

Appendix

Table 9 Starter blocks and adders for (3,2)-DRGDDs of type 3^u

| u | Starter | Adder | Starter+Adder | Starter | Adder | Starter+Adder |
|-----|-------------------|-------|-------------------|--------------------|-------|-------------------|
| 5 | 0, 1, 2 | 0 | 0, 1, 2 | 3, 8, 10 | 8 | 11, 4, 6 |
| | 4, 7, ∞_1 | 3 | 7, 10, ∞_1 | 5, 11, ∞_2 | 4 | 9, 3, ∞_2 |
| | 6, 9, ∞_3 | 11 | 5, 8, ∞_3 | | | |
| 6 | 0, 1, 2 | 0 | 0, 1, 2 | 3, 5, 12 | 9 | 12, 14, 6 |
| | 4, 8, 11 | 14 | 3, 7, 10 | 6, 9, ∞_1 | 2 | 8, 11, ∞_1 |
| | 7, 13, ∞_2 | 6 | 13, 4, ∞_2 | 10, 14, ∞_3 | 10 | 5, 9, ∞_3 |
| 7 | 0, 1, 2 | 0 | 0, 1, 2 | 3, 5, 10 | 5 | 8, 10, 15 |
| | 4, 7, 15 | 9 | 13, 16, 6 | 6, 11, 14 | 16 | 4, 9, 12 |
| | 8, 17, ∞_1 | 6 | 14, 5, ∞_1 | 9, 13, ∞_2 | 8 | 17, 3, ∞_2 |
| 8 | 0, 1, 2 | 0 | 0, 1, 2 | 3, 5, 8 | 10 | 13, 15, 18 |
| | 4, 7, 15 | 2 | 6, 9, 17 | 6, 14, 18 | 19 | 4, 12, 16 |
| | 9, 13, 19 | 1 | 10, 14, 20 | 10, 16, ∞_1 | 16 | 5, 11, ∞_1 |
| 9 | 0, 1, 2 | 0 | 0, 1, 2 | 3, 5, 8 | 3 | 6, 8, 11 |
| | 4, 7, 16 | 11 | 15, 18, 3 | 6, 13, 17 | 4 | 10, 17, 21 |
| | 9, 18, 23 | 5 | 14, 23, 4 | 10, 14, 20 | 23 | 9, 13, 19 |
| 10 | 0, 1, 2 | 0 | 0, 1, 2 | 3, 5, 8 | 3 | 6, 8, 11 |
| | 4, 7, 14 | 9 | 13, 16, 23 | 6, 13, 18 | 4 | 10, 17, 22 |
| | 9, 17, 21 | 25 | 7, 15, 19 | 10, 20, 24 | 21 | 4, 14, 18 |
| 11 | 0, 1, 2 | 0 | 0, 1, 2 | 3, 5, 8 | 2 | 5, 7, 10 |
| | 4, 7, 11 | 8 | 12, 15, 19 | 6, 17, 22 | 21 | 27, 8, 13 |
| | 9, 18, 25 | 16 | 25, 4, 11 | 10, 21, 27 | 26 | 6, 17, 23 |
| 12 | 0, 1, 2 | 0 | 0, 1, 2 | 3, 5, 8 | 2 | 5, 7, 10 |
| | 4, 7, 11 | 8 | 12, 15, 19 | 6, 17, 22 | 21 | 27, 8, 13 |
| | 9, 18, 25 | 16 | 25, 4, 11 | 10, 21, 27 | 26 | 6, 17, 23 |
| 13 | 0, 1, 2 | 0 | 0, 1, 2 | 3, 5, 8 | 2 | 5, 7, 10 |
| | 4, 7, 11 | 8 | 12, 15, 19 | 6, 17, 22 | 21 | 27, 8, 13 |
| | 9, 18, 25 | 16 | 25, 4, 11 | 10, 21, 27 | 26 | 6, 17, 23 |
| 14 | 0, 1, 2 | 0 | 0, 1, 2 | 3, 5, 8 | 2 | 5, 7, 10 |
| | 4, 7, 11 | 8 | 12, 15, 19 | 6, 17, 22 | 21 | 27, 8, 13 |
| | 9, 18, 25 | 16 | 25, 4, 11 | 10, 21, 27 | 26 | 6, 17, 23 |
| 15 | 0, 1, 2 | 0 | 0, 1, 2 | 3, 5, 8 | 2 | 5, 7, 10 |
| | 4, 7, 11 | 8 | 12, 15, 19 | 6, 17, 22 | 21 | 27, 8, 13 |
| | 9, 18, 25 | 16 | 25, 4, 11 | 10, 21, 27 | 26 | 6, 17, 23 |
| 16 | 0, 1, 2 | 0 | 0, 1, 2 | 3, 5, 8 | 2 | 5, 7, 10 |
| | 4, 7, 11 | 8 | 12, 15, 19 | 6, 17, 22 | 21 | 27, 8, 13 |
| | 9, 18, 25 | 16 | 25, 4, 11 | 10, 21, 27 | 26 | 6, 17, 23 |
| 17 | 0, 1, 2 | 0 | 0, 1, 2 | 3, 5, 8 | 2 | 5, 7, 10 |
| | 4, 7, 11 | 8 | 12, 15, 19 | 6, 17, 22 | 21 | 27, 8, 13 |
| | 9, 18, 25 | 16 | 25, 4, 11 | 10, 21, 27 | 26 | 6, 17, 23 |
| 18 | 0, 1, 2 | 0 | 0, 1, 2 | 3, 5, 8 | 2 | 5, 7, 10 |
| | 4, 7, 11 | 8 | 12, 15, 19 | 6, 17, 22 | 21 | 27, 8, 13 |
| | 9, 18, 25 | 16 | 25, 4, 11 | 10, 21, 27 | 26 | 6, 17, 23 |

Table 9 (Cont.)

