

Online Supplement of the Paper “Integrated Scheduling of Production and Two-Stage Delivery of Make-to-Order Products: Offline and Online Algorithms” Lixin Tang, Feng Li and Zhi-Long Chen

Real production data used in the computational experiments

| instance | (n, m, k) | c_0 | t_0 | f_0 | n_i | c_i | t_i | f_i | P_{ij} |
|----------|-------------|-------|-------|-------|-------|-------|-------|--------|--|
| 1 | (30,1,1) | 3 | 47 | 75 | 30 | 30 | 155 | 18750 | 23, 27, 23, 24, 15, 19, 20, 22, 19, 18, 32, 33, 26, 24, 27, 17, 15, 19, 23, 16, 26, 23, 22, 33, 18, 22, 23, 33, 34, 16 |
| 2 | (30,1,1) | 3 | 47 | 75 | 30 | 30 | 157 | 19500 | 21, 30, 31, 31, 21, 18, 18, 24, 20, 15, 22, 32, 31, 31, 26, 23, 26, 21, 25, 32, 24, 27, 27, 19, 35, 35, 30, 16, 24, 17 |
| 3 | (30,1,1) | 3 | 47 | 75 | 30 | 70 | 406 | 117250 | 19, 20, 31, 25, 19, 16, 16, 34, 21, 33, 33, 17, 23, 25, 34, 21, 15, 23, 27, 19, 29, 32, 32, 27, 31, 27, 16, 20, 35, 19 |
| 4 | (30,1,1) | 3 | 47 | 75 | 30 | 30 | 138 | 17250 | 17, 23, 18, 32, 25, 15, 34, 15, 22, 22, 22, 16, 15, 32, 33, 27, 26, 17, 17, 27, 26, 15, 25, 21, 27, 19, 30, 23, 25, 34 |
| 5 | (30,1,1) | 3 | 47 | 75 | 30 | 30 | 140 | 17250 | 15, 25, 18, 18, 23, 35, 24, 25, 15, 19, 33, 23, 28, 26, 20, 24, 16, 19, 19, 22, 31, 19, 30, 29, 23, 32, 16, 27, 23, 35 |
| 6 | (30,1,1) | 3 | 47 | 75 | 30 | 70 | 409 | 119000 | 34, 15, 27, 26, 29, 33, 22, 15, 16, 16, 23, 22, 19, 20, 19, 30, 26, 21, 22, 30, 29, 23, 35, 24, 27, 24, 23, 31, 34, 29 |
| 7 | (30,1,1) | 3 | 47 | 75 | 30 | 30 | 121 | 15000 | 32, 18, 27, 33, 27, 32, 20, 17, 17, 34, 33, 28, 32, 27, 26, 28, 16, 23, 32, 18, 26, 27, 28, 31, 23, 16, 29, 34, 23, 31 |
| 8 | (30,1,1) | 3 | 47 | 75 | 30 | 70 | 598 | 173250 | 29, 21, 35, 27, 33, 30, 17, 27, 18, 23, 23, 27, 24, 21, 26, 34, 18, 17, 34, 26, 31, 31, 33, 18, 19, 29, 15, 17, 34, 24 |
| 9 | (30,1,1) | 3 | 47 | 75 | 30 | 70 | 412 | 119000 | 27, 31, 22, 34, 31, 29, 15, 29, 19, 20, 34, 34, 16, 35, 25, 32, 29, 19, 24, 21, 28, 35, 25, 33, 15, 22, 22, 21, 32, 26 |
| 10 | (30,1,1) | 3 | 47 | 75 | 30 | 30 | 104 | 12750 | 25, 34, 22, 20, 17, 27, 34, 18, 20, 17, 23, 32, 29, 21, 32, 17, 18, 21, 26, 29, 34, 18, 31, 20, 33, 35, 29, 16, 22, 27 |
| 11 | (36,1,1) | 3 | 47 | 75 | 36 | 70 | 366 | 106750 | 32, 29, 21, 28, 34, 18, 21, 15, 32, 15, 29, 15, 29, 16, 31, 22, 15, 35, 29, 27, 35, 20, 33, 21, 24, 30, 32, 35, 16, 20, 20, 25, 26, 15, 15, 16 |
| 12 | (36,1,1) | 3 | 47 | 75 | 36 | 30 | 169 | 21000 | 29, 31, 35, 25, 24, 17, 33, 22, 18, 21, 18, 17, 18, 32, 15, 26, 28, 22, 25, 19, 21, 24, 23, 23, 32, 17, 19, 19, 17, 21, 32, 19, 34, 20, 21, 15 |
| 13 | (36,1,1) | 3 | 47 | 75 | 36 | 70 | 537 | 155750 | 27, 20, 15, 22, 34, 23, 17, 16, 17, 18, 29, 18, 20, 19, 34, 30, 33, 29, 21, 32, 15, 27, 34, 16, 27, 25, 35, 24, 31, 30, 31, 26, 29, 17, 35, 23 |
| 14 | (36,1,1) | 3 | 47 | 75 | 36 | 30 | 77 | 9000 | 25, 22, 16, 19, 24, 22, 30, 31, 17, 24, 18, 20, 23, 27, 18, 34, 18, 24, 25, 24, 21, 31, 32, 18, 15, 19, 22, 28, 32, 31, 22, 20, 17, 35, 20, 31 |
| 15 | (36,1,1) | 3 | 47 | 75 | 36 | 30 | 175 | 21750 | 23, 33, 17, 29, 35, 29, 22, 17, 24, 22, 29, 35, 33, 22, 15, 17, 31, 31, 21, 16, 28, 35, 22, 33, 23, 27, 30, 33, 33, 32, 22, 28, 33, 32, 34, 30 |
| 16 | (36,1,1) | 3 | 47 | 75 | 36 | 70 | 548 | 159250 | 20, 35, 18, 26, 24, 27, 35, 32, 24, 28, 19, 16, 35, 30, 20, 21, 15, 26, 17, 29, 35, 17, 32, 34, 18, 35, 17, 17, 26, 20, 34, 22, 28, 29, 27, 17 |
| 17 | (36,1,1) | 3 | 47 | 75 | 36 | 30 | 83 | 9750 | 18, 24, 19, 23, 35, 34, 26, 18, 31, 26, 29, 18, 25, 17, 18, |

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| | | | | | | | | | 33, 29, 34, 34, 21, 20, 21, 22, 15, 26, 30, 25, 22, 27, 22, 33, 29, 15, 26, 32, 24 |
| 18 | (36,1,1) | 3 | 47 | 75 | 36 | 30 | 60 | 7500 | 16, 34, 20, 20, 25, 33, 18, 32, 30, 32, 19, 33, 27, 33, 15, 17, 34, 28, 30, 26, 27, 25, 20, 30, 34, 16, 33, 26, 29, 23, 24, 23, 31, 23, 25, 24 |
| 19 | (36,1,1) | 3 | 47 | 75 | 36 | 30 | 135 | 16500 | 35, 15, 34, 30, 35, 31, 31, 26, 17, 30, 21, 35, 30, 20, 20, 21, 18, 15, 26, 18, 34, 28, 31, 31, 29, 32, 20, 31, 22, 32, 24, 17, 18, 20, 31, 32 |
| 20 | (36,1,1) | 3 | 47 | 75 | 36 | 70 | 399 | 115500 | 32, 26, 35, 27, 25, 17, 23, 33, 16, 35, 32, 16, 19, 28, 17, 25, 32, 22, 22, 31, 19, 32, 21, 25, 16, 19, 15, 15, 23, 33, 15, 24, 35, 16, 24, 18 |
| 21 | (42,1,2) | 3 | 47 | 75 | 19, 23 | 70, 70 | 187, 426 | 54250, 124250 | 15, 27, 15, 33, 21, 18, 21, 23, 23, 29, 16, 17, 26, 23, 26, 15, 32, 27, 24, 27, 23, 20, 24, 34, 35, 18, 30, 34, 17, 18, 22, 23, 18, 17, 20, 17, 31, 32, 20, 35, 32, 30 |
