc(3) | 19 | 106 | 22 | 118 | 15 | 83 | 3.22 | 141 | 567 | 97 |
| 27 | 11 | sm(3) | - | - | 16 | 94 | - | - | 63.38 | 141 | 493 | 96 |
| 27 | 11 | inc(4) | 51 | 366 | 55 | 368 | 34 | 221 | 2.45 | 141 | 1016 | 130 |
| 27 | 11 | sm(4) | - | - | 39 | 280 | - | - | 130.03 | 141 | 961 | 123 |
| 28 | 21 | inc(2) | 7 | 36 | 8 | 42 | 7 | 36 | 0.75 | 776 | 336 | 71 |
| 28 | 21 | sm(2) | - | - | 6 | 30 | - | - | 55.76 | 155 | 288 | 67 |
| 28 | 21 | inc(3) | 19 | 116 | 24 | 133 | 13 | 73 | 5.06 | 155 | 635 | 109 |
| 28 | 21 | sm(3) | - | - | 18 | 105 | - | - | 64.75 | 155 | 589 | 105 |
| 28 | 21 | inc(4) | 51 | 338 | 69 | 444 | 39 | 252 | 18.69 | 155 | 1232 | 137 |
| 28 | 21 | sm(4) | - | - | 49 | 334 | - | - | 125.29 | 155 | 1012 | 133 |
| 30 | 22 | inc(2) | 7 | 32 | 8 | 38 | 7 | 32 | 0.89 | 698 | 262 | 54 |
| 30 | 22 | sm(2) | - | - | 6 | 28 | - | - | 55.45 | 140 | 271 | 56 |
| 30 | 22 | inc(3) | 17 | 94 | 22 | 116 | 16 | 86 | 4.67 | 140 | 564 | 94 |
| 30 | 22 | sm(3) | - | - | 15 | 91 | - | - | 67.50 | 140 | 562 | 93 |
| 30 | 22 | inc(4) | 43 | 284 | 61 | 418 | 32 | 203 | 23.83 | 140 | 1097 | 127 |
| 30 | 22 | sm(4) | - | - | 38 | 277 | - | - | 125.71 | 140 | 950 | 125 |
| 31 | 23 | inc(2) | 9 | 41 | 10 | 47 | 9 | 41 | 0.77 | 158 | 317 | 69 |
| 31 | 23 | sm(2) | - | - | 8 | 35 | - | - | 58.58 | 158 | 271 | 64 |
| 31 | 23 | inc(3) | 22 | 124 | 29 | 159 | 16 | 80 | 5.78 | 158 | 598 | 106 |
| 31 | 23 | sm(3) | - | - | 20 | 112 | - | - | 67.77 | 158 | 606 | 104 |
| 31 | 23 | inc(4) | 55 | 364 | 80 | 581 | 34 | 206 | 23.57 | 158 | 1171 | 139 |
| 31 | 23 | sm(4) | - | - | 51 | 343 | - | - | 125.08 | 158 | 983 | 135 |
| 33 | 14 | inc(2) | 5 | 26 | 7 | 31 | 5 | 26 | 1.27 | 120 | 203 | 47 |
| 33 | 14 | sm(2) | - | - | 6 | 26 | - | - | 63.33 | 120 | 241 | 54 |
| 33 | 14 | inc(3) | 14 | 82 | 17 | 88 | 13 | 75 | 2.07 | 120 | 412 | 81 |
| 33 | 14 | sm(3) | - | - | 13 | 75 | - | - | 63.53 | 120 | 444 | 80 |
| 33 | 14 | inc(4) | 39 | 260 | 42 | 275 | 28 | 185 | 2.80 | 120 | 824 | 111 |
| 33 | 14 | sm(4) | - | - | 31 | 220 | - | - | 123.45 | 120 | 784 | 106 |
| 34 | 16 | inc(2) | 5 | 26 | 6 | 30 | 5 | 26 | 0.82 | 597 | 207 | 46 |
| 34 | 16 | sm(2) | - | - | 5 | 25 | - | - | 57.14 | 119 | 179 | 42 |