| u | Starter | Adder | Starter+Adder | Starter | Adder | Starter+Adder |
|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| 19 | 9, 11, 36 | 0 | 9, 11, 36 | 2, 42, 48 | 1 | 3, 43, 49 |
| | 6, 22, 32 | 2 | 8, 24, 34 | 0, 38, 43 | 4 | 4, 42, 47 |
| | 3, 26, 37 | 3 | 6, 29, 40 | 1, 4, 7 | 6 | 7, 10, 13 |
| | 16, 29, 50 | 30 | 46, 5, 26 | 14, 47, 51 | 38 | 52, 31, 35 |
| | 12, 31, 35 | 42 | 0, 19, 23 | 8, 13, 25 | 14 | 22, 27, 39 |
| | 23, 24, 33 | 46 | 15, 16, 25 | 19, 20, 28 | 25 | 44, 45, 53 |
| | 15, 17, 41 | 51 | 12, 14, 38 | 5, 18, 40 | 15 | 20, 33, 1 |
| | 10, 34, 49 | 22 | 32, 2, 17 | 21, 46, 53 | 29 | 50, 21, 28 |
| | 27, 39, ∞_1 | 45 | 18, 30, ∞_1 | 30, 44, ∞_2 | 7 | 37, 51, ∞_2 |
| | 45, 52, ∞_3 | 50 | 41, 48, ∞_3 | | | |
| 20 | 24, 28, 49 | 0 | 24, 28, 49 | 23, 26, 34 | 3 | 26, 29, 37 |
| | 1, 2, 15 | 1 | 2, 3, 16 | 13, 20, 52 | 2 | 15, 22, 54 |
| | 12, 17, 43 | 8 | 20, 25, 51 | 5, 29, 46 | 4 | 9, 33, 50 |
| | 11, 16, 31 | 27 | 38, 43, 1 | 8, 14, 42 | 49 | 0, 6, 34 |
| | 4, 19, 41 | 48 | 52, 10, 32 | 0, 40, 48 | 30 | 30, 13, 21 |
| | 10, 22, 33 | 43 | 53, 8, 19 | 18, 53, 54 | 51 | 12, 47, 48 |
| | 7, 37, 50 | 38 | 45, 18, 31 | 3, 44, 51 | 52 | 55, 39, 46 |
| | 6, 36, 39 | 5 | 11, 41, 44 | 9, 38, 56 | 18 | 27, 56, 17 |
| | 21, 25, 27 | 15 | 36, 40, 42 | 30, 32, ∞_1 | 32 | 5, 7, ∞_1 |
| | 35, 47, ∞_3 | 45 | 23, 35, ∞_2 | 45, 55, ∞_3 | 16 | 4, 14, ∞_3 |
| 21 | 12, 51, 57 | 0 | 12, 51, 57 | 10, 24, 58 | 1 | 11, 25, 59 |
| | 5, 52, 55 | 3 | 8, 55, 58 | 3, 22, 44 | 2 | 5, 24, 46 |
| | 16, 21, 27 | 5 | 21, 26, 32 | 14, 41, 42 | 6 | 20, 47, 48 |
| | 2, 9, 45 | 7 | 9, 16, 52 | 0, 39, 46 | 4 | 4, 43, 50 |
| | 4, 6, 8 | 36 | 40, 42, 44 | 1, 33, 37 | 33 | 34, 6, 10 |
| | 20, 50, 53 | 40 | 0, 30, 33 | 15, 28, 59 | 39 | 54, 7, 38 |
| | 19, 31, 54 | 42 | 1, 13, 36 | 13, 29, 38 | 24 | 37, 53, 2 |
| | 18, 36, 47 | 27 | 45, 3, 14 | 7, 17, 25 | 10 | 17, 27, 35 |
| | 11, 26, 49 | 30 | 41, 56, 19 | 23, 32, 40 | 59 | 22, 31, 39 |
| | 30, 56, ∞_1 | 19 | 49, 15, ∞_1 | 34, 35, ∞_2 | 54 | 28, 29, ∞_2 |
| 43, 48, ∞_3 | 35 | 18, 23, ∞_3 | | | | |
| 22 | 30, 49, 52 | 0 | 30, 49, 52 | 22, 38, 47 | 1 | 23, 39, 48 |
| | 17, 31, 45 | 2 | 19, 33, 47 | 0, 35, 62 | 3 | 3, 38, 2 |
| | 12, 23, 27 | 4 | 16, 27, 31 | 1, 5, 25 | 7 | 8, 12, 32 |
| | 10, 28, 46 | 8 | 18, 36, 54 | 7, 16, 53 | 27 | 34, 43, 17 |
| | 14, 24, 43 | 60 | 11, 21, 40 | 11, 36, 48 | 14 | 25, 50, 62 |
| | 9, 39, 40 | 33 | 42, 9, 10 | 2, 34, 41 | 35 | 37, 6, 13 |
| | 15, 18, 20 | 41 | 56, 59, 61 | 8, 54, 59 | 55 | 0, 46, 51 |
| | 4, 6, 61 | 22 | 26, 28, 20 | 3, 33, 55 | 52 | 55, 22, 44 |
| | 13, 26, 60 | 44 | 57, 7, 41 | 19, 32, 42 | 45 | 1, 14, 24 |
| | 21, 29, 44 | 24 | 45, 53, 5 | 37, 57, ∞_1 | 21 | 58, 15, ∞_1 |
| 50, 56, ∞_2 | 42 | 29, 35, ∞_2 | 51, 58, ∞_3 | 9 | 60, 4, ∞_3 | |
| 23 | 20, 21, 44 | 0 | 20, 21, 44 | 7, 37, 54 | 1 | 8, 38, 55 |
| | 23, 28, 53 | 3 | 26, 31, 56 | 12, 15, 30 | 2 | 14, 17, 32 |
| | 8, 25, 35 | 4 | 12, 29, 39 | 1, 60, 64 | 5 | 6, 65, 3 |
| | 4, 27, 39 | 6 | 10, 33, 45 | 3, 11, 17 | 8 | 11, 19, 25 |
| | 9, 36, 49 | 53 | 62, 23, 36 | 6, 48, 59 | 64 | 4, 46, 57 |
| | 14, 47, 65 | 14 | 28, 61, 13 | 5, 33, 62 | 19 | 24, 52, 15 |
| | 2, 52, 58 | 49 | 51, 35, 41 | 0, 31, 40 | 27 | 27, 58, 1 |
| | 13, 34, 45 | 37 | 50, 5, 16 | 22, 41, 42 | 12 | 34, 53, 54 |
| | 19, 24, 56 | 40 | 59, 64, 30 | 10, 51, 55 | 33 | 43, 18, 22 |
| | 16, 18, 32 | 31 | 47, 49, 63 | 26, 38, 46 | 22 | 48, 60, 2 |
| 29, 57, ∞_1 | 46 | 9, 37, ∞_1 | 43, 50, ∞_2 | 23 | 0, 7, ∞_2 | |
| 61, 63, ∞_3 | 45 | 40, 42, ∞_3 | | | | |
| 24 | 16, 28, 44 | 0 | 16, 28, 44 | 2, 4, 15 | 2 | 4, 6, 17 |
| | 27, 31, 58 | 3 | 30, 34, 61 | 13, 23, 62 | 1 | 14, 24, 63 |
| | 10, 19, 55 | 10 | 20, 29, 65 | 1, 45, 51 | 4 | 5, 49, 55 |
| | 11, 12, 32 | 7 | 18, 19, 39 | 7, 54, 67 | 5 | 12, 59, 3 |
| | 37, 41, 59 | 9 | 46, 50, 68 | 36, 48, 66 | 18 | 54, 66, 15 |
| | 9, 24, 35 | 34 | 43, 58, 0 | 5, 38, 64 | 42 | 47, 11, 37 |
| | 30, 33, 47 | 23 | 53, 56, 1 | 26, 43, 68 | 68 | 25, 42, 67 |
| | 6, 20, 22 | 56 | 62, 7, 9 | 0, 21, 29 | 31 | 31, 52, 60 |
| | 14, 17, 52 | 65 | 10, 13, 48 | 3, 8, 40 | 37 | 40, 45, 8 |
| | 18, 25, 53 | 39 | 57, 64, 23 | 34, 39, 63 | 57 | 22, 27, 51 |
| 42, 49, 57 | 53 | 26, 33, 41 | 46, 65, ∞_1 | 25 | 2, 21, ∞_1 | |
| 50, 56, ∞_2 | 51 | 32, 38, ∞_2 | 60, 61, ∞_3 | 44 | 35, 36, ∞_3 | |
| 25 | 19, 25, 58 | 0 | 19, 25, 58 | 5, 20, 71 | 1 | 6, 21, 0 |
| | 28, 41, 43 | 2 | 30, 43, 45 | 21, 33, 50 | 3 | 24, 36, 53 |
| | 15, 16, 57 | 7 | 22, 23, 64 | 13, 48, 68 | 13 | 26, 61, 9 |
| | 22, 24, 52 | 5 | 27, 29, 57 | 17, 27, 49 | 11 | 28, 38, 60 |
| | 14, 26, 30 | 18 | 32, 44, 48 | 7, 66, 70 | 9 | 16, 3, 7 |
| | 6, 40, 51 | 33 | 39, 1, 12 | 4, 12, 39 | 38 | 42, 50, 5 |
| | 2, 36, 54 | 67 | 69, 31, 49 | 1, 29, 47 | 12 | 13, 41, 59 |
| | 11, 18, 34 | 56 | 67, 2, 18 | 3, 46, 56 | 30 | 33, 4, 14 |
| | 10, 35, 42 | 45 | 55, 8, 15 | 9, 59, 60 | 47 | 56, 34, 35 |
| | 8, 55, 69 | 57 | 65, 40, 54 | 0, 31, 67 | 52 | 52, 11, 47 |
| 23, 32, 37 | 14 | 37, 46, 51 | 38, 61, 64 | 28 | 66, 17, 20 | |
| 44, 63, ∞_1 | 19 | 63, 10, ∞_1 | 45, 53, ∞_2 | 17 | 62, 70, ∞_2 | |
| 62, 65, ∞_3 | 6 | 68, 71, ∞_3 | | | | |

Table 9 (Cont.)

| u | Starter | Adder | Starter+Adder | Starter | Adder | Starter+Adder | |
|--------------------|--------------------|------------|--------------------|--------------------|------------|--------------------|------------|
| 26 | 33, 45, 71 | 0 | 33, 45, 71 | 31, 52, 70 | 3 | 34, 55, 73 | |
| | 23, 38, 54 | 2 | 25, 40, 56 | 20, 47, 60 | 1 | 21, 48, 61 | |
| | 36, 50, 66 | 8 | 44, 58, 74 | 25, 48, 72 | 4 | 29, 52, 1 | |
| | 29, 44, 62 | 6 | 35, 50, 68 | 27, 46, 68 | 11 | 38, 57, 4 | |
| | 35, 56, 73 | 7 | 42, 63, 5 | 32, 51, 74 | 19 | 51, 70, 18 | |
| | 0, 1, 2 | 12 | 12, 13, 14 | 3, 5, 8 | 57 | 60, 62, 65 | |
| | 4, 7, 11 | 74 | 3, 6, 10 | 6, 10, 15 | 5 | 11, 15, 20 | |
| | 9, 16, 22 | 27 | 36, 43, 49 | 12, 18, 26 | 65 | 2, 8, 16 | |
| | 13, 21, 41 | 18 | 31, 39, 59 | 14, 43, 69 | 32 | 46, 0, 26 | |
| | 17, 49, 61 | 67 | 9, 41, 53 | 19, 55, 65 | 47 | 66, 27, 37 | |
| | 24, 58, 67 | 40 | 64, 23, 32 | 28, 39, 63 | 66 | 19, 30, 54 | |
| | 30, 40, 57 | 42 | 72, 7, 24 | 34, 64, ∞_1 | 33 | 67, 22, ∞_1 | |
| | 37, 59, ∞_2 | 10 | 47, 69, ∞_2 | 42, 53, ∞_3 | 50 | 17, 28, ∞_3 | |
| | 27 | 36, 55, 56 | 0 | 36, 55, 56 | 26, 28, 35 | 2 | 28, 30, 37 |
| | | 7, 11, 13 | 1 | 8, 12, 14 | 3, 16, 58 | 3 | 6, 19, 61 |
| | | 9, 17, 22 | 4 | 13, 21, 26 | 6, 15, 51 | 9 | 15, 24, 60 |
| 14, 21, 39 | | 6 | 20, 27, 45 | 12, 30, 44 | 5 | 17, 35, 49 | |
| 19, 41, 47 | | 10 | 29, 51, 57 | 18, 45, 68 | 7 | 25, 52, 75 | |
| 24, 34, 63 | | 49 | 73, 5, 34 | 20, 40, 52 | 27 | 47, 67, 1 | |
| 31, 43, 74 | | 22 | 53, 65, 18 | 23, 53, 64 | 16 | 39, 69, 2 | |
| 37, 61, 75 | | 13 | 50, 74, 10 | 33, 54, 70 | 56 | 11, 32, 48 | |
| 27, 42, 57 | | 67 | 16, 31, 46 | 25, 69, 72 | 47 | 72, 38, 41 | |
| 0, 8, 62 | | 70 | 70, 0, 54 | 1, 2, 76 | 61 | 62, 63, 59 | |
| 4, 38, 49 | | 38 | 42, 76, 9 | 5, 48, 73 | 63 | 68, 33, 58 | |
| 10, 32, 59 | | 12 | 22, 44, 71 | 29, 50, 67 | 14 | 43, 64, 3 | |
| 46, 65, ∞_1 | | 20 | 66, 7, ∞_1 | 60, 77, ∞_2 | 41 | 23, 40, ∞_2 | |
| 66, 71, ∞_3 | | 11 | 77, 4, ∞_3 | | | | |
| 28 | | 10, 19, 48 | 40 | 50, 59, 7 | 23, 45, 49 | 79 | 21, 43, 47 |
| | | 25, 27, 37 | 31 | 56, 58, 68 | 5, 22, 42 | 64 | 69, 5, 25 |
| | 0, 3, 7 | 39 | 39, 42, 46 | 38, 53, 59 | 24 | 62, 77, 2 | |
| | 15, 16, 73 | 0 | 15, 16, 73 | 14, 28, 46 | 3 | 17, 31, 49 | |
| | 13, 66, 74 | 1 | 14, 67, 75 | 8, 9, 76 | 2 | 10, 11, 78 | |
| | 36, 47, 69 | 5 | 41, 52, 74 | 24, 26, 77 | 4 | 28, 30, 0 | |
| | 12, 31, 60 | 33 | 45, 64, 12 | 1, 6, 57 | 23 | 24, 29, 80 | |
| | 11, 17, 58 | 46 | 57, 63, 23 | 2, 20, 67 | 18 | 20, 38, 4 | |
| | 41, 54, 62 | 25 | 66, 79, 6 | 35, 70, 79 | 20 | 55, 9, 18 | |
| | 34, 39, 65 | 69 | 22, 27, 53 | 29, 32, 68 | 8 | 37, 40, 76 | |
| | 4, 43, 78 | 57 | 61, 19, 54 | 18, 33, 50 | 15 | 33, 48, 65 | |
| | 21, 40, 64 | 49 | 70, 8, 32 | 30, 61, 71 | 54 | 3, 34, 44 | |
| | 44, 55, 80 | 27 | 71, 1, 26 | 51, 63, ∞_1 | 9 | 60, 72, ∞_1 | |
| | 52, 75, ∞_3 | 42 | 13, 36, ∞_2 | 56, 72, ∞_3 | 60 | 35, 51, ∞_3 | |
| | 29 | 37, 46, 80 | 0 | 37, 46, 80 | 32, 50, 79 | 2 | 34, 52, 81 |
| | | 3, 4, 22 | 1 | 4, 5, 23 | 2, 81, 82 | 4 | 6, 1, 2 |
| 10, 12, 36 | | 3 | 13, 15, 39 | 8, 53, 78 | 6 | 14, 59, 0 | |
| 18, 31, 39 | | 9 | 27, 40, 48 | 7, 60, 70 | 5 | 12, 65, 75 | |
| 6, 9, 13 | | 11 | 17, 20, 24 | 5, 11, 62 | 14 | 19, 25, 76 | |
| 17, 47, 69 | | 13 | 30, 60, 82 | 16, 24, 57 | 12 | 28, 36, 69 | |
| 15, 21, 26 | | 17 | 32, 38, 43 | 14, 34, 43 | 30 | 44, 64, 73 | |
| 20, 30, 66 | | 36 | 56, 66, 18 | 19, 51, 68 | 49 | 68, 16, 33 | |
| 28, 52, 63 | | 42 | 70, 10, 21 | 23, 49, 71 | 70 | 9, 35, 57 | |
| 33, 48, 73 | | 58 | 7, 22, 47 | 25, 42, 56 | 16 | 41, 58, 72 | |
| 0, 65, 72 | | 61 | 61, 42, 49 | 1, 41, 83 | 54 | 55, 11, 53 | |
| 27, 61, 74 | | 18 | 45, 79, 8 | 29, 45, 75 | 38 | 67, 83, 29 | |
| 35, 55, 58 | | 80 | 31, 51, 54 | 38, 54, 77 | 33 | 71, 3, 26 | |
| 40, 67, ∞_1 | | 10 | 50, 77, ∞_1 | 44, 59, ∞_2 | 19 | 63, 78, ∞_2 | |
| 64, 76, ∞_3 | | 82 | 62, 74, ∞_3 | | | | |
| 30 | | 6, 66, 83 | 36 | 42, 15, 32 | 18, 59, 73 | 72 | 3, 44, 58 |
| | 12, 28, 47 | 53 | 65, 81, 13 | 34, 70, 82 | 44 | 78, 27, 39 | |
| | 36, 69, 76 | 27 | 63, 9, 16 | 9, 22, 79 | 65 | 74, 0, 57 | |
| | 24, 67, 80 | 32 | 56, 12, 25 | 31, 37, 39 | 55 | 86, 5, 7 | |
| | 7, 10, 15 | 70 | 77, 80, 85 | 2, 25, 35 | 15 | 17, 40, 50 | |
| | 1, 64, 68 | 66 | 67, 43, 47 | 26, 49, 71 | 84 | 23, 46, 68 | |
| | 27, 41, 77 | 11 | 38, 52, 1 | 19, 56, 81 | 10 | 29, 66, 4 | |
| | 20, 44, 55 | 40 | 60, 84, 8 | 16, 50, 65 | 59 | 75, 22, 37 | |
| | 21, 48, 63 | 34 | 55, 82, 10 | 4, 32, 53 | 69 | 73, 14, 35 | |
| | 8, 13, 17 | 28 | 36, 41, 45 | 11, 54, 72 | 17 | 28, 71, 2 | |
| | 3, 42, 62 | 51 | 54, 6, 26 | 14, 30, 33 | 39 | 53, 69, 72 | |
| | 5, 51, 58 | 25 | 30, 76, 83 | 23, 29, 84 | 82 | 18, 24, 79 | |
| | 0, 85, 86 | 21 | 21, 19, 20 | 38, 60, 78 | 60 | 11, 33, 51 | |
| | 40, 52, 61 | 9 | 49, 61, 70 | 43, 74, ∞_1 | 75 | 31, 62, ∞_1 | |
| | 45, 75, ∞_2 | 76 | 34, 64, ∞_2 | 46, 57, ∞_3 | 2 | 48, 59, ∞_3 | |