| 22 | (42,1,2) | 3 | 47 | 75 | 22, 20 | 70, 30 | 249, 90 | 71750, 11250 | 28, 21, 23, 18, 32, 33, 24, 31, 20, 33, 21, 24, 22, 15, 20, 18, 30, 20, 32, 21, 31, 24, 17, 22, 26, 25, 17, 31, 23, 25, 15, 32, 15, 34, 28, 26, 34, 32, 15, 35, 33, 29 |
| 23 | (42,1,2) | 3 | 47 | 75 | 21, 21 | 70, 30 | 311, 122 | 89250, 15000 | 32, 28, 22, 16, 21, 35, 34, 18, 25, 16, 35, 19, 18, 28, 26, 35, 20, 22, 27, 29, 18, 29, 18, 23, 18, 19, 33, 28, 15, 33, 21, 33, 33, 30, 23, 34, 29, 24, 31, 35, 34, 28 |
| 24 | (42,1,2) | 3 | 47 | 75 | 21, 21 | 70, 70 | 304, 234 | 87500, 68250 | 24, 22, 29, 22, 32, 16, 16, 26, 22, 20, 19, 26, 35, 20, 33, 18, 31, 16, 35, 16, 26, 34, 32, 24, 17, 35, 20, 25, 21, 33, 35, 33, 21, 26, 32, 22, 24, 24, 26, 27, 27, 27 |
| 25 | (42,1,2) | 3 | 47 | 75 | 20, 22 | 70, 30 | 366, 63 | 106750, 7500 | 16, 29, 29, 20, 21, 31, 18, 21, 28, 24, 32, 34, 31, 33, 19, 21, 21, 17, 22, 31, 34, 17, 33, 33, 29, 21, 15, 22, 35, 19, 28, 21, 18, 22, 27, 31, 19, 17, 21, 27, 28, 25 |
| 26 | (42,1,2) | 3 | 47 | 75 | 19, 23 | 30, 30 | 103, 118 | 12750, 14250 | 29, 23, 15, 26, 32, 33, 28, 29, 25, 28, 16, 28, 27, 25, 25, 25, 31, 19, 17, 18, 21, 22, 34, 34, 28, 15, 24, 19, 20, 27, 34, 22, 15, 18, 22, 18, 15, 30, 16, 27, 21, 32 |
| 27 | (42,1,2) | 3 | 47 | 75 | 26, 16 | 30, 70 | 130, 533 | 15750, 154000 | 21, 16, 15, 24, 21, 35, 31, 16, 30, 32, 22, 15, 23, 17, 32, 29, 29, 34, 25, 26, 16, 27, 27, 35, 20, 22, 19, 16, 34, 26, 27, 22, 33, 22, 30, 27, 31, 30, 32, 27, 22, 31 |
| 28 | (42,1,2) | 3 | 47 | 75 | 24, 18 | 30, 30 | 133, 60 | 16500, 7500 | 33, 23, 35, 21, 32, 16, 20, 32, 27, 15, 35, 30, 19, 30, 18, 32, 19, 35, 34, 21, 23, 32, 28, 23, 19, 16, 35, 21, 27, 34, 20, 31, 22, 18, 25, 28, 26, 22, 19, 20, 23, 29 |
| 29 | (42,1,2) | 3 | 47 | 75 | 19, 23 | 30, 70 | 160, 265 | 19500, 77000 | 25, 17, 21, 27, 22, 31, 23, 20, 25, 19, 19, 17, 23, 22, 24, 15, 30, 29, 21, 28, 31, 15, 29, 24, 31, 23, 22, 18, 32, 20, 26, 32, 18, 35, 20, 15, 29, 22, 35, 20, 16, 28 |
| 30 | (42,1,2) | 3 | 47 | 75 | 26, 16 | 30, 70 | 163, 411 | 20250, 119000 | 17, 32, 21, 25, 24, 33, 25, 28, 30, 23, 25, 25, 19, 35, 31, 19, 20, 30, 16, 15, 18, 20, 22, 25, 30, 17, 17, 15, 25, 20, 19, 33, 15, 31, 28, 24, 24, 35, 30, 20, 17, 27 |
| 31 | (48,1,2) | 3 | 47 | 75 | 21, 27 | 30, 70 | 113, 201 | 13500, 57750 | 35, 23, 27, 27, 17, 19, 15, 27, 25, 22, 18, 24, 24, 31, 26, 25, 23, 34, 21, 32, 25, 33, 31, 28, 33, 33, 25, 27, 23, 33, 19, 35, 25, 33, 19, 26, 27, 15, 35, 25, 34, 22, 17, 22, 26, 17, 28, 19 |

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| 32 | (48,1,2) | 3 | 47 | 75 | 30, 18 | 30, 70 | 142, 270 | 17250, 78750 | 17, 31, 32, 32, 22, 27, 32, 19, 31, 26, 29, 26, 32, 18, 34, 30, 24, 35, 21, 19, 21, 30, 24, 35, 18, 21, 22, 23, 31, 20, 15, 27, 20, 33, 33, 24, 35, 25, 35, 18, 21, 35, 19, 22, 23, 18, 23, 15 |
| 33 | (48,1,2) | 3 | 47 | 75 | 28, 20 | 30, 30 | 148, 121 | 18000, 15000 | 19, 18, 30, 15, 15, 21, 28, 32, 17, 30, 19, 27, 27, 25, 21, 34, 17, 15, 33, 34, 16, 27, 17, 35, 32, 22, 19, 19, 26, 29, 31, 27, 15, 33, 34, 23, 29, 15, 34, 25, 22, 19, 20, 21, 32, 19, 31, 24 |
| 34 | (48,1,2) | 3 | 47 | 75 | 29, 19 | 30, 30 | 178, 100 | 21750, 12000 | 29, 34, 35, 19, 20, 29, 24, 24, 24, 33, 30, 21, 35, 20, 16, 18, 18, 24, 32, 20, 24, 24, 23, 21, 25, 22, 15, 15, 22, 17, 26, 19, 31, 33, 27, 22, 15, 17, 34, 19, 31, 31, 30, 34, 29, 19, 26, 20 |
| 35 | (48,1,2) | 3 | 47 | 75 | 25, 23 | 30, 30 | 63, 176 | 7500, 21750 | 32, 21, 32, 23, 25, 23, 20, 16, 31, 16, 27, 23, 22, 28, 24, 23, 19, 25, 23, 35, 19, 21, 15, 29, 31, 31, 25, 32, 30, 25, 21, 32, 26, 25, 28, 28, 31, 27, 33, 34, 18, 15, 31, 34, 25, 20, 22, 16 |
| 36 | (48,1,2) | 3 | 47 | 75 | 27, 21 | 30, 30 | 92, 154 | 11250, 18750 | 21, 29, 16, 35, 17, 31, 24, 29, 16, 33, 17, 16, 17, 35, 32, 28, 33, 26, 23, 21, 27, 17, 21, 29, 24, 32, 22, 28, 25, 34, 24, 32, 21, 26, 29, 27, 17, 17, 32, 19, 19, 28, 33, 34, 22, 20, 30, 33 |
| 37 | (48,1,2) | 3 | 47 | 75 | 28, 20 | 30, 70 | 99, 546 | 12000, 159250 | 24, 16, 35, 18, 23, 17, 20, 21, 23, 15, 28, 18, 25, 30, 19, 32, 34, 15, 35, 15, 23, 35, 35, 15, 17, 32, 19, 24, 20, 35, 19, 25, 16, 26, 22, 26, 32, 27, 32, 34, 28, 33, 34, 26, 31, 21, 25, 29 |
| 38 | (48,1,2) | 3 | 47 | 75 | 24, 24 | 30, 30 | 105, 111 | 12750, 13500 | 26, 32, 32, 22, 28, 33, 16, 34, 30, 19, 18, 33, 33, 17, 27, 16, 15, 16, 26, 30, 31, 32, 28, 23, 23, 20, 28, 20, 28, 22, 15, 25, 32, 18, 23, 25, 19, 30, 31, 28, 15, 25, 15, 26, 28, 22, 33, 17 |
| 39 | (48,1,2) | 3 | 47 | 75 | 17, 31 | 30, 30 | 134, 89 | 16500, 10500 | 15, 19, 16, 26, 20, 19, 33, 26, 15, 23, 29, 34, 20, 25, 35, 21, 29, 17, 25, 16, 26, 29, 34, 22, 16, 21, 25, 16, 23, 31, 31, 17, 19, 18, 24, 23, 26, 19, 31, 34, 16, 29, 16, 26, 24, 22, 28, 34 |