| 34 | 16 | inc(3) | 14 | 82 | 15 | 85 | 9 | 51 | 1.51 | 119 | 410 | 78 |
| 34 | 16 | sm(3) | - | - | 12 | 72 | - | - | 64.84 | 119 | 388 | 76 |
| 34 | 16 | inc(4) | 38 | 261 | 39 | 267 | 26 | 175 | 3.67 | 119 | 802 | 108 |
| 34 | 16 | sm(4) | - | - | 30 | 215 | - | - | 139.84 | 119 | 754 | 106 |
| 35 | 20 | inc(2) | 5 | 26 | 6 | 33 | 5 | 26 | 0.96 | 682 | 304 | 61 |
| 35 | 20 | sm(2) | - | - | 4 | 23 | - | - | 54.89 | 136 | 263 | 54 |
| 35 | 20 | inc(3) | 14 | 80 | 19 | 108 | 10 | 56 | 4.96 | 136 | 529 | 92 |
| 35 | 20 | sm(3) | - | - | 13 | 84 | - | - | 66.21 | 136 | 573 | 91 |
| 35 | 20 | inc(4) | 38 | 261 | 62 | 453 | 23 | 155 | 27.16 | 136 | 1097 | 123 |
| 35 | 20 | sm(4) | - | - | 36 | 268 | - | - | 130.52 | 136 | 922 | 122 |
| 36 | 15 | inc(2) | 7 | 35 | 9 | 40 | 7 | 35 | 0.98 | 696 | 275 | 61 |
| 36 | 15 | sm(2) | - | - | 7 | 30 | - | - | 54.21 | 139 | 266 | 62 |

| | | | | | | | | | | | | |
|----|----|--------|----|-----|----|-----|----|-----|--------|-----|------|-----|
| 36 | 15 | inc(3) | 19 | 102 | 22 | 116 | 15 | 80 | 2.26 | 139 | 598 | 98 |
| 36 | 15 | sm(3) | - | - | 16 | 90 | - | - | 65.04 | 139 | 595 | 101 |
| 36 | 15 | inc(4) | 52 | 334 | 55 | 356 | 28 | 181 | 2.61 | 139 | 924 | 119 |
| 36 | 15 | sm(4) | - | - | 39 | 268 | - | - | 106.27 | 139 | 890 | 115 |
| 39 | 15 | inc(2) | 7 | 31 | 9 | 40 | 7 | 31 | 1.20 | 696 | 275 | 61 |
| 39 | 15 | sm(2) | - | - | 7 | 30 | - | - | 54.21 | 139 | 266 | 62 |
| 39 | 15 | inc(3) | 17 | 91 | 24 | 131 | 17 | 91 | 5.54 | 139 | 553 | 95 |
| 39 | 15 | sm(3) | - | - | 16 | 90 | - | - | 65.04 | 139 | 595 | 101 |
| 39 | 15 | inc(4) | 42 | 267 | 63 | 427 | 26 | 162 | 25.72 | 139 | 1000 | 123 |
| 39 | 15 | sm(4) | - | - | 39 | 268 | - | - | 106.27 | 139 | 890 | 115 |
| 40 | 18 | inc(2) | 7 | 31 | 8 | 35 | 7 | 31 | 1.00 | 613 | 227 | 54 |
| 40 | 18 | sm(2) | - | - | 7 | 30 | - | - | 55.34 | 123 | 226 | 54 |
| 40 | 18 | inc(3) | 17 | 88 | 18 | 97 | 15 | 78 | 2.28 | 123 | 503 | 86 |
| 40 | 18 | sm(3) | - | - | 14 | 79 | - | - | 68.29 | 123 | 466 | 82 |
| 40 | 18 | inc(4) | 42 | 275 | 43 | 274 | 32 | 201 | 2.38 | 123 | 802 | 108 |
| 40 | 18 | sm(4) | - | - | 32 | 224 | - | - | 111.23 | 123 | 755 | 108 |