Table 9 (Cont.)

| u | Starter | Adder | Starter+Adder | Starter | Adder | Starter+Adder |
|---------------------|---------------------|--------------------|---------------------|--------------------|--------------------|--------------------|
| 31 | 7, 9, 85 | 0 | 7, 9, 85 | 5, 28, 37 | 1 | 6, 29, 38 |
| | 4, 8, 75 | 4 | 8, 12, 79 | 3, 57, 59 | 2 | 5, 59, 61 |
| | 17, 26, 55 | 5 | 22, 31, 60 | 13, 51, 67 | 3 | 16, 54, 70 |
| | 11, 64, 84 | 7 | 18, 71, 1 | 10, 68, 72 | 9 | 19, 77, 81 |
| | 23, 34, 76 | 10 | 33, 44, 86 | 19, 52, 62 | 6 | 25, 58, 68 |
| | 16, 47, 86 | 8 | 24, 55, 4 | 15, 21, 70 | 13 | 28, 34, 83 |
| | 53, 58, 63 | 29 | 82, 87, 2 | 39, 66, 79 | 54 | 3, 30, 43 |
| | 38, 45, 73 | 66 | 14, 21, 49 | 31, 46, 65 | 38 | 69, 84, 13 |
| | 44, 50, 89 | 28 | 72, 78, 27 | 33, 49, 80 | 83 | 26, 42, 73 |
| | 27, 48, 77 | 78 | 15, 36, 65 | 25, 43, 69 | 88 | 23, 41, 67 |
| | 0, 24, 41 | 39 | 39, 63, 80 | 1, 2, 14 | 50 | 51, 52, 64 |
| | 6, 71, 74 | 56 | 62, 37, 40 | 12, 78, 81 | 44 | 56, 32, 35 |
| | 18, 29, 36 | 71 | 89, 10, 17 | 20, 35, 83 | 55 | 75, 0, 48 |
| | 22, 30, 87 | 23 | 45, 53, 20 | 32, 40, 54 | 34 | 66, 74, 88 |
| | 42, 88, ∞_1 | 59 | 11, 57, ∞_1 | 56, 82, ∞_2 | 84 | 50, 76, ∞_2 |
| | 60, 61, ∞_3 | 76 | 46, 47, ∞_3 | | | |
| | 32 | 4, 7, 11 | 78 | 82, 85, 89 | 0, 1, 2 | 69 |
| 25, 60, 80 | | 90 | 22, 57, 77 | 17, 39, 47 | 58 | 75, 4, 12 |
| 33, 46, 85 | | 66 | 6, 19, 58 | 38, 53, 88 | 60 | 5, 20, 55 |
| 40, 65, 90 | | 51 | 91, 23, 48 | 32, 51, 83 | 5 | 37, 56, 88 |
| 42, 68, 91 | | 86 | 35, 61, 84 | 3, 5, 8 | 87 | 90, 92, 2 |
| 13, 22, 79 | | 81 | 1, 10, 67 | 45, 64, 82 | 19 | 64, 83, 8 |
| 36, 70, 92 | | 73 | 16, 50, 72 | 37, 63, 84 | 63 | 7, 33, 54 |
| 35, 56, 89 | | 30 | 65, 86, 26 | 12, 48, 77 | 56 | 68, 11, 40 |
| 27, 54, 69 | | 12 | 39, 66, 81 | 41, 58, 74 | 2 | 43, 60, 76 |
| 29, 52, 76 | | 79 | 15, 38, 62 | 23, 55, 67 | 70 | 0, 32, 44 |
| 6, 10, 15 | | 36 | 42, 46, 51 | 14, 24, 87 | 35 | 49, 59, 29 |
| 31, 59, 71 | | 75 | 13, 41, 53 | 9, 16, 57 | 64 | 73, 80, 28 |
| 44, 62, 78 | | 67 | 18, 36, 52 | 18, 28, 73 | 6 | 24, 34, 79 |
| 19, 30, 43 | | 44 | 63, 74, 87 | 20, 26, 34 | 76 | 3, 9, 17 |
| 21, 50, 61 | | 57 | 78, 14, 25 | 49, 66, ∞_1 | 74 | 30, 47, ∞_1 |
| 72, 86, ∞_2 | | 52 | 31, 45, ∞_2 | 75, 81, ∞_3 | 39 | 21, 27, ∞_3 |
| 34 | | 37, 45, 68 | 38 | 75, 83, 7 | 2, 51, 66 | 15 |
| | 9, 21, 88 | 42 | 51, 63, 31 | 24, 55, 77 | 19 | 43, 74, 96 |
| | 25, 67, 86 | 70 | 95, 38, 57 | 23, 48, 64 | 21 | 44, 69, 85 |
| | 49, 63, 90 | 86 | 36, 50, 77 | 44, 61, 80 | 17 | 61, 78, 97 |
| | 42, 89, 97 | 28 | 70, 18, 26 | 46, 81, 92 | 30 | 76, 12, 23 |
| | 43, 70, 98 | 48 | 91, 19, 47 | 0, 69, 74 | 33 | 33, 3, 8 |
| | 27, 53, 87 | 67 | 94, 21, 55 | 17, 35, 78 | 69 | 86, 5, 48 |
| | 8, 56, 79 | 52 | 60, 9, 32 | 41, 65, 91 | 98 | 40, 64, 90 |
| | 40, 57, 94 | 58 | 98, 16, 53 | 1, 4, 11 | 61 | 62, 65, 72 |
| | 16, 26, 30 | 11 | 27, 37, 41 | 6, 7, 12 | 8 | 14, 15, 20 |
| | 3, 5, 95 | 77 | 80, 82, 73 | 10, 19, 62 | 93 | 4, 13, 56 |
| | 31, 47, 60 | 97 | 29, 45, 58 | 29, 32, 50 | 60 | 89, 92, 11 |
| | 20, 59, 71 | 29 | 49, 88, 1 | 22, 54, 58 | 87 | 10, 42, 46 |
| | 13, 28, 34 | 71 | 84, 0, 6 | 14, 36, 76 | 57 | 71, 93, 34 |
| | 15, 84, 85 | 39 | 54, 24, 25 | 18, 38, 83 | 83 | 2, 22, 67 |
| | 33, 73, 75 | 54 | 87, 28, 30 | 39, 52, ∞_1 | 0 | 39, 52, ∞_1 |
| | 72, 96, ∞_2 | 62 | 35, 59, ∞_2 | 82, 93, ∞_3 | 85 | 68, 79, ∞_3 |
| 35 | 37, 62, 78 | 49 | 86, 9, 25 | 23, 55, 81 | 38 | 61, 93, 17 |
| | 16, 36, 101 | 56 | 72, 92, 55 | 19, 88, 92 | 80 | 99, 66, 70 |
| | 0, 49, 91 | 95 | 95, 42, 84 | 5, 12, 24 | 98 | 1, 8, 20 |
| | 33, 35, 79 | 67 | 100, 0, 44 | 11, 82, 83 | 24 | 35, 4, 5 |
| | 20, 41, 48 | 76 | 96, 15, 22 | 21, 54, 59 | 66 | 87, 18, 23 |
| | 38, 51, 75 | 75 | 11, 24, 48 | 25, 60, 76 | 21 | 46, 81, 97 |
| | 22, 52, 97 | 99 | 19, 49, 94 | 17, 26, 34 | 13 | 30, 39, 47 |
| | 50, 64, 86 | 48 | 98, 10, 32 | 1, 9, 10 | 59 | 60, 68, 69 |
| | 13, 18, 61 | 27 | 40, 45, 88 | 28, 43, 90 | 39 | 67, 82, 27 |
| | 27, 66, 89 | 87 | 12, 51, 74 | 30, 40, 85 | 43 | 73, 83, 26 |
| | 15, 67, 99 | 93 | 6, 58, 90 | 2, 8, 98 | 83 | 85, 91, 79 |
| | 4, 6, 77 | 58 | 62, 64, 33 | 7, 63, 74 | 82 | 89, 43, 54 |
| | 14, 39, 53 | 62 | 76, 101, 13 | 3, 69, 95 | 35 | 38, 2, 28 |
| | 29, 32, 70 | 5 | 34, 37, 75 | 42, 46, 94 | 11 | 53, 57, 3 |
| | 44, 47, 65 | 12 | 56, 59, 77 | 45, 68, 87 | 86 | 29, 52, 71 |
| | 31, 58, 80 | 85 | 14, 41, 63 | 56, 71, 84 | 96 | 50, 65, 78 |
| | 57, 100, ∞_1 | 23 | 80, 21, ∞_1 | 72, 96, ∞_2 | 37 | 7, 31, ∞_2 |
| 73, 93, ∞_3 | 45 | 16, 36, ∞_3 | | | | |
| 38 | 32, 101, 109 | 97 | 18, 87, 95 | 22, 35, 87 | 67 | 89, 102, 43 |
| | 6, 8, 11 | 13 | 19, 21, 24 | 24, 62, 77 | 81 | 105, 32, 47 |
| | 36, 50, 54 | 47 | 83, 97, 101 | 29, 73, 95 | 39 | 68, 1, 23 |
| | 10, 31, 34 | 38 | 48, 69, 72 | 9, 39, 56 | 61 | 70, 100, 6 |
| | 51, 76, 99 | 63 | 3, 28, 51 | 19, 28, 38 | 6 | 25, 34, 44 |
| | 14, 66, 102 | 22 | 36, 88, 13 | 5, 92, 96 | 74 | 79, 55, 59 |
| | 18, 45, 78 | 86 | 104, 20, 53 | 55, 71, 110 | 27 | 82, 98, 26 |
| | 27, 41, 103 | 8 | 35, 49, 0 | 25, 65, 97 | 68 | 93, 22, 54 |
| | 43, 68, 85 | 106 | 38, 63, 80 | 48, 67, 89 | 29 | 77, 96, 7 |
| | 33, 91, 106 | 76 | 109, 56, 71 | 15, 49, 60 | 59 | 74, 108, 8 |
| | 2, 4, 30 | 62 | 64, 66, 92 | 42, 47, 90 | 78 | 9, 14, 57 |
| | 46, 52, 79 | 15 | 61, 67, 94 | 12, 21, 88 | 64 | 76, 85, 41 |
| | 20, 74, 100 | 95 | 4, 58, 84 | 17, 72, 82 | 104 | 10, 65, 75 |
| | 26, 57, 107 | 3 | 29, 60, 110 | 40, 69, 81 | 82 | 11, 40, 52 |
| | 3, 16, 23 | 100 | 103, 5, 12 | 0, 1, 7 | 30 | 30, 31, 37 |
| | 44, 80, 98 | 46 | 90, 15, 33 | 37, 84, 105 | 2 | 39, 86, 107 |
| | 13, 63, 64 | 93 | 106, 45, 46 | 53, 61, 93 | 20 | 73, 81, 2 |
| 58, 70, 86 | 103 | 50, 62, 78 | 59, 108, ∞_1 | 94 | 42, 91, ∞_1 | |
| 75, 104, ∞_2 | 24 | 99, 17, ∞_2 | 83, 94, ∞_3 | 44 | 16, 27, ∞_3 | |