| 40 | (48,1,2) | 3 | 47 | 75 | 29, 19 | 70, 30 | 441, 67 | 127750 , 8250 | 18, 27, 34, 30, 26, 35, 29, 18, 30, 26, 27, 28, 15, 19, 22, 26, 30, 26, 17, 31, 21, 26, 27, 30, 30, 22, 22, 33, 31, 19, 26, 17, 35, 18, 17, 22, 20, 29, 30, 28, 24, 21, 18, 17, 20, 23, 23, 30 |
| 41 | (62,2,1) | 3 | 47 | 75 | 62 | 70 | 211 | 61250 | 17, 30, 31, 27, 16, 18, 29, 23, 32, 17, 15, 22, 19, 29, 26, 27, 21, 30, 30, 18, 18, 21, 28, 19, 30, 22, 33, 26, 19, 17, 30, 24, 32, 26, 21, 33, 15, 18, 22, 30, 27, 25, 18, 26, 28, 26, 16, 23, 32, 34, 20, 26, 20, 20, 32, 33, 26, 25, 24, 29, 17, 33 |
| 42 | (62,2,1) | 3 | 47 | 75 | 62 | 30 | 122 | 15000 | 25, 35, 24, 28, 28, 33, 24, 20, 25, 24, 29, 31, 29, 25, 21, 15, 16, 22, 25, 31, 32, 19, 22, 29, 29, 28, 34, 18, 21, 17, 26, 24, 27, 35, 17, 28, 23, 33, 15, 22, 32, 21, 26, 29, 16, 26, 30, 33, 27, 21, 19, 26, 18, 17, 23, 19, 24, 26, 18, 18, 19, 33 |

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| 43 | (62,2,1) | 3 | 47 | 75 | 62 | 30 | 154 | 18750 | 33, 32, 25, 16, 27, 19, 33, 25, 18, 24, 22, 32, 25, 21, 29, 23, 32, 22, 20, 31, 33, 18, 29, 32, 29, 22, 21, 23, 30, 30, 23, 25, 22, 31, 27, 22, 24, 27, 22, 35, 29, 16, 33, 24, 33, 25, 15, 23, 22, 22, 26, 17, 29, 21, 15, 25, 31, 20, 25, 28, 35, 25 |
| 44 | (62,2,1) | 3 | 47 | 75 | 62 | 30 | 88 | 10500 | 20, 15, 26, 17, 19, 34, 28, 22, 24, 31, 28, 32, 22, 17, 25, 32, 15, 35, 15, 31, 34, 25, 24, 21, 28, 16, 30, 35, 32, 30, 32, 26, 30, 27, 23, 16, 25, 21, 16, 35, 34, 32, 20, 27, 29, 16, 29, 34, 17, 30, 25, 30, 27, 18, 28, 32, 29, 22, 18, 31, 29, 18 |
| 45 | (62,2,1) | 3 | 47 | 75 | 62 | 70 | 295 | 85750 | 28, 20, 19, 18, 18, 28, 23, 19, 17, 18, 21, 20, 19, 34, 20, 20, 31, 35, 31, 24, 27, 24, 31, 31, 20, 23, 31, 19, 33, 30, 29, 26, 25, 23, 32, 31, 25, 35, 23, 27, 18, 28, 19, 22, 25, 15, 15, 24, 33, 31, 23, 21, 25, 22, 19, 17, 27, 23, 33, 20, 23, 31 |
| 46 | (62,2,1) | 3 | 47 | 75 | 62 | 70 | 193 | 56000 | 15, 25, 20, 27, 30, 35, 31, 16, 23, 17, 35, 21, 29, 30, 28, 20, 26, 27, 26, 24, 28, 22, 18, 21, 19, 16, 18, 32, 35, 22, 25, 27, 34, 32, 29, 26, 26, 29, 17, 27, 22, 15, 27, 25, 21, 15, 29, 34, 28, 18, 30, 33, 23, 19, 32, 32, 33, 25, 27, 30, 18, 23 |
| 47 | (62,2,1) | 3 | 47 | 75 | 62 | 30 | 63 | 7500 | 22, 30, 34, 28, 29, 29, 26, 34, 15, 25, 20, 21, 26, 26, 23, 29, 21, 27, 21, 24, 29, 21, 33, 23, 18, 31, 27, 16, 15, 21, 21, 15, 29, 28, 17, 20, 26, 23, 24, 19, 27, 32, 35, 20, 17, 27, 35, 24, 23, 19, 29, 33, 21, 16, 24, 17, 31, 19, 21, 32, 33, 24 |
| 48 | (62,2,1) | 3 | 47 | 75 | 62 | 30 | 118 | 14250 | 17, 34, 35, 29, 21, 15, 34, 31, 29, 33, 34, 30, 22, 22, 31, 17, 16, 19, 16, 24, 22, 20, 19, 34, 18, 17, 27, 29, 17, 21, 31, 15, 24, 24, 34, 22, 27, 17, 18, 32, 32, 27, 21, 23, 34, 26, 28, 35, 18, 27, 28, 24, 32, 20, 15, 24, 29, 20, 28, 21, 35, 16 |
| 49 | (62,2,1) | 3 | 47 | 75 | 62 | 30 | 150 | 18750 | 25, 18, 15, 17, 20, 30, 30, 28, 35, 32, 27, 31, 32, 18, 26, 25, 32, 19, 33, 16, 23, 19, 35, 23, 17, 31, 15, 33, 18, 34, 27, 16, 32, 20, 23, 16, 15, 32, 32, 32, 29, 22, 21, 18, 30, 26, 34, 24, 34, 27, 27, 16, 31, 17, 28, 30, 35, 22, 22, 32, 30, 29 |
| 50 | (62,2,1) | 3 | 47 | 75 | 62 | 70 | 276 | 80500 | 33, 23, 29, 18, 32, 25, 17, 25, 28, 19, 33, 32, 29, 34, 21, 34, 28, 33, 20, 16, 16, 17, 21, 33, 17, 25, 24, 25, 19, 34, 24, 17, 27, 16, 19, 32, 15, 18, 18, 24, 34, 18, 28, 21, 26, 17, 19, 35, 29, 15, 34, 28, 29, 22, 20, 16, 34, 15, 15, 21, 24, 21 |
| 51 | (65,2,1) | 3 | 47 | 75 | 65 | 30 | 96 | 12000 | 19, 31, 32, 33, 22, 34, 26, 26, 19, 26, 30, 29, 22, 31, 25, 15, 16, 17, 16, 15, 15, 16, 32, 24, 30, 21, 34, 20, 17, 23, 25, 28, 26, 16, 33, 33, 24, 18, 26, 15, 16, 22, 16, 33, 25, 24, 15, 33, 20, 27, 18, 32, 22, 32, 17, 30, 23, 19, 35, 24, 23, 23, 30, 18, 33 |
| 52 | (65,2,1) | 3 | 47 | 75 | 65 | 70 | 600 | 175000 | 28, 22, 26, 28, 18, 27, 26, 19, 20, 22, 26, 24, 30, 26, 25, |

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| | | | | | | | | | 31, 29, 18, 15, 23, 25, 16, 26, 33, 22, 30, 26, 30, 18, 31, 21, 24, 20, 17, 27, 19, 16, 23, 22, 23, 18, 18, 16, 18, 35, 19, 24, 32, 32, 25, 15, 24, 29, 17, 19, 24, 33, 34, 35, 25, 33, 26, 27, 15, 16 |
| 53 | (65,2,1) | 3 | 47 | 75 | 65 | 30 | 147 | 18000 | 29, 35, 33, 15, 15, 32, 34, 25, 21, 32, 22, 19, 18, 21, 17, 26, 30, 32, 21, 17, 15, 15, 32, 21, 27, 32, 26, 26, 18, 26, 17, 34, 35, 17, 21, 34, 15, 28, 17, 30, 34, 35, 28, 32, 25, 35, 24, 18, 32, 23, 19, 16, 35, 15, 33, 18, 22, 15, 27, 18, 22, 29, 15, 33, 19 |