| 45 | 18 | inc(2) | 5 | 28 | 7 | 33 | 5 | 28 | 1.23 | 613 | 225 | 54 |
| 45 | 18 | sm(2) | - | - | 7 | 30 | - | - | 55.34 | 123 | 226 | 54 |
| 45 | 18 | inc(3) | 14 | 87 | 17 | 95 | 10 | 60 | 1.90 | 123 | 501 | 86 |
| 45 | 18 | sm(3) | - | - | 14 | 79 | - | - | 68.29 | 123 | 466 | 82 |
| 45 | 18 | inc(4) | 38 | 260 | 42 | 268 | 30 | 200 | 2.40 | 123 | 800 | 110 |
| 45 | 18 | sm(4) | - | - | 32 | 224 | - | - | 111.23 | 123 | 755 | 108 |
| 47 | 19 | inc(2) | 7 | 33 | 9 | 42 | 7 | 33 | 1.13 | 707 | 304 | 73 |
| 47 | 19 | sm(2) | - | - | 8 | 34 | - | - | 54.10 | 141 | 273 | 68 |
| 47 | 19 | inc(3) | 17 | 90 | 23 | 130 | 13 | 68 | 6.32 | 141 | 616 | 103 |
| 47 | 19 | sm(3) | - | - | 17 | 94 | - | - | 64.29 | 141 | 545 | 100 |
| 47 | 19 | inc(4) | 42 | 269 | 60 | 381 | 32 | 202 | 23.87 | 141 | 1007 | 131 |
| 47 | 19 | sm(4) | - | - | 40 | 272 | - | - | 122.23 | 141 | 910 | 130 |
| 48 | 21 | inc(2) | 6 | 33 | 8 | 42 | 6 | 33 | 1.49 | 776 | 336 | 71 |
| 48 | 21 | sm(2) | - | - | 6 | 30 | - | - | 55.76 | 155 | 288 | 67 |
| 48 | 21 | inc(3) | 18 | 103 | 26 | 157 | 11 | 64 | 6.24 | 155 | 705 | 108 |
| 48 | 21 | sm(3) | - | - | 18 | 105 | - | - | 64.75 | 155 | 589 | 105 |
| 48 | 21 | inc(4) | 50 | 341 | 65 | 423 | 34 | 226 | 19.87 | 155 | 1141 | 138 |
| 48 | 21 | sm(4) | - | - | 49 | 334 | - | - | 125.29 | 155 | 1012 | 133 |
| 49 | 22 | inc(2) | 6 | 33 | 8 | 38 | 6 | 33 | 1.45 | 698 | 262 | 54 |
| 49 | 22 | sm(2) | - | - | 6 | 28 | - | - | 55.45 | 140 | 271 | 56 |
| 49 | 22 | inc(3) | 18 | 109 | 21 | 121 | 12 | 69 | 1.96 | 140 | 625 | 98 |
| 49 | 22 | sm(3) | - | - | 15 | 91 | - | - | 67.50 | 140 | 562 | 93 |
| 49 | 22 | inc(4) | 51 | 347 | 54 | 347 | 32 | 211 | 3.99 | 140 | 990 | 126 |
| 49 | 22 | sm(4) | - | - | 38 | 277 | - | - | 125.71 | 140 | 950 | 125 |
| 51 | 23 | inc(2) | 8 | 38 | 10 | 47 | 8 | 38 | 1.36 | 792 | 317 | 69 |
| 51 | 23 | sm(2) | - | - | 8 | 35 | - | - | 58.58 | 158 | 271 | 64 |
| 51 | 23 | inc(3) | 21 | 111 | 29 | 165 | 15 | 76 | 5.62 | 158 | 669 | 106 |
| 51 | 23 | sm(3) | - | - | 20 | 112 | - | - | 67.77 | 158 | 606 | 104 |
| 51 | 23 | inc(4) | 54 | 355 | 80 | 581 | 44 | 289 | 23.20 | 158 | 1176 | 142 |
| 51 | 23 | sm(4) | - | - | 51 | 343 | - | - | 125.08 | 158 | 983 | 135 |