Table 10 (S, C, R) and A for $(1, 2; 3)$ -frames of types $(3h)^u(3\ell)^l$

| | | | | | | |
|------------------------|-------|------------------------|-------------------------|---|-------------------------|--|
| C | | R | | A $(1, 2; 3)$ -frame of type $12^9 18^1$ | | |
| 4, 6, 11 | | 32, 61, 93 | | | | |
| 8, 12, 16 | | 38, 69, 100 | | | | |
| 17, 30, 43 | | 25, 48, 68 | | | | |
| 22, 41, 66 | | 19, 33, 47 | | | | |
| 29, 51, 79 | | 31, 60, 83 | | | | |
| 35, 67, 102 | | 7, 14, 24 | | | | |
| Starter | Adder | Starter+ Adder | Starter | Adder | Starter + Adder | |
| 33, 73, 88 | 1 | 34, 74, 89 | 28, 58, 74 | 12 | 40, 70, 86 | |
| 25, 65, 76 | 19 | 44, 84, 95 | 24, 61, 71 | 4 | 28, 65, 75 | |
| 23, 26, 42 | 16 | 39, 42, 58 | 48, 69, 107 | 2 | 50, 71, 1 | |
| 37, 70, 92 | 6 | 43, 76, 98 | 47, 80, 105 | 5 | 52, 85, 2 | |
| 44, 59, 100 | 7 | 51, 66, 107 | 1, 2, 3 | 3 | 4, 5, 6 | |
| 5, 53, 56 | 11 | 16, 64, 67 | 7, 31, 91 | 10 | 17, 41, 101 | |
| 10, 15, 21 | 82 | 92, 97, 103 | 13, 84, 104 | 83 | 96, 59, 79 | |
| 14, 101, ∞_1 | 64 | 78, 57, ∞_1 | 19, 93, ∞_2 | 37 | 56, 22, ∞_2 | |
| 20, 86, ∞_3 | 71 | 91, 49, ∞_3 | 32, 98, ∞_4 | 97 | 21, 87, ∞_4 | |
| 34, 78, ∞_5 | 60 | 94, 30, ∞_5 | 40, 46, ∞_6 | 65 | 105, 3, ∞_6 | |
| 50, 89, ∞_7 | 32 | 82, 13, ∞_7 | 52, 64, ∞_8 | 67 | 11, 23, ∞_8 | |
| 62, 96, ∞_9 | 58 | 12, 46, ∞_9 | 75, 83, ∞_{10} | 62 | 29, 37, ∞_{10} | |
| 77, 103, ∞_{11} | 93 | 62, 88, ∞_{11} | 85, 97, ∞_{12} | 21 | 106, 10, ∞_{12} | |
| 60, 95, ∞_{13} | 68 | 20, 55, ∞_{13} | 57, 106, ∞_{14} | 104 | 53, 102, ∞_{14} | |
| 55, 94, ∞_{15} | 22 | 77, 8, ∞_{15} | 49, 87, ∞_{16} | 94 | 35, 73, ∞_{16} | |
| 39, 82, ∞_{17} | 41 | 80, 15, ∞_{17} | 38, 68, ∞_{18} | 66 | 104, 26, ∞_{18} | |
| C | | R | | A $(1, 2; 3)$ -frame of type $12^9 21^1$ | | |
| 4, 6, 11 | | 38, 69, 100 | | | | |
| 8, 12, 16 | | 25, 48, 68 | | | | |
| 17, 30, 43 | | 19, 33, 47 | | | | |
| 22, 41, 66 | | 31, 60, 83 | | | | |
| 29, 51, 79 | | 7, 14, 24 | | | | |
| 35, 67, 102 | | 15, 26, 34 | | | | |
| 32, 61, 93 | | 28, 50, 75 | | | | |
| Starter | Adder | Starter+ Adder | Starter | Adder | Starter + Adder | |
| 21, 58, 91 | 1 | 22, 59, 92 | 15, 31, 71 | 6 | 21, 37, 77 | |
| 14, 25, 40 | 15 | 29, 40, 55 | 7, 13, 19 | 4 | 11, 17, 23 | |
| 5, 10, 20 | 41 | 46, 51, 61 | 37, 92, 104 | 2 | 39, 94, 106 | |
| 34, 74, 98 | 22 | 56, 96, 12 | 33, 53, 83 | 20 | 53, 73, 103 | |
| 28, 44, 65 | 13 | 41, 57, 78 | 23, 26, 47 | 39 | 62, 65, 86 | |
| 1, 75, 76 | 12 | 13, 87, 88 | 2, 64, ∞_1 | 3 | 5, 67, ∞_1 | |
| 3, 62, ∞_2 | 17 | 20, 79, ∞_2 | 24, 77, ∞_3 | 47 | 71, 16, ∞_3 | |
| 42, 84, ∞_4 | 32 | 74, 8, ∞_4 | 46, 97, ∞_5 | 106 | 44, 95, ∞_5 | |
| 48, 96, ∞_6 | 61 | 1, 49, ∞_6 | 50, 89, ∞_7 | 8 | 58, 97, ∞_7 | |
| 52, 100, ∞_8 | 14 | 66, 6, ∞_8 | 56, 107, ∞_9 | 33 | 89, 32, ∞_9 | |
| 59, 101, ∞_{10} | 92 | 43, 85, ∞_{10} | 69, 103, ∞_{11} | 69 | 30, 64, ∞_{11} | |
| 70, 73, ∞_{12} | 28 | 98, 101, ∞_{12} | 78, 80, ∞_{13} | 24 | 102, 104, ∞_{13} | |
| 85, 86, ∞_{14} | 25 | 2, 3, ∞_{14} | 88, 105, ∞_{15} | 96 | 76, 93, ∞_{15} | |
| 60, 95, ∞_{16} | 10 | 70, 105, ∞_{16} | 57, 106, ∞_{17} | 86 | 35, 84, ∞_{17} | |
| 55, 94, ∞_{18} | 105 | 52, 91, ∞_{18} | 49, 87, ∞_{19} | 31 | 80, 10, ∞_{19} | |
| 39, 82, ∞_{20} | 68 | 107, 42, ∞_{20} | 38, 68, ∞_{21} | 44 | 82, 4, ∞_{21} | |
| C | | R | | A $(1, 2; 3)$ -frame of type $12^{10} 18^1$ | | |
| 4, 6, 11 | | 8, 15, 31 | | | | |
| 5, 9, 13 | | 18, 32, 49 | | | | |
| 17, 34, 48 | | 26, 54, 88 | | | | |
| 21, 43, 65 | | 35, 67, 102 | | | | |
| 25, 53, 78 | | 36, 68, 109 | | | | |
| 27, 56, 85 | | 37, 72, 119 | | | | |
| Starter | Adder | Starter+ Adder | Starter | Adder | Starter + Adder | |
| 22, 33, 87 | 5 | 27, 38, 92 | 18, 24, 36 | 15 | 33, 39, 51 | |
| 16, 19, 64 | 9 | 25, 28, 73 | 39, 66, 111 | 3 | 42, 69, 114 | |
| 38, 62, 101 | 14 | 52, 76, 115 | 35, 76, 113 | 8 | 43, 84, 1 | |
| 32, 51, 93 | 2 | 34, 53, 95 | 31, 47, 99 | 17 | 48, 64, 116 | |
| 7, 12, 15 | 4 | 11, 16, 19 | 8, 14, 23 | 33 | 41, 47, 56 | |
| 55, 91, 116 | 6 | 61, 97, 2 | 44, 71, 115 | 11 | 55, 82, 6 | |
| 41, 74, 112 | 22 | 63, 96, 14 | 26, 37, 52 | 49 | 75, 86, 101 | |
| 29, 42, 63 | 16 | 45, 58, 79 | 49, 82, 118 | 25 | 74, 107, 23 | |
| 45, 88, 114 | 97 | 22, 65, 91 | 1, 2, 57 | 76 | 77, 78, 13 | |
| 3, 59, ∞_1 | 82 | 85, 21, ∞_1 | 28, 94, ∞_2 | 38 | 66, 12, ∞_2 | |
| 46, 89, ∞_3 | 77 | 3, 46, ∞_3 | 54, 117, ∞_4 | 27 | 81, 24, ∞_4 | |
| 58, 77, ∞_5 | 47 | 105, 4, ∞_5 | 61, 107, ∞_6 | 1 | 62, 108, ∞_6 | |
| 67, 104, ∞_7 | 45 | 112, 29, ∞_7 | 68, 86, ∞_8 | 43 | 111, 9, ∞_8 | |
| 69, 108, ∞_9 | 95 | 44, 83, ∞_9 | 72, 84, ∞_{10} | 107 | 59, 71, ∞_{10} | |
| 73, 119, ∞_{11} | 104 | 57, 103, ∞_{11} | 75, 98, ∞_{12} | 19 | 94, 117, ∞_{12} | |
| 79, 103, ∞_{13} | 34 | 113, 17, ∞_{13} | 81, 102, ∞_{14} | 23 | 104, 5, ∞_{14} | |
| 83, 92, ∞_{15} | 35 | 118, 7, ∞_{15} | 95, 97, ∞_{16} | 112 | 87, 89, ∞_{16} | |
| 96, 109, ∞_{17} | 117 | 93, 106, ∞_{17} | 105, 106, ∞_{18} | 113 | 98, 99, ∞_{18} | |