| 54 | (65,2,1) | 3 | 47 | 75 | 65 | 70 | 462 | 134750 | 30, 34, 27, 31, 33, 25, 20, 18, 21, 29, 18, 28, 27, 16, 17, 21, 30, 33, 20, 24, 25, 15, 26, 21, 18, 33, 25, 22, 19, 34, 34, 30, 30, 18, 35, 28, 28, 25, 33, 30, 16, 31, 27, 17, 15, 30, 33, 17, 23, 34, 16, 28, 29, 21, 35, 25, 24, 31, 20, 19, 32, 32, 33, 29, 15 |
| 55 | (65,2,1) | 3 | 47 | 75 | 65 | 30 | 76 | 9000 | 18, 25, 34, 19, 30, 18, 20, 32, 30, 26, 35, 23, 27, 32, 30, 16, 30, 34, 19, 32, 35, 35, 20, 30, 23, 35, 17, 19, 20, 29, 22, 18, 32, 19, 29, 34, 20, 30, 29, 16, 32, 27, 27, 31, 26, 25, 33, 16, 35, 32, 21, 33, 35, 19, 16, 19, 35, 25, 33, 20, 21, 21, 21, 18, 19 |
| 56 | (65,2,1) | 3 | 47 | 75 | 65 | 70 | 324 | 94500 | 19, 24, 28, 35, 27, 24, 27, 17, 31, 15, 31, 31, 15, 27, 30, 32, 22, 27, 18, 26, 17, 35, 26, 18, 15, 15, 17, 28, 20, 25, 18, 15, 26, 27, 23, 28, 20, 34, 16, 24, 35, 23, 18, 17, 15, 20, 21, 15, 27, 30, 17, 25, 21, 17, 30, 33, 24, 19, 33, 21, 30, 24, 17, 15, 22 |
| 57 | (65,2,1) | 3 | 47 | 75 | 65 | 30 | 127 | 15750 | 21, 16, 22, 30, 24, 17, 35, 31, 32, 32, 27, 26, 24, 23, 22, 27, 22, 28, 16, 33, 27, 34, 20, 18, 20, 17, 17, 25, 21, 33, 35, 32, 20, 28, 17, 35, 33, 18, 32, 31, 30, 19, 17, 31, 26, 16, 21, 21, 18, 28, 35, 16, 27, 24, 32, 27, 26, 35, 26, 35, 19, 27, 27, 33, 18 |
| 58 | (65,2,1) | 3 | 47 | 75 | 65 | 70 | 185 | 52500 | 30, 15, 29, 17, 29, 23, 35, 24, 19, 29, 23, 21, 32, 26, 22, 22, 22, 21, 15, 28, 17, 33, 35, 27, 33, 18, 30, 21, 22, 28, 31, 20, 15, 29, 32, 29, 33, 23, 28, 31, 33, 15, 17, 16, 16, 32, 29, 20, 18, 26, 18, 29, 34, 22, 34, 21, 15, 29, 18, 15, 16, 29, 23, 30, 22 |
| 59 | (65,2,1) | 3 | 47 | 75 | 65 | 30 | 178 | 21750 | 31, 27, 24, 33, 26, 15, 21, 30, 20, 26, 19, 29, 20, 21, 35, 17, 35, 23, 35, 35, 27, 33, 21, 35, 16, 20, 30, 18, 22, 23, 19, 17, 30, 29, 18, 23, 25, 20, 23, 18, 28, 32, 29, 30, 34, 35, 30, 19, 30, 16, 15, 21, 19, 20, 27, 28, 25, 31, 31, 16, 26, 32, 33, 27, 25 |
| 60 | (65,2,1) | 3 | 47 | 75 | 65 | 70 | 468 | 136500 | 19, 26, 31, 20, 23, 29, 29, 23, 21, 15, 15, 24, 29, 16, 27, 33, 35, 24, 33, 29, 29, 24, 35, 15, 29, 21, 30, 27, 23, 31, 15, 26, 24, 30, 33, 30, 25, 25, 19, 25, 31, 28, 28, 15, 24, 30, 17, 26, 22, 35, 20, 33, 26, 26, 29, 22, 15, 26, 24, 17, 15, 35, 29, 23, 21 |
| 61 | (73,3,2) | 3 | 47 | 75 | 35, 38 | 30, 30 | 60, 137 | 7500, 16500 | 29, 33, 32, 19, 16, 32, 27, 20, 15, 17, 32, 16, 19, 24, 29, 24, 34, 31, 21, 24, 24, 27, 32, 22, 26, 31, 27, 24, 17, 30, |

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| 62 | (73,3,2) | 3 | 47 | 75 | 27, 46 | 30, 70 | 158, 515 | 19500, 148750 | 30, 29, 28, 27, 25, 27, 19, 15, 28, 18, 18, 23, 29, 23, 15, 32, 26, 32, 21, 20, 24, 35, 28, 32, 21, 31, 21, 30, 30, 35, 22, 19, 29, 20, 19, 35, 24, 20, 26, 24, 26, 31, 34, 16, 26, 22, 24, 30, 27, 35, 16, 32, 34, 19, 35, 17, 29, 19, 22, 19, 25, 23, 31, 29, 20, 35, 30, 23, 22, 34, 19, 20, 15 |
| 63 | (73,3,2) | 3 | 47 | 75 | 37, 36 | 30, 70 | 159, 370 | 19500, 106750 | 31, 26, 24, 22, 34, 23, 20, 31, 28, 19, 17, 18, 18, 23, 29, 33, 31, 34, 21, 29, 25, 30, 24, 28, 15, 19, 35, 24, 30, 19, 18, 19, 24, 16, 18, 28, 35, 15, 27, 23, 17, 30, 18, 29, 32, 28, 26, 24, 16, 30, 30, 33, 23, 22, 24, 27, 24, 16, 26, 23, 32, 27, 19, 25, 16, 32, 23, 18, 31, 24, 35, 20, 16 |
| 64 | (73,3,2) | 3 | 47 | 75 | 36, 37 | 70, 30 | 404, 111 | 117250, 13500 | 31, 15, 20, 31, 34, 18, 33, 26, 28, 33, 15, 25, 21, 22, 23, 21, 22, 35, 34, 26, 26, 25, 33, 16, 30, 19, 29, 18, 21, 24, 34, 27, 27, 33, 17, 34, 25, 31, 35, 30, 16, 20, 35, 21, 18, 27, 27, 31, 18, 32, 22, 35, 33, 25, 20, 24, 28, 33, 17, 20, 18, 18, 16, 22, 19, 17, 16, 33, 19, 22, 30, 28, 25 |
| 65 | (73,3,2) | 3 | 47 | 75 | 39, 34 | 70, 30 | 552, 95 | 161000, 11250 | 19, 33, 16, 26, 22, 21, 33, 21, 28, 34, 35, 19, 31, 22, 30, 29, 35, 16, 34, 22, 26, 33, 29, 34, 24, 20, 23, 25, 21, 20, 30, 34, 22, 29, 30, 27, 35, 26, 15, 29, 29, 18, 19, 33, 24, 25, 21, 25, 29, 26, 35, 28, 30, 27, 30, 21, 24, 21, 29, 17, 17, 30, 33, 18, 23, 35, 30, 27, 15, 34, 17, 28, 26 |
| 66 | (73,3,2) | 3 | 47 | 75 | 34, 39 | 30, 70 | 91, 425 | 11250, 122500 | 20, 29, 33, 21, 31, 16, 25, 16, 20, 27, 34, 27, 21, 21, 24, 30, 19, 17, 34, 19, 27, 29, 25, 22, 19, 21, 17, 19, 34, 25, 25, 21, 25, 25, 29, 33, 25, 21, 23, 28, 20, 16, 15, 25, 31, 31, 23, 19, 18, 21, 15, 29, 19, 30, 26, 17, 27, 18, 20, 22, 24, 35, 30, 35, 26, 20, 23, 22, 24, 24, 33, 28, 27 |
| 67 | (73,3,2) | 3 | 47 | 75 | 34, 39 | 30, 70 | 91, 280 | 11250, 80500 | 21, 18, 29, 29, 18, 32, 25, 32, 20, 28, 33, 21, 31, 21, 17, 18, 32, 19, 26, 28, 28, 24, 21, 18, 34, 21, 32, 26, 34, 30, 33, 28, 20, 21, 28, 26, 15, 16, 23, 35, 33, 35, 33, 17, 16, 29, 24, 34, 28, 15, 28, 30, 28, 20, 15, 35, 31, 27, 32, 18, 32, 26, 26, 19, 22, 17, 16, 16, 33, 35, 20, 15, 28 |
| 68 | (73,3,2) | 3 | 47 | 75 | 39, 34 | 30, 30 | 68, 69 | 8250, 8250 | 29, 15, 25, 24, 27, 27, 17, 27, 20, 29, 31, 28, 33, 20, 24, 26, 16, 20, 26, 25, 28, 32, 30, 28, 15, 22, 18, 19, 26, 35, 29, 28, 15, 30, 20, 33, 26, 32, 32, 34, 24, 33, 17, 29, 23, 27, 18, 28, 30, 30, 20, 31, 17, 22, 32, 32, 27, 23, 23, 15, 31, 17, 23, 15, 25, 23, 30, 31, 21, 25, 15, 15, 29 |
| 69 | (73,3,2) | 3 | 47 | 75 | 36, 37 | 70, 30 | 374, 174 | 108500, 21750 | 30, 33, 21, 19, 15, 23, 30, 22, 33, 22, 30, 23, 23, 19, 18, 27, 28, 22, 25, 21, 29, 27, 26, 24, 30, 23, 33, 26, 18, 19, 24, 35, 18, 26, 19, 26, 15, 27, 32, 33, 24, 31, 34, 21, 29, 33, 20, 34, 19, 25, 34, 24, 27, 25, 21, 29, 30, 33, 34, 33, 17, 21, 19, 33, 29, 20, 22, 26, 30, 15, 23, 15, 30 |
| 70 | (73,3,2) | 3 | 47 | 75 | 38, 35 | 30, 30 | 167, 158 | 20250, 19500 | 31, 30, 17, 27, 23, 18, 30, 17, 34, 23, 29, 30, 33, 19, 32, 35, 33, 31, 17, 17, 29, 35, 22, 33, 25, 31, 27, 20, 18, 16, 20, 22, 34, 22, 18, 32, 26, 22, 33, 31, 15, 21, 18, 34, 23, |

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| 71 | (81,3,2) | 3 | 47 | 75 | 38, 43 | 30, 30 | 153, 92 | 18750, 11250 | 34, 24, 27, 16, 23, 18, 18, 23, 25, 33, 17, 27, 30, 31, 17, 30, 19, 32, 21, 35, 31, 21, 15, 30, 16, 18, 31, 25, 16, 17, 20, 17, 27, 19, 15, 25, 29, 30, 15, 22, 32, 21, 26, 26, 26, 30, 27, 15, 30, 17, 29, 34, 23, 17, 33, 25, 28, 23, 29, 35, 27, 17, 34, 23, 19, 29, 30, 25, 21, 20, 22, 23, 30, 30, 31, 27, 26, 32, 30, 33, 30 |
| 72 | (81,3,2) | 3 | 47 | 75 | 41, 40 | 30, 30 | 128, 145 | 15750, 18000 | 34, 17, 34, 32, 33, 18, 33, 24, 30, 34, 17, 23, 31, 26, 26, 18, 34, 33, 35, 21, 31, 26, 31, 29, 32, 35, 30, 31, 26, 33, 21, 16, 19, 17, 32, 17, 15, 15, 17, 16, 21, 16, 19, 27, 22, 33, 23, 33, 34, 35, 20, 31, 30, 29, 21, 22, 31, 29, 22, 21, 15, 28, 22, 31, 20, 30, 24, 16, 23, 21, 22, 20, 26, 19, 26, 17, 18, 21, 28, 30, 28 |
| 73 | (81,3,2) | 3 | 47 | 75 | 41, 40 | 70, 70 | 492, 295 | 143500, 85750 | 26, 18, 33, 18, 35, 17, 27, 32, 22, 15, 30, 20, 31, 34, 22, 35, 28, 33, 29, 15, 23, 31, 19, 16, 35, 31, 29, 24, 16, 28, 29, 15, 31, 15, 16, 30, 21, 34, 18, 31, 31, 31, 32, 20, 32, 15, 33, 29, 16, 23, 32, 15, 29, 20, 18, 26, 35, 26, 15, 16, 24, 18, 17, 32, 21, 30, 25, 21, 25, 22, 22, 17, 30, 30, 29, 35, 23, 18, 26, 28, 17 |
| 74 | (81,3,2) | 3 | 47 | 75 | 36, 45 | 70, 30 | 283, 108 | 82250, 13500 | 26, 32, 32, 33, 25, 17, 33, 20, 26, 16, 30, 16, 32, 29, 18, 23, 31, 34, 23, 22, 15, 15, 35, 23, 30, 27, 20, 30, 27, 23, 30, 22, 31, 34, 33, 21, 28, 32, 20, 17, 33, 25, 24, 21, 21, 18, 29, 26, 33, 19, 23, 33, 16, 24, 35, 23, 30, 32, 21, 31, 33, 29, 25, 32, 22, 23, 27, 33, 27, 23, 34, 23, 33, 19, 24, 25, 15, 16, 24, 17, 15 |
| 75 | (81,3,2) | 3 | 47 | 75 | 39, 42 | 30, 70 | 175, 358 | 21750, 103250 | 26, 33, 30, 20, 35, 29, 27, 21, 18, 18, 30, 26, 33, 24, 35, 20, 25, 35, 17, 15, 15, 32, 31, 31, 33, 23, 20, 23, 16, 18, 17, 21, 22, 24, 30, 34, 34, 17, 35, 31, 22, 28, 25, 22, 31, 20, 18, 23, 16, 28, 35, 30, 23, 16, 32, 19, 34, 29, 35, 25, 21, 27, 20, 19, 23, 23, 29, 16, 28, 24, 34, 20, 29, 30, 27, 23, 21, 26, 23, 15, 33 |
| 76 | (81,3,2) | 3 | 47 | 75 | 48, 33 | 70, 30 | 287, 93 | 82250, 11250 | 18, 34, 29, 35, 25, 29, 21, 29, 23, 19, 21, 22, 33, 33, 31, 16, 19, 35, 32, 30, 27, 16, 26, 17, 28, 19, 19, 29, 27, 34, 18, 20, 35, 22, 35, 26, 20, 15, 15, 25, 33, 22, 17, 23, 20, 23, 35, 20, 19, 25, 26, 34, 22, 20, 28, 15, 16, 35, 28, 20, 30, 17, 28, 19, 24, 23, 23, 28, 30, 26, 34, 25, 33, 19, 22, 34, 26, 24, 34, 34, 22 |
| 77 | (81,3,2) | 3 | 47 | 75 | 47, 34 | 30, 30 | 125, 146 | 15000, 18000 | 18, 27, 28, 21, 27, 28, 27, 17, 15, 21, 21, 19, 34, 28, 19, 25, 34, 23, 18, 16, 27, 21, 21, 17, 31, 15, 31, 22, 17, 29, 26, 27, 26, 20, 31, 17, 26, 34, 17, 19, 22, 16, 30, 24, 30, 26, 23, 17, 15, 34, 30, 31, 29, 32, 25, 33, 33, 32, 21, 35, 18, 29, 23, 19, 33, 24, 24, 19, 32, 27, 26, 23, 16, 30, 25, 32, 18, 34, 32, 23, 20 |
| 78 | (81,3,2) | 3 | 47 | 75 | 50, 31 | 30, 70 | 100, 486 | 12000, 141750 | 19, 28, 26, 29, 16, 28, 21, 18, 20, 22, 21, 15, 35, 15, 15, 22, 29, 23, 33, 31, 19, 26, 30, 25, 25, 32, 31, 28, 28, 32, |

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| 79 | (81,3,2) | 3 | 47 | 75 | 44, 37 | 70, 30 | 503, 109 | 145250 , 13500 | 19, 29, 25, 23, 27, 27, 15, 26, 32, 32, 34, 24, 35, 31, 32, 31, 23, 24, 27, 17, 19, 31, 25, 32, 28, 28, 30, 21, 17, 27, 35, 25, 30, 17, 33, 22, 26, 18, 33, 20, 34, 26, 15, 18, 28, 18, 29, 23, 35, 19, 33, 25, 35, 27, 18, 34, 18, 35, 27, 24, 15, 30, 26, 27, 35, 16, 28, 15, 15, 16, 25, 25, 15, 29, 23, 20, 29, 29, 29, 18, 28 |