Table 10 (Cont.)

| C | | R | | A (1,2;3)-frame of type $12^{10}21^1$ | | |
|------------------------|-------|------------------------|-------------------------|---------------------------------------|-------------------------|--|
| 4,6,11 | | 18,32,49 | | | | |
| 5,9,13 | | 26,54,88 | | | | |
| 17,34,48 | | 35,67,102 | | | | |
| 21,43,65 | | 36,68,109 | | | | |
| 25,53,78 | | 37,72,119 | | | | |
| 27,56,85 | | 14,22,33 | | | | |
| 8,15,31 | | 28,62,99 | | | | |
| Starter | Adder | Starter+ Adder | Starter | Adder | Starter + Adder | |
| 29, 47, 95 | 9 | 38, 56, 104 | 28, 44, 67 | 11 | 39, 55, 78 | |
| 26, 38, 82 | 3 | 29, 41, 85 | 24, 36, 37 | 7 | 31, 43, 44 | |
| 18, 33, 42 | 24 | 42, 57, 66 | 45, 83, 104 | 1 | 46, 84, 105 | |
| 41, 87, 106 | 6 | 47, 93, 112 | 39, 63, 105 | 12 | 51, 75, 117 | |
| 35, 68, 114 | 13 | 48, 81, 7 | 32, 59, 77 | 2 | 34, 61, 79 | |
| 49, 86, 112 | 25 | 74, 111, 17 | 46, 94, 115 | 78 | 4, 52, 73 | |
| 1, 2, 7 | 4 | 5, 6, 11 | 12, 14, 69 | 75 | 87, 89, 24 | |
| 16, 19, 22 | 76 | 92, 95, 98 | 23, 72, ∞_1 | 22 | 45, 94, ∞_1 | |
| 51, 103, ∞_2 | 18 | 69, 1, ∞_2 | 54, 96, ∞_3 | 43 | 97, 19, ∞_3 | |
| 55, 119, ∞_4 | 92 | 27, 91, ∞_4 | 57, 93, ∞_5 | 8 | 65, 101, ∞_5 | |
| 61, 113, ∞_6 | 16 | 77, 9, ∞_6 | 62, 101, ∞_7 | 14 | 76, 115, ∞_7 | |
| 66, 102, ∞_8 | 77 | 23, 59, ∞_8 | 71, 98, ∞_9 | 35 | 106, 13, ∞_9 | |
| 75, 108, ∞_{10} | 28 | 103, 16, ∞_{10} | 76, 89, ∞_{11} | 46 | 2, 15, ∞_{11} | |
| 79, 88, ∞_{12} | 44 | 3, 12, ∞_{12} | 81, 92, ∞_{13} | 26 | 107, 118, ∞_{13} | |
| 84, 99, ∞_{14} | 29 | 113, 8, ∞_{14} | 91, 116, ∞_{15} | 87 | 58, 83, ∞_{15} | |
| 64, 107, ∞_{16} | 109 | 53, 96, ∞_{16} | 74, 117, ∞_{17} | 67 | 21, 64, ∞_{17} | |
| 73, 118, ∞_{18} | 118 | 71, 116, ∞_{18} | 58, 109, ∞_{19} | 5 | 63, 114, ∞_{19} | |
| 52, 111, ∞_{20} | 34 | 86, 25, ∞_{20} | 3, 97, ∞_{21} | 105 | 108, 82, ∞_{21} | |
| C | | R | | A (1,2;3)-frame of type $12^{11}15^1$ | | |
| 4,6,14 | | 37,74,117 | | | | |
| 7,12,17 | | 27,56,85 | | | | |
| 16,32,48 | | 38,75,118 | | | | |
| 20,39,58 | | 34,69,107 | | | | |
| 25,51,83 | | 18,35,49 | | | | |
| Starter | Adder | Starter+ Adder | Starter | Adder | Starter + Adder | |
| 41, 71, 116 | 84 | 125, 23, 68 | 38, 62, 111 | 25 | 63, 87, 4 | |
| 65, 92, 122 | 93 | 26, 53, 83 | 43, 69, 94 | 58 | 101, 127, 20 | |
| 34, 40, 47 | 5 | 39, 45, 52 | 1, 2, 98 | 128 | 129, 130, 94 | |
| 3, 108, 120 | 37 | 40, 13, 25 | 13, 54, 74 | 19 | 32, 73, 93 | |
| 30, 97, 117 | 17 | 47, 114, 2 | 52, 80, 128 | 68 | 120, 16, 64 | |
| 31, 85, 127 | 48 | 79, 1, 43 | 8, 21, 23 | 63 | 71, 84, 86 | |
| 37, 129, 130 | 105 | 10, 102, 103 | 46, 49, 113 | 60 | 106, 109, 41 | |
| 64, 95, 103 | 28 | 92, 123, 131 | 27, 50, 96 | 45 | 72, 95, 9 | |
| 28, 42, 90 | 109 | 5, 19, 67 | 10, 19, 70 | 41 | 51, 60, 111 | |
| 15, 18, 24 | 6 | 21, 24, 30 | 5, 9, 26 | 52 | 57, 61, 78 | |
| 59, 82, 106 | 131 | 58, 81, 105 | 35, 89, 114 | 24 | 59, 113, 6 | |
| 36, 86, 107 | 53 | 89, 7, 28 | 29, 101, 105 | 7 | 36, 108, 112 | |
| 45, 63, 91 | 35 | 80, 98, 126 | 53, 87, ∞_1 | 62 | 115, 17, ∞_1 | |
| 56, 124, ∞_2 | 20 | 76, 12, ∞_2 | 61, 123, ∞_3 | 1 | 62, 124, ∞_3 | |
| 67, 79, ∞_4 | 49 | 116, 128, ∞_4 | 73, 126, ∞_5 | 9 | 82, 3, ∞_5 | |
| 78, 119, ∞_6 | 83 | 29, 70, ∞_6 | 81, 115, ∞_7 | 82 | 31, 65, ∞_7 | |
| 84, 102, ∞_8 | 38 | 122, 8, ∞_8 | 93, 100, ∞_9 | 4 | 97, 104, ∞_9 | |
| 76, 118, ∞_{10} | 104 | 48, 90, ∞_{10} | 75, 125, ∞_{11} | 103 | 46, 96, ∞_{11} | |
| 72, 112, ∞_{12} | 74 | 14, 54, ∞_{12} | 68, 131, ∞_{13} | 51 | 119, 50, ∞_{13} | |
| 60, 109, ∞_{14} | 114 | 42, 91, ∞_{14} | 57, 104, ∞_{15} | 43 | 100, 15, ∞_{15} | |
| C | | R | | A (1,2;3)-frame of type $12^{11}18^1$ | | |
| 4,6,14 | | 27,56,85 | | | | |
| 7,12,17 | | 38,75,118 | | | | |
| 16,32,48 | | 34,69,107 | | | | |
| 20,39,58 | | 18,35,49 | | | | |
| 25,51,83 | | 31,59,93 | | | | |
| 37,74,117 | | 40,81,122 | | | | |
| Starter | Adder | Starter+ Adder | Starter | Adder | Starter + Adder | |
| 36, 56, 120 | 5 | 41, 61, 125 | 35, 81, 106 | 2 | 37, 83, 108 | |
| 64, 70, 127 | 1 | 65, 71, 128 | 42, 95, 115 | 8 | 50, 103, 123 | |
| 46, 69, 97 | 7 | 53, 76, 104 | 45, 94, 129 | 6 | 51, 100, 3 | |
| 63, 90, 130 | 4 | 67, 94, 2 | 49, 73, 124 | 9 | 58, 82, 1 | |
| 62, 98, 122 | 16 | 78, 114, 6 | 59, 93, 123 | 3 | 62, 96, 126 | |
| 52, 82, 105 | 34 | 86, 116, 7 | 50, 86, 128 | 20 | 70, 106, 16 | |
| 1, 2, 3 | 12 | 13, 14, 15 | 5, 8, 23 | 24 | 29, 32, 47 | |
| 9, 13, 21 | 15 | 24, 28, 36 | 10, 19, 28 | 29 | 39, 48, 57 | |
| 15, 18, 30 | 72 | 87, 90, 102 | 24, 31, 38 | 60 | 84, 91, 98 | |
| 26, 43, 119 | 17 | 43, 60, 4 | 27, 87, 114 | 90 | 117, 45, 72 | |
| 29, 54, 116 | 35 | 64, 89, 19 | 34, 80, 101 | 40 | 74, 120, 9 | |
| 40, 111, ∞_1 | 89 | 129, 68, ∞_1 | 41, 67, ∞_2 | 86 | 127, 21, ∞_2 | |
| 47, 103, ∞_3 | 83 | 130, 54, ∞_3 | 53, 107, ∞_4 | 104 | 25, 79, ∞_4 | |
| 61, 100, ∞_5 | 52 | 113, 20, ∞_5 | 65, 96, ∞_6 | 109 | 42, 73, ∞_6 | |
| 71, 84, ∞_7 | 53 | 124, 5, ∞_7 | 78, 91, ∞_8 | 64 | 10, 23, ∞_8 | |
| 79, 126, ∞_9 | 18 | 97, 12, ∞_9 | 85, 89, ∞_{10} | 26 | 111, 115, ∞_{10} | |
| 92, 113, ∞_{11} | 27 | 119, 8, ∞_{11} | 102, 108, ∞_{12} | 125 | 95, 101, ∞_{12} | |
| 76, 118, ∞_{13} | 119 | 63, 105, ∞_{13} | 75, 125, ∞_{14} | 37 | 112, 30, ∞_{14} | |
| 72, 112, ∞_{15} | 112 | 52, 92, ∞_{15} | 68, 131, ∞_{16} | 81 | 17, 80, ∞_{16} | |
| 60, 109, ∞_{17} | 49 | 109, 26, ∞_{17} | 57, 104, ∞_{18} | 74 | 131, 46, ∞_{18} | |

Table 10 (Cont.)

| C | | R | | A (1,2;3)-frame of type $12^{11}21^1$ | | |
|------------------------|-------|------------------------|------------------------|---------------------------------------|------------------------|--|
| 4,6,14 | | 38,75,118 | | | | |
| 7,12,17 | | 34,69,107 | | | | |
| 16,32,48 | | 18,35,49 | | | | |
| 20,39,58 | | 31,59,93 | | | | |
| 25,51,83 | | 40,81,122 | | | | |
| 37,74,117 | | 5,9,13 | | | | |
| 27,56,85 | | 10,23,30 | | | | |
| Starter | Adder | Starter+ Adder | Starter | Adder | Starter + Adder | |
| 29,94,114 | 3 | 32,97,117 | 24,30,105 | 15 | 39,45,120 | |
| 21,28,42 | 8 | 29,36,50 | 13,26,38 | 30 | 43,56,68 | |
| 10,19,31 | 6 | 16,25,37 | 41,95,120 | 5 | 46,100,125 | |
| 40,63,111 | 1 | 41,64,112 | 36,62,108 | 16 | 52,78,124 | |
| 35,59,86 | 12 | 4,71,98 | 34,52,79 | 24 | 58,76,103 | |
| 50,89,113 | 13 | 63,102,126 | 43,73,115 | 14 | 57,87,129 | |
| 54,90,130 | 19 | 73,109,17 | 53,98,129 | 7 | 60,105,4 | |
| 46,80,116 | 28 | 74,108,12 | 45,93,123 | 35 | 80,128,26 | |
| 1,2,3 | 18 | 19,20,21 | 5,8,69 | 46 | 51,54,115 | |
| 9,18,82 | 129 | 6,15,79 | 15,64, ∞_1 | 47 | 62,111, ∞_1 | |
| 23,127, ∞_2 | 90 | 113,85, ∞_2 | 47,70, ∞_3 | 57 | 104,127, ∞_3 | |
| 49,102, ∞_4 | 91 | 8,61, ∞_4 | 61,128, ∞_5 | 69 | 130,65, ∞_5 | |
| 65,122, ∞_6 | 94 | 27,84, ∞_6 | 67,84, ∞_7 | 39 | 106,123, ∞_7 | |
| 71,106, ∞_8 | 68 | 7,42, ∞_8 | 78,124, ∞_9 | 102 | 48,94, ∞_9 | |
| 81,96, ∞_{10} | 20 | 101,116, ∞_{10} | 87,126, ∞_{11} | 98 | 53,92, ∞_{11} | |
| 91,97, ∞_{12} | 124 | 83,89, ∞_{12} | 92,107, ∞_{13} | 107 | 67,82, ∞_{13} | |
| 100,103, ∞_{14} | 31 | 131,2, ∞_{14} | 101,119, ∞_{15} | 103 | 72,90, ∞_{15} | |
| 76,118, ∞_{16} | 38 | 114,24, ∞_{16} | 75,125, ∞_{17} | 21 | 96,14, ∞_{17} | |
| 72,112, ∞_{18} | 23 | 95,3, ∞_{18} | 68,131, ∞_{19} | 92 | 28,91, ∞_{19} | |
| 60,109, ∞_{20} | 10 | 70,119, ∞_{20} | 57,104, ∞_{21} | 29 | 86,1, ∞_{21} | |
| C | | R | | A (1,2;3)-frame of type $12^{12}15^1$ | | |
| 7,14,27 | | 35,67,102 | | | | |
| 17,31,45 | | 49,92,138 | | | | |
| 52,99,143 | | 18,34,50 | | | | |
| 43,83,126 | | 44,85,129 | | | | |
| 28,53,78 | | 10,20,30 | | | | |
| Starter | Adder | Starter+ Adder | Starter | Adder | Starter + Adder | |
| 3,8,69 | 140 | 143,4,65 | 18,49,122 | 19 | 37,68,141 | |
| 5,55,131 | 114 | 119,25,101 | 64,82,117 | 23 | 87,105,140 | |
| 29,32,62 | 104 | 133,136,22 | 19,34,40 | 81 | 100,115,121 | |
| 51,73,115 | 44 | 95,117,15 | 42,47,94 | 116 | 14,19,66 | |
| 26,67,141 | 83 | 109,6,80 | 16,79,102 | 88 | 104,23,46 | |
| 1,2,112 | 89 | 90,91,57 | 50,63,101 | 26 | 76,89,127 | |
| 37,41,119 | 33 | 70,74,8 | 58,61,92 | 55 | 113,116,3 | |
| 9,15,114 | 46 | 55,61,16 | 35,89,106 | 102 | 137,47,64 | |
| 11,74,104 | 115 | 126,45,75 | 21,44,109 | 42 | 63,86,7 | |
| 38,46,57 | 65 | 103,111,122 | 10,90,139 | 63 | 73,9,58 | |
| 39,65,66 | 58 | 97,123,124 | 30,56,105 | 13 | 43,69,118 | |
| 23,25,110 | 87 | 110,112,53 | 33,100,121 | 137 | 26,93,114 | |
| 20,75,137 | 8 | 28,83,1 | 4,6,111 | 50 | 54,56,17 | |
| 13,22,138 | 85 | 98,107,79 | 54,124,133 | 52 | 106,32,41 | |
| 71,129,140 | 17 | 88,2,13 | 80,88, ∞_1 | 95 | 31,39, ∞_1 | |
| 81,118, ∞_2 | 47 | 128,21, ∞_2 | 91,95, ∞_3 | 91 | 38,42, ∞_3 | |
| 93,135, ∞_4 | 38 | 131,29, ∞_4 | 97,142, ∞_5 | 141 | 94,139, ∞_5 | |
| 98,127, ∞_6 | 57 | 11,40, ∞_6 | 123,130, ∞_7 | 73 | 52,59, ∞_7 | |
| 86,103, ∞_8 | 39 | 125,142, ∞_8 | 87,125, ∞_9 | 90 | 33,71, ∞_9 | |
| 85,107, ∞_{10} | 136 | 77,99, ∞_{10} | 77,134, ∞_{11} | 1 | 78,135, ∞_{11} | |
| 76,128, ∞_{12} | 6 | 82,134, ∞_{12} | 70,116, ∞_{13} | 79 | 5,51, ∞_{13} | |
| 68,136, ∞_{14} | 138 | 62,130, ∞_{14} | 59,113, ∞_{15} | 112 | 27,81, ∞_{15} | |
| C | | R | | A (1,2;3)-frame of type $12^{12}18^1$ | | |
| 7,14,27 | | 49,92,138 | | | | |
| 17,31,45 | | 18,34,50 | | | | |
| 52,99,143 | | 44,85,129 | | | | |
| 43,83,126 | | 10,20,30 | | | | |
| 28,53,78 | | 41,76,114 | | | | |
| 35,67,102 | | 51,98,139 | | | | |
| Starter | Adder | Starter+ Adder | Starter | Adder | Starter + Adder | |
| 1,2,3 | 30 | 31,32,33 | 58,92,129 | 32 | 90,124,17 | |
| 62,93,124 | 9 | 71,102,133 | 63,97,142 | 16 | 79,113,14 | |
| 64,94,133 | 13 | 77,107,2 | 21,30,39 | 79 | 100,109,118 | |
| 20,73,115 | 117 | 137,46,88 | 19,81,89 | 38 | 57,119,127 | |
| 18,33,37 | 50 | 68,83,87 | 11,15,26 | 41 | 52,56,67 | |
| 25,42,65 | 1 | 26,43,66 | 22,90,139 | 3 | 25,93,142 | |
| 38,71,121 | 2 | 40,73,123 | 34,55,100 | 4 | 38,59,104 | |
| 57,112,135 | 5 | 62,117,140 | 54,82,141 | 7 | 61,89,4 | |
| 56,95,114 | 8 | 64,103,122 | 44,111,137 | 10 | 54,121,3 | |
| 47,80,117 | 11 | 58,91,128 | 46,109,138 | 17 | 63,126,11 | |
| 50,79,130 | 15 | 65,94,1 | 49,75,105 | 20 | 69,95,125 | |
| 4,6,9 | 33 | 37,39,42 | 5,8,13 | 73 | 78,81,86 | |
| 10,16,23 | 143 | 9,15,22 | 29,40,98 | 101 | 130,141,55 | |
| 32,74, ∞_1 | 78 | 110,8, ∞_1 | 41,122, ∞_2 | 138 | 35,116, ∞_2 | |
| 51,131, ∞_3 | 19 | 70,6, ∞_3 | 61,140, ∞_4 | 51 | 112,47, ∞_4 | |
| 66,88, ∞_5 | 69 | 135,13, ∞_5 | 69,123, ∞_6 | 37 | 106,16, ∞_6 | |
| 91,118, ∞_7 | 45 | 136,19, ∞_7 | 101,119, ∞_8 | 140 | 97,115, ∞_8 | |
| 104,110, ∞_9 | 63 | 23,29, ∞_9 | 106,127, ∞_{10} | 118 | 80,101, ∞_{10} | |
| 86,103, ∞_{11} | 86 | 28,45, ∞_{11} | 87,125, ∞_{12} | 18 | 105,143, ∞_{12} | |
| 85,107, ∞_{13} | 64 | 5,27, ∞_{13} | 77,134, ∞_{14} | 141 | 74,131, ∞_{14} | |
| 76,128, ∞_{15} | 6 | 82,134, ∞_{15} | 70,116, ∞_{16} | 127 | 53,99, ∞_{16} | |
| 68,136, ∞_{17} | 83 | 7,75, ∞_{17} | 59,113, ∞_{18} | 52 | 111,21, ∞_{18} | |

Table 10 (Cont.)

| C | | R | | A (1,2;3)-frame of type $12^{13}15^1$ | | |
|------------------------|-------|-------------------------|-------------------------|---------------------------------------|------------------------|--|
| 7, 12, 23 | | 29, 60, 97 | | | | |
| 14, 28, 36 | | 17, 25, 45 | | | | |
| 21, 41, 58 | | 44, 93, 139 | | | | |
| 48, 95, 142 | | 40, 81, 125 | | | | |
| 34, 69, 107 | | 49, 99, 149 | | | | |
| Starter | Adder | Starter+ Adder | Starter | Adder | Starter + Adder | |
| 8, 119, 149 | 151 | 3, 114, 144 | 1, 67, 126 | 109 | 110, 20, 79 | |
| 60, 92, 146 | 150 | 54, 86, 140 | 72, 97, 101 | 153 | 69, 94, 98 | |
| 20, 73, 147 | 82 | 102, 155, 73 | 40, 44, 113 | 24 | 64, 68, 137 | |
| 16, 33, 105 | 147 | 7, 24, 96 | 50, 61, 103 | 57 | 107, 118, 4 | |
| 4, 109, 153 | 18 | 22, 127, 15 | 24, 81, 152 | 60 | 84, 141, 56 | |
| 2, 83, 155 | 75 | 77, 2, 74 | 53, 98, 99 | 146 | 43, 88, 89 | |
| 22, 31, 55 | 54 | 76, 85, 109 | 18, 76, 82 | 37 | 55, 113, 119 | |
| 38, 45, 47 | 45 | 83, 90, 92 | 37, 64, 118 | 138 | 19, 46, 100 | |
| 6, 96, 139 | 74 | 80, 14, 57 | 30, 49, 125 | 73 | 103, 122, 42 | |
| 19, 51, 127 | 87 | 106, 138, 58 | 68, 70, 86 | 97 | 9, 11, 27 | |
| 3, 43, 136 | 121 | 124, 8, 101 | 42, 93, 135 | 69 | 111, 6, 48 | |
| 9, 15, 122 | 139 | 148, 154, 105 | 29, 63, 137 | 155 | 28, 62, 136 | |
| 62, 74, 131 | 72 | 134, 146, 47 | 11, 32, 66 | 1 | 12, 33, 67 | |
| 46, 116, 134 | 17 | 63, 133, 151 | 79, 114, 115 | 112 | 35, 70, 71 | |
| 5, 128, 140 | 103 | 108, 75, 87 | 10, 25, 141 | 11 | 21, 36, 152 | |
| 35, 54, 59 | 107 | 142, 5, 10 | 17, 27, 106 | 14 | 31, 41, 120 | |
| 57, 151, 154 | 137 | 38, 132, 135 | 87, 123, ∞_1 | 128 | 59, 95, ∞_1 | |
| 88, 129, ∞_2 | 59 | 147, 32, ∞_2 | 90, 150, ∞_3 | 132 | 66, 126, ∞_3 | |
| 94, 108, ∞_4 | 99 | 37, 51, ∞_4 | 100, 138, ∞_5 | 90 | 34, 72, ∞_5 | |
| 102, 124, ∞_6 | 55 | 1, 23, ∞_6 | 111, 121, ∞_7 | 10 | 121, 131, ∞_7 | |
| 75, 133, ∞_8 | 53 | 128, 30, ∞_8 | 89, 145, ∞_9 | 64 | 153, 53, ∞_9 | |
| 85, 112, ∞_{10} | 38 | 123, 150, ∞_{10} | 84, 144, ∞_{11} | 28 | 112, 16, ∞_{11} | |
| 80, 110, ∞_{12} | 35 | 115, 145, ∞_{12} | 77, 132, ∞_{13} | 140 | 61, 116, ∞_{13} | |
| 71, 148, ∞_{14} | 58 | 129, 50, ∞_{14} | 56, 120, ∞_{15} | 118 | 18, 82, ∞_{15} | |
| C | | R | | A (1,2;3)-frame of type $12^{13}18^1$ | | |
| 7, 12, 23 | | 17, 25, 45 | | | | |
| 14, 28, 36 | | 44, 93, 139 | | | | |
| 21, 41, 58 | | 40, 81, 125 | | | | |
| 48, 95, 142 | | 49, 99, 149 | | | | |
| 34, 69, 107 | | 46, 92, 141 | | | | |
| 29, 60, 97 | | 19, 38, 63 | | | | |
| Starter | Adder | Starter+ Adder | Starter | Adder | Starter + Adder | |
| 43, 151, 154 | 129 | 16, 124, 127 | 1, 125, 134 | 120 | 121, 89, 98 | |
| 35, 106, 116 | 55 | 90, 5, 15 | 42, 66, 90 | 94 | 136, 4, 28 | |
| 44, 124, 141 | 23 | 67, 147, 8 | 59, 86, 149 | 1 | 60, 87, 150 | |
| 50, 93, 122 | 4 | 54, 97, 126 | 68, 102, 108 | 3 | 71, 105, 111 | |
| 51, 54, 140 | 2 | 53, 56, 142 | 33, 88, 121 | 8 | 41, 96, 129 | |
| 2, 115, 126 | 5 | 7, 120, 131 | 62, 64, 136 | 10 | 72, 74, 146 | |
| 55, 96, 153 | 6 | 61, 102, 3 | 9, 123, 137 | 11 | 20, 134, 148 | |
| 3, 92, 128 | 9 | 12, 101, 137 | 25, 63, 67 | 12 | 37, 75, 79 | |
| 24, 105, 111 | 7 | 31, 112, 118 | 5, 6, 27 | 16 | 21, 22, 43 | |
| 4, 135, 150 | 20 | 24, 155, 14 | 22, 38, 57 | 28 | 50, 66, 85 | |
| 8, 10, 15 | 19 | 27, 29, 34 | 16, 20, 79 | 31 | 47, 51, 110 | |
| 11, 18, 114 | 24 | 35, 42, 138 | 19, 31, 40 | 17 | 36, 48, 57 | |
| 17, 32, 94 | 38 | 55, 70, 132 | 37, 49, 113 | 45 | 82, 94, 2 | |
| 30, 53, 87 | 70 | 100, 123, 1 | 47, 98, 152 | 81 | 128, 23, 77 | |
| 45, 46, 99 | 68 | 113, 114, 11 | 61, 101, 131 | 34 | 95, 135, 9 | |
| 70, 139, ∞_1 | 14 | 84, 153, ∞_1 | 72, 138, ∞_2 | 36 | 108, 18, ∞_2 | |
| 73, 146, ∞_3 | 93 | 10, 83, ∞_3 | 74, 103, ∞_4 | 41 | 115, 144, ∞_4 | |
| 76, 109, ∞_5 | 43 | 119, 152, ∞_5 | 81, 155, ∞_6 | 155 | 80, 154, ∞_6 | |
| 82, 127, ∞_7 | 138 | 64, 109, ∞_7 | 83, 119, ∞_8 | 106 | 33, 69, ∞_8 | |
| 100, 118, ∞_9 | 22 | 122, 140, ∞_9 | 129, 147, ∞_{10} | 115 | 88, 106, ∞_{10} | |
| 75, 133, ∞_{11} | 139 | 58, 116, ∞_{11} | 89, 145, ∞_{12} | 97 | 30, 86, ∞_{12} | |
| 85, 112, ∞_{13} | 147 | 76, 103, ∞_{13} | 84, 144, ∞_{14} | 145 | 73, 133, ∞_{14} | |
| 80, 110, ∞_{15} | 108 | 32, 62, ∞_{15} | 77, 132, ∞_{16} | 30 | 107, 6, ∞_{16} | |
| 71, 148, ∞_{17} | 153 | 68, 145, ∞_{17} | 56, 120, ∞_{18} | 95 | 151, 59, ∞_{18} | |

Table 10 (Cont.)

| C | | R | | A (1,2;3)-frame of type $12^{13}21^1$ | | |
|-------------------------|-------|-------------------------|-------------------------|---------------------------------------|-------------------------|--|
| Starter | Adder | Starter+ Adder | Starter | | | |
| 7, 12, 23 | | 44, 93, 139 | | | | |
| 14, 28, 36 | | 40, 81, 125 | | | | |
| 21, 41, 58 | | 49, 99, 149 | | | | |
| 48, 95, 142 | | 46, 92, 141 | | | | |
| 34, 69, 107 | | 19, 38, 63 | | | | |
| 29, 60, 97 | | 43, 86, 129 | | | | |
| 17, 25, 45 | | 10, 20, 42 | | | | |
| Starter | Adder | Starter+ Adder | Starter | Adder | Starter + Adder | |
| 46, 67, 138 | 2 | 48, 69, 140 | 40, 106, 129 | 5 | 45, 111, 134 | |
| 37, 96, 121 | 10 | 47, 106, 131 | 33, 51, 131 | 4 | 37, 55, 135 | |
| 32, 47, 64 | 3 | 35, 50, 67 | 44, 92, 147 | 15 | 59, 107, 6 | |
| 43, 115, 136 | 8 | 51, 123, 144 | 68, 125, 154 | 7 | 75, 132, 5 | |
| 49, 87, 123 | 22 | 71, 109, 145 | 72, 105, 134 | 16 | 88, 121, 150 | |
| 53, 93, 126 | 1 | 54, 94, 127 | 55, 90, 124 | 18 | 73, 108, 142 | |
| 54, 111, 135 | 25 | 79, 136, 4 | 59, 83, 128 | 30 | 89, 113, 2 | |
| 57, 99, 153 | 11 | 68, 110, 8 | 70, 101, 146 | 17 | 87, 118, 7 | |
| 62, 113, 155 | 33 | 95, 146, 32 | 66, 100, 140 | 14 | 80, 114, 154 | |
| 63, 116, 152 | 21 | 84, 137, 17 | 1, 2, 3 | 20 | 21, 22, 23 | |
| 4, 6, 9 | 24 | 28, 30, 33 | 5, 8, 15 | 19 | 24, 27, 34 | |
| 10, 16, 22 | 48 | 58, 64, 70 | 11, 18, 27 | 85 | 96, 103, 112 | |
| 19, 30, 109 | 6 | 25, 36, 115 | 20, 74, 88 | 9 | 29, 83, 97 | |
| 24, 42, 139 | 77 | 101, 119, 60 | 31, 50, ∞_1 | 121 | 152, 15, ∞_1 | |
| 35, 86, ∞_2 | 42 | 77, 128, ∞_2 | 38, 61, ∞_3 | 44 | 82, 105, ∞_3 | |
| 73, 82, ∞_4 | 51 | 124, 133, ∞_4 | 76, 151, ∞_5 | 81 | 1, 76, ∞_5 | |
| 79, 127, ∞_6 | 86 | 9, 57, ∞_6 | 81, 108, ∞_7 | 89 | 14, 41, ∞_7 | |
| 94, 98, ∞_8 | 61 | 155, 3, ∞_8 | 102, 114, ∞_9 | 144 | 90, 102, ∞_9 | |
| 103, 118, ∞_{10} | 138 | 85, 100, ∞_{10} | 119, 149, ∞_{11} | 68 | 31, 61, ∞_{11} | |
| 122, 150, ∞_{12} | 132 | 98, 126, ∞_{12} | 137, 141, ∞_{13} | 135 | 116, 120, ∞_{13} | |
| 75, 133, ∞_{14} | 76 | 151, 53, ∞_{14} | 89, 145, ∞_{15} | 83 | 16, 72, ∞_{15} | |
| 85, 112, ∞_{16} | 62 | 147, 18, ∞_{16} | 84, 144, ∞_{17} | 134 | 62, 122, ∞_{17} | |
| 80, 110, ∞_{18} | 58 | 138, 12, ∞_{18} | 77, 132, ∞_{19} | 90 | 11, 66, ∞_{19} | |
| 71, 148, ∞_{20} | 82 | 153, 74, ∞_{20} | 56, 120, ∞_{21} | 92 | 148, 56, ∞_{21} | |
| C | | R | | A (1,2;3)-frame of type $12^{14}15^1$ | | |
| Starter | Adder | Starter+ Adder | Starter | | | |
| 17, 33, 49 | | 51, 100, 155 | | | | |
| 19, 38, 57 | | 53, 103, 156 | | | | |
| 27, 52, 86 | | 31, 63, 104 | | | | |
| 41, 85, 129 | | 37, 72, 113 | | | | |
| 46, 93, 143 | | 23, 43, 66 | | | | |
| Starter | Adder | Starter+ Adder | Starter | Adder | Starter + Adder | |
| 40, 88, 123 | 107 | 147, 27, 62 | 22, 145, 152 | 32 | 54, 9, 16 | |
| 55, 72, 161 | 95 | 150, 167, 88 | 23, 69, 131 | 11 | 34, 80, 142 | |
| 2, 4, 5 | 53 | 55, 57, 58 | 3, 120, 146 | 7 | 10, 127, 153 | |
| 53, 61, 73 | 155 | 40, 48, 60 | 18, 109, 117 | 133 | 151, 74, 82 | |
| 12, 100, 113 | 81 | 93, 13, 26 | 43, 111, 138 | 26 | 69, 13, 164 | |
| 30, 144, 167 | 103 | 133, 79, 102 | 47, 80, 162 | 30 | 77, 110, 24 | |
| 54, 66, 133 | 146 | 32, 44, 111 | 20, 114, 166 | 87 | 107, 33, 85 | |
| 10, 34, 44 | 163 | 5, 29, 39 | 15, 78, 118 | 151 | 166, 61, 101 | |
| 13, 95, 104 | 65 | 78, 160, 1 | 24, 156, 163 | 148 | 4, 136, 143 | |
| 39, 60, 164 | 120 | 159, 12, 116 | 25, 132, 136 | 25 | 50, 157, 161 | |
| 48, 50, 74 | 167 | 47, 49, 73 | 31, 67, 116 | 63 | 94, 130, 11 | |
| 45, 139, 150 | 138 | 15, 109, 120 | 35, 65, 110 | 123 | 158, 20, 65 | |
| 11, 29, 68 | 141 | 152, 2, 41 | 7, 16, 124 | 125 | 132, 141, 81 | |
| 75, 105, 151 | 152 | 59, 89, 135 | 1, 101, 159 | 105 | 106, 38, 96 | |
| 9, 90, 130 | 153 | 162, 75, 115 | 32, 36, 37 | 85 | 117, 121, 122 | |
| 8, 107, 155 | 137 | 145, 76, 124 | 21, 87, 158 | 78 | 99, 165, 68 | |
| 62, 79, 134 | 124 | 18, 35, 90 | 51, 141, 147 | 57 | 108, 30, 36 | |
| 6, 108, 137 | 77 | 83, 17, 46 | 58, 64, 91 | 129 | 19, 25, 52 | |
| 63, 102, 115 | 23 | 86, 125, 138 | 76, 157, ∞_1 | 19 | 95, 8, ∞_1 | |
| 82, 97, ∞_2 | 66 | 148, 163, ∞_2 | 96, 99, ∞_3 | 75 | 3, 6, ∞_3 | |
| 106, 121, ∞_4 | 13 | 119, 134, ∞_4 | 122, 127, ∞_5 | 17 | 139, 144, ∞_5 | |
| 128, 165, ∞_6 | 131 | 91, 128, ∞_6 | 142, 160, ∞_7 | 113 | 87, 105, ∞_7 | |
| 92, 153, ∞_8 | 22 | 114, 7, ∞_8 | 89, 148, ∞_9 | 143 | 64, 123, ∞_9 | |
| 83, 94, ∞_{10} | 35 | 118, 129, ∞_{10} | 81, 103, ∞_{11} | 132 | 45, 67, ∞_{11} | |
| 77, 135, ∞_{12} | 54 | 131, 21, ∞_{12} | 71, 125, ∞_{13} | 21 | 92, 146, ∞_{13} | |
| 59, 149, ∞_{14} | 90 | 149, 71, ∞_{14} | 26, 119, ∞_{15} | 71 | 97, 22, ∞_{15} | |

Table 10 (Cont.)

| C | | R | | A (1,2;3)-frame of type $12^{14}18^1$ | | |
|------------------------|-------|-------------------------|-------------------------|---------------------------------------|-------------------------|--|
| Starter | Adder | Starter+ Adder | Starter | | | |
| 17,33,49 | | 53,103,156 | | | | |
| 19,38,57 | | 31,63,104 | | | | |
| 27,52,86 | | 37,72,113 | | | | |
| 41,85,129 | | 23,43,66 | | | | |
| 46,93,143 | | 8,15,25 | | | | |
| 51,100,155 | | 48,94,149 | | | | |
| Starter | Adder | Starter+ Adder | Starter | Adder | Starter + Adder | |
| 50, 111, 113 | 68 | 118, 11, 13 | 45, 53, 90 | 16 | 61, 69, 106 | |
| 3, 75, 118 | 41 | 44, 116, 159 | 20, 78, 158 | 69 | 89, 147, 59 | |
| 62, 68, 114 | 18 | 80, 86, 132 | 30, 109, 160 | 37 | 67, 146, 29 | |
| 39, 65, 101 | 32 | 71, 97, 133 | 4, 124, 136 | 89 | 93, 45, 57 | |
| 7, 47, 152 | 11 | 18, 58, 163 | 12, 120, 128 | 24 | 36, 144, 152 | |
| 13, 34, 102 | 104 | 117, 138, 38 | 24, 48, 117 | 72 | 96, 120, 21 | |
| 32, 37, 58 | 97 | 129, 134, 155 | 6, 91, 167 | 33 | 39, 124, 32 | |
| 23, 36, 63 | 52 | 75, 88, 115 | 31, 116, 134 | 51 | 82, 167, 17 | |
| 21, 22, 122 | 86 | 107, 108, 40 | 16, 29, 166 | 107 | 123, 136, 105 | |
| 1, 87, 132 | 100 | 101, 19, 64 | 10, 121, 145 | 73 | 83, 26, 50 | |
| 8, 9, 142 | 1 | 9, 10, 143 | 2, 5, 76 | 2 | 4, 7, 78 | |
| 18, 95, 161 | 4 | 22, 99, 165 | 11, 106, 157 | 5 | 16, 111, 162 | |
| 43, 73, 147 | 3 | 46, 76, 150 | 15, 25, 144 | 9 | 24, 34, 153 | |
| 54, 69, 150 | 8 | 62, 77, 158 | 40, 88, 97 | 12 | 52, 100, 109 | |
| 67, 79, 96 | 6 | 73, 85