| 80 | (81,3,2) | 3 | 47 | 75 | 41, 40 | 30, 70 | 172, 198 | 21000, 57750 | 32, 22, 24, 31, 16, 27, 21, 35, 16, 33, 34, 21, 15, 26, 28, 27, 17, 25, 21, 32, 32, 15, 21, 19, 23, 24, 29, 28, 28, 23, 35, 24, 29, 28, 29, 34, 33, 16, 35, 35, 23, 20, 15, 19, 25, 21, 26, 20, 18, 15, 24, 29, 21, 19, 35, 30, 22, 20, 20, 18, 24, 20, 21, 27, 15, 17, 22, 19, 30, 17, 25, 30, 19, 19, 18, 31, 21, 19, 27, 16, 25 |
| 81 | (82,3,2) | 3 | 47 | 75 | 45, 37 | 30, 70 | 81, 459 | 9750, 133000 | 23, 31, 25, 19, 26, 15, 35, 29, 35, 34, 17, 16, 35, 16, 16, 19, 25, 35, 25, 24, 33, 16, 26, 26, 20, 21, 21, 18, 18, 23, 31, 21, 26, 34, 26, 18, 22, 28, 28, 25, 23, 28, 20, 35, 23, 35, 17, 22, 24, 35, 26, 21, 23, 23, 27, 17, 17, 34, 33, 33, 31, 29, 35, 16, 17, 23, 31, 32, 18, 17, 28, 15, 29, 21, 29, 26, 16, 25, 27, 22, 28, 35 |
| 82 | (82,3,2) | 3 | 47 | 75 | 45, 37 | 30, 30 | 120, 155 | 15000, 18750 | 16, 29, 32, 29, 25, 30, 23, 34, 15, 26, 27, 16, 30, 33, 33, 34, 26, 29, 32, 24, 17, 32, 26, 21, 16, 20, 27, 28, 34, 23, 29, 33, 24, 30, 18, 25, 20, 30, 22, 15, 17, 21, 34, 24, 26, 32, 35, 17, 21, 26, 23, 28, 35, 20, 23, 21, 23, 27, 28, 21, 21, 24, 35, 17, 30, 25, 35, 33, 19, 17, 33, 19, 19, 16, 19, 31, 35, 15, 24, 33, 28, 19 |
| 83 | (82,3,2) | 3 | 47 | 75 | 48, 34 | 70, 30 | 584, 88 | 169750 , 10500 | 17, 28, 27, 18, 25, 16, 32, 26, 17, 25, 23, 17, 17, 29, 21, 29, 27, 23, 26, 16, 22, 28, 34, 24, 33, 19, 20, 18, 29, 32, 28, 25, 22, 35, 30, 31, 18, 32, 16, 25, 32, 34, 35, 33, 29, 20, 32, 21, 30, 17, 28, 35, 26, 16, 19, 24, 20, 20, 22, 30, 33, 19, 22, 26, 31, 19, 27, 35, 20, 17, 30, 15, 29, 19, 30, 24, 24, 34, 22, 30, 28, 32 |
| 84 | (82,3,2) | 3 | 47 | 75 | 46, 36 | 70, 30 | 589, 120 | 171500 , 15000 | 18, 27, 34, 29, 24, 30, 32, 30, 18, 25, 20, 18, 33, 25, 18, 23, 35, 17, 33, 16, 26, 15, 20, 19, 29, 32, 26, 29, 24, 32, 35, 16, 20, 32, 22, 17, 25, 25, 23, 27, 27, 26, 15, 22, 32, 17, 29, 25, 26, 21, 24, 34, 30, 34, 16, 28, 25, 34, 16, 26, 23, 27, 22, 27, 31, 21, 31, 16, 21, 30, 15, 19, 19, 35, 27, 29, 21, 33, 19, 28, 29, 17 |
| 85 | (82,3,2) | 3 | 47 | 75 | 47, 35 | 30, 30 | 93, 175 | 11250, 21750 | 32, 25, 20, 18, 24, 24, 20, 22, 20, 17, 16, 18, 28, 34, 27, 17, 15, 24, 27, 29, 31, 32, 28, 22, 25, 31, 19, 18, 19, 20, 34, 16, 18, 28, 34, 23, 23, 27, 17, 16, 21, 27, 17, 32, 34, 26, 25, 21, 35, 33, 21, 20, 22, 30, 20, 23, 23, 27, 32, 35, 34, 22, 22, 28, 31, 23, 22, 18, 22, 29, 33, 22, 29, 17, 17, 34, 19, 31, 30, 17, 29, 22 |

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| 86 | (82,3,2) | 3 | 47 | 75 | 47, 35 | 70, 70 | 248, 365 | 71750, 105000 | 33, 24, 15, 21, 23, 31, 29, 27, 21, 17, 25, 19, 16, 30, 23, 32, 16, 18, 21, 29, 28, 27, 27, 17, 21, 30, 25, 29, 35, 20, 33, 28, 29, 33, 26, 17, 21, 29, 32, 26, 15, 19, 31, 21, 16, 23, 35, 24, 32, 24, 26, 19, 26, 27, 17, 27, 28, 20, 26, 23, 32, 30, 30, 29, 24, 24, 26, 20, 31, 29, 17, 18, 18, 33, 15, 26, 29, 29, 28, 35, 29, 27 |
| 87 | (82,3,2) | 3 | 47 | 75 | 44, 38 | 30, 30 | 148, 140 | 18000, 17250 | 35, 23, 22, 31, 23, 24, 29, 19, 23, 17, 22, 19, 32, 26, 33, 35, 16, 33, 28, 21, 33, 22, 35, 20, 17, 22, 18, 19, 30, 28, 32, 20, 27, 30, 18, 23, 27, 22, 25, 16, 18, 32, 32, 18, 19, 32, 32, 28, 28, 15, 23, 26, 17, 23, 34, 30, 26, 34, 20, 32, 22, 26, 30, 30, 24, 18, 17, 22, 33, 21, 35, 22, 29, 15, 26, 31, 27, 27, 25, 33, 29, 19 |
| 88 | (82,3,2) | 3 | 47 | 75 | 35, 47 | 30, 30 | 164, 171 | 20250, 21000 | 28, 22, 16, 20, 22, 18, 17, 24, 32, 30, 18, 20, 27, 22, 29, 29, 17, 27, 21, 33, 17, 18, 21, 15, 34, 21, 24, 30, 25, 29, 18, 32, 25, 34, 30, 30, 25, 24, 19, 18, 33, 25, 33, 27, 21, 29, 29, 24, 16, 27, 20, 34, 29, 20, 30, 26, 31, 27, 15, 20, 33, 34, 30, 31, 24, 20, 22, 24, 34, 21, 33, 26, 18, 31, 24, 16, 24, 18, 23, 22, 29, 24 |
| 89 | (82,3,2) | 3 | 47 | 75 | 41, 41 | 70, 30 | 403, 105 | 117250 , 12750 | 29, 20, 24, 31, 22, 25, 26, 15, 34, 30, 15, 21, 35, 31, 17, 23, 18, 21, 28, 33, 22, 26, 29, 18, 30, 20, 17, 19, 20, 16, 17, 23, 23, 31, 22, 15, 31, 26, 26, 28, 27, 17, 34, 16, 24, 17, 26, 27, 34, 18, 16, 33, 33, 16, 27, 29, 29, 19, 30, 29, 24, 29, 18, 19, 25, 22, 34, 25, 35, 21, 17, 22, 29, 26, 35, 29, 35, 16, 33, 20, 30, 29 |
| 90 | (82,3,2) | 3 | 47 | 75 | 48, 34 | 30, 30 | 98, 137 | 12000, 16500 | 22, 27, 18, 33, 34, 19, 26, 20, 35, 29, 24, 21, 30, 27, 35, 17, 18, 15, 22, 25, 27, 22, 16, 34, 26, 32, 23, 30, 15, 17, 16, 23, 21, 27, 35, 22, 29, 19, 20, 17, 22, 17, 27, 26, 35, 35, 23, 31, 22, 30, 21, 19, 25, 25, 23, 33, 34, 25, 24, 17, 35, 24, 18, 20, 17, 23, 25, 19, 15, 21, 35, 25, 18, 29, 33, 34, 32, 35, 31, 17, 30, 35 |
| 91 | (95,3,2) | 3 | 47 | 75 | 55, 40 | 70, 30 | 485, 117 | 140000 , 14250 | 23, 23, 33, 27, 29, 29, 25, 24, 17, 15, 16, 22, 32, 16, 20, 31, 25, 23, 35, 32, 32, 26, 28, 28, 21, 35, 19, 16, 31, 28, 15, 16, 31, 19, 27, 18, 34, 18, 26, 29, 22, 28, 15, 32, 18, 19, 26, 25, 32, 18, 21, 18, 17, 29, 21, 16, 33, 20, 29, 29, 24, 23, 26, 30, 33, 29, 35, 30, 27, 24, 20, 20, 22, 20, 35, 33, 27, 16, 15, 17, 34, 30, 18, 26, 18, 23, 35, 30, 27, 31, 33, 24, 20, 31, 25 |
| 92 | (95,3,2) | 3 | 47 | 75 | 52, 43 | 70, 30 | 453, 140 | 131250 , 17250 | 19, 19, 27, 28, 23, 23, 17, 29, 33, 23, 32, 18, 31, 23, 30, 26, 26, 22, 27, 31, 29, 18, 35, 34, 22, 29, 30, 18, 23, 29, 25, 19, 20, 16, 30, 28, 25, 15, 25, 20, 18, 24, 32, 16, 32, 26, 35, 15, 27, 26, 22, 18, 19, 20, 23, 17, 33, 17, 25, 18, 27, 21, 32, 19, 31, 18, 25, 30, 32, 22, 31, 20, 28, 31, 18, 34, 30, 20, 16, 25, 18, 25, 30, 35, 34, 17, 35, 29, 21, 35, 20, 28, 24, 17, 33 |
| 93 | (95,3,2) | 3 | 47 | 75 | 55, 40 | 70, 70 | 420, 347 | 122500 , 99750 | 15, 16, 21, 28, 17, 17, 17, 34, 29, 30, 35, 27, 22, 16, 20, 21, 34, 21, 18, 29, 33, 31, 20, 32, 16, 22, 19, 34, 15, 30, |

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| 94 | (95,3,2) | 3 | 47 | 75 | 37, 58 | 30, 30 | 145, 63 | 18000, 7500 | 24, 25, 23, 29, 24, 23, 30, 17, 24, 17, 30, 23, 22, 22, 31, 16, 35, 20, 31, 27, 30, 22, 35, 30, 18, 29, 29, 28, 16, 23, 31, 25, 26, 23, 30, 33, 27, 16, 18, 16, 32, 17, 18, 19, 18, 15, 32, 16, 30, 26, 24, 32, 23, 16, 27, 27, 25, 20, 25, 18, 25, 30, 29, 35, 20, 34, 20, 31, 21, 28, 23, 25, 31, 33, 19, 29, 17, 17, 19, 27, 15, 22, 33, 24, 24, 26, 23, 33, 15, 22, 22, 30, 24, 18, 33 |
| 95 | (95,3,2) | 3 | 47 | 75 | 48, 47 | 30, 30 | 159, 62 | 19500, 7500 | 20, 21, 18, 29, 18, 17, 22, 22, 32, 17, 33, 19, 21, 28, 20, 32, 22, 26, 22, 25, 26, 35, 20, 15, 19, 23, 31, 22, 29, 24, 20, 27, 22, 20, 34, 30, 18, 34, 18, 28, 29, 34, 34, 17, 32, 30, 20, 28, 17, 34, 33, 32, 16, 20, 29, 28, 25, 25, 29, 28, 20, 19, 34, 24, 18, 32, 30, 31, 35, 35, 26, 24, 16, 24, 23, 22, 21, 22, 21, 34, 20, 24, 24, 24, 19, 20, 24, 19, 30, 26, 30, 35, 28, 33, 33 |
| 96 | (95,3,2) | 3 | 47 | 75 | 45, 50 | 30, 70 | 149, 352 | 18000, 101500 | 16, 30, 33, 30, 33, 24, 22, 27, 28, 24, 28, 15, 33, 21, 31, 35, 22, 25, 21, 15, 31, 27, 27, 34, 34, 17, 20, 17, 21, 25, 30, 30, 32, 17, 29, 18, 30, 18, 25, 32, 25, 31, 16, 22, 25, 24, 29, 26, 33, 34, 34, 32, 18, 32, 30, 29, 24, 22, 32, 18, 23, 17, 19, 22, 16, 22, 27, 31, 19, 34, 15, 16, 35, 27, 19, 23, 24, 35, 22, 21, 25, 19, 15, 33, 27, 35, 24, 17, 16, 30, 24, 31, 24, 19, 33 |
| 97 | (95,3,2) | 3 | 47 | 75 | 46, 49 | 30, 30 | 140, 107 | 17250, 12750 | 33, 27, 27, 31, 27, 18, 35, 24, 23, 32, 23, 32, 33, 27, 21, 30, 31, 24, 34, 34, 28, 18, 33, 32, 15, 32, 30, 32, 35, 26, 19, 33, 28, 34, 33, 35, 21, 35, 24, 23, 22, 35, 20, 20, 18, 19, 17, 16, 28, 21, 35, 25, 20, 15, 32, 30, 24, 27, 28, 28, 18, 28, 32, 19, 15, 19, 25, 18, 24, 20, 26, 16, 20, 18, 23, 24, 28, 18, 24, 29, 30, 34, 26, 34, 23, 29, 32, 23, 23, 34, 32, 15, 28, 34, 33 |
| 98 | (95,3,2) | 3 | 47 | 75 | 38, 57 | 30, 30 | 130, 106 | 15750, 12750 | 21, 15, 21, 18, 21, 33, 35, 29, 19, 18, 26, 28, 32, 20, 32, 25, 31, 31, 25, 32, 32, 31, 19, 18, 16, 26, 33, 34, 27, 19, 29, 35, 16, 31, 16, 23, 25, 32, 31, 35, 18, 32, 23, 25, 32, 34, 26, 27, 15, 21, 15, 25, 35, 28, 34, 31, 16, 25, 32, 18, 21, 26, 16, 30, 34, 17, 35, 19, 29, 19, 29, 29, 17, 29, 27, 18, 32, 23, 25, 15, 22, 16, 17, 22, 18, 23, 33, 21, 18, 17, 19, 33, 32, 20, 20 |
| 99 | (95,3,2) | 3 | 47 | 75 | 37, 58 | 70, 70 | 295, 358 | 85750, 103250 | 17, 32, 16, 19, 15, 19, 27, 34, 35, 26, 21, 24, 23, 26, 21, 20, 19, 30, 17, 30, 29, 23, 25, 16, 31, 33, 22, 29, 27, 20, 17, 17, 34, 28, 32, 20, 16, 16, 17, 19, 28, 28, 19, 23, 24, 28, 35, 17, 31, 21, 16, 25, 15, 32, 28, 33, 16, 30, 15, 28, 17, 16, 21, 27, 32, 15, 32, 19, 21, 18, 18, 29, 23, 20, 24, 19, 23, 15, 35, 23, 27, 31, 29, 23, 34, 17, 20, 20, 25, 21, |

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| 100 | (95,3,2) | 3 | 47 | 75 | 44, 51 | 70, 70 | 332, 383 | 96250, 110250 | 34, 21, 31, 20, 29, 34, 26, 18, 22, 25, 24, 20, 23, 19, 32, 15, 19, 29, 29, 28, 26, 27, 32, 35, 33, 26, 32, 23, 20, 21, 27, 20, 22, 25, 15, 29, 28, 34, 16, 31, 24, 24, 22, 28, 17, 22, 23, 29, 18, 29, 17, 26, 17, 23, 30, 34, 16, 27, 32, 17, 20, 35, 34, 17, 22, 25, 30, 19, 27, 25, 21, 20, 21, 31, 28, 33, 26, 20, 15, 30, 32, 26, 20, 32, 29, 32, 21, 26, 32, 25, 21, 35, 32, 21, 19 |
| 101 | (100,3,2) | 3 | 47 | 75 | 49, 51 | 30, 30 | 165, 153 | 20250, 18750 | 19, 18, 23, 18, 33, 19, 16, 22, 25, 22, 31, 28, 28, 29, 26, 30, 19, 17, 20, 34, 20, 34, 17, 33, 22, 16, 30, 19, 22, 19, 25, 19, 31, 23, 35, 20, 21, 26, 26, 31, 17, 32, 19, 34, 29, 26, 18, 19, 27, 32, 22, 29, 33, 35, 28, 15, 25, 19, 35, 20, 23, 19, 19, 32, 24, 32, 33, 27, 22, 24, 34, 30, 25, 17, 17, 24, 28, 32, 33, 24, 26, 21, 24, 19, 29, 29, 18, 15, 28, 19, 31, 18, 29, 21, 28, 25, 16, 26, 33, 16 |
| 102 | (100,3,2) | 3 | 47 | 75 | 46, 54 | 30, 30 | 177, 154 | 21750, 18750 | 34, 31, 20, 34, 20, 22, 33, 34, 18, 32, 26, 28, 35, 20, 16, 27, 32, 24, 18, 28, 35, 23, 33, 25, 15, 34, 33, 28, 32, 35, 35, 31, 27, 31, 26, 17, 17, 29, 31, 24, 32, 20, 30, 22, 29, 27, 18, 34, 18, 33, 23, 28, 30, 18, 17, 18, 23, 24, 33, 19, 20, 17, 19, 16, 31, 34, 33, 24, 33, 28, 35, 34, 16, 18, 24, 29, 22, 23, 21, 32, 20, 30, 30, 34, 33, 24, 23, 19, 22, 19, 34, 21, 33, 15, 28, 15, 21, 26, 25, 20 |
| 103 | (100,3,2) | 3 | 47 | 75 | 50, 50 | 30, 70 | 91, 366 | 11250, 106750 | 28, 31, 24, 30, 27, 17, 29, 33, 24, 22, 22, 16, 34, 33, 35, 31, 23, 17, 16, 29, 29, 34, 35, 18, 16, 23, 15, 25, 28, 18, 31, 22, 32, 30, 17, 34, 22, 25, 29, 17, 26, 16, 20, 17, 16, 28, 19, 35, 31, 35, 24, 28, 35, 35, 28, 34, 34, 16, 22, 17, 31, 35, 20, 29, 30, 24, 25, 30, 24, 33, 29, 17, 21, 20, 32, 34, 17, 34, 22, 28, 35, 30, 29, 20, 16, 31, 20, 15, 29, 19, 17, 23, 28, 31, 21, 18, 26, 34, 16, 23 |
| 104 | (100,3,2) | 3 | 47 | 75 | 48, 52 | 30, 70 | 103, 326 | 12750, 94500 | 35, 23, 29, 25, 35, 19, 25, 33, 18, 33, 17, 16, 33, 24, 33, 28, 15, 24, 22, 31, 15, 23, 29, 18, 17, 33, 18, 34, 25, 22, 19, 33, 29, 16, 22, 31, 18, 28, 34, 31, 21, 25, 31, 33, 17, 29, 19, 16, 35, 16, 25, 28, 32, 18, 17, 16, 32, 21, 19, 15, 29, 24, 20, 34, 16, 26, 24, 28, 35, 29, 30, 20, 26, 21, 18, 26, 19, 25, 30, 23, 29, 31, 35, 27, 20, 18, 25, 19, 23, 27, 20, 25, 32, 25, 21, 28, 19, 22, 29, 26 |
| 105 | (100,3,2) | 3 | 47 | 75 | 47, 53 | 30, 70 | 114, 287 | 14250, 82250 | 29, 23, 34, 33, 34, 35, 21, 24, 24, 22, 33, 25, 19, 15, 31, 25, 28, 30, 21, 33, 30, 25, 24, 31, 18, 21, 20, 31, 22, 17, 16, 16, 26, 15, 34, 27, 35, 32, 31, 24, 15, 34, 21, 20, 17, 30, 32, 18, 26, 18, 26, 20, 30, 35, 28, 32, 22, 35, 17, 34, 26, 22, 20, 19, 15, 16, 16, 34, 26, 33, 31, 24, 18, 23, 26, 30, 35, 16, 31, 18, 23, 18, 33, 22, 24, 34, 21, 23, 30, 27, 15, 35, 28, 19, 34, 18, 24, 30, 20, 30 |
| 106 | (100,3,2) | 3 | 47 | 75 | 48, 52 | 30, 70 | 149, 317 | 18000, 91000 | 15, 15, 18, 29, 21, 17, 17, 23, 17, 33, 28, 25, 18, 15, 29, 29, 19, 16, 19, 26, 23, 35, 18, 24, 19, 31, 23, 19, 19, 21, 25, 28, 30, 22, 17, 24, 32, 27, 16, 30, 30, 22, 33, 15, 25, |

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| 107 | (100,3,2) | 3 | 47 | 75 | 52, 48 | 30, 30 | 161, 85 | 19500, 10500 | 29, 28, 15, 24, 28, 33, 34, 23, 23, 23, 23, 33, 17, 27, 20, 26, 32, 22, 25, 28, 17, 24, 33, 16, 34, 20, 26, 16, 16, 25, 21, 19, 27, 29, 29, 20, 28, 31, 34, 23, 25, 31, 31, 23, 25, 19, 33, 35, 21, 22, 28, 20, 32, 21, 27, 30, 30, 24, 25, 23, 34, 30, 20, 16, 21, 29, 29, 16, 28, 34, 25, 32, 27, 26, 20, 19, 32, 19, 20, 21, 32, 19, 17, 15, 32, 28, 23, 23, 31, 27, 22, 19, 27, 29, 27, 32, 35, 26, 25, 23 |
| 108 | (100,3,2) | 3 | 47 | 75 | 55, 45 | 30, 30 | 173, 109 | 21000, 13500 | 15, 28, 20, 20, 15, 15, 30, 35, 16, 34, 18, 34, 15, 19, 18, 31, 23, 29, 23, 30, 32, 26, 28, 29, 35, 30, 28, 25, 34, 21, 30, 31, 24, 28, 20, 30, 25, 34, 19, 15, 19, 19, 21, 18, 33, 20, 34, 15, 26, 16, 29, 32, 17, 17, 17, 33, 28, 16, 22, 21, 32, 27, 21, 21, 20, 32, 21, 35, 18, 17, 19, 35, 19, 28, 28, 32, 26, 23, 29, 16, 26, 27, 23, 30, 15, 23, 28, 27, 17, 27, 26, 29, 30, 23, 19, 21, 19, 34, 16, 27 |
| 109 | (100,3,2) | 3 | 47 | 75 | 51, 49 | 30, 30 | 87, 110 | 10500, 13500 | 30, 20, 25, 15, 15, 31, 26, 34, 22, 23, 34, 21, 22, 31, 16, 27, 15, 35, 21, 23, 18, 16, 30, 30, 15, 27, 31, 22, 22, 24, 27, 22, 29, 15, 25, 26, 29, 17, 16, 29, 34, 28, 32, 34, 33, 21, 26, 17, 17, 17, 17, 32, 35, 21, 27, 28, 18, 22, 33, 19, 30, 24, 21, 26, 27, 22, 20, 20, 30, 34, 20, 18, 24, 29, 35, 16, 29, 34, 30, 33, 20, 28, 21, 17, 19, 30, 25, 23, 32, 27, 29, 31, 26, 18, 20, 24, 25, 35, 29, 30 |
| 110 | (100,3,2) | 3 | 47 | 75 | 40, 60 | 30, 30 | 99, 112 | 12000, 13500 | 24, 20, 30, 31, 22, 34, 22, 34, 15, 34, 29, 22, 21, 23, 35, 24, 28, 21, 27, 25, 33, 26, 24, 22, 16, 15, 34, 31, 19, 20, 15, 34, 25, 22, 16, 23, 25, 33, 22, 22, 29, 16, 22, 21, 33, 22, 26, 32, 21, 19, 18, 32, 19, 25, 17, 31, 16, 27, 30, 17, 27, 35, 21, 31, 25, 24, 33, 17, 20, 17, 21, 22, 29, 31, 22, 21, 23, 25, 18, 28, 35, 28, 20, 24, 23, 17, 29, 27, 18, 34, 25, 33, 30, 33, 33, 35, 30, 22, 28, 33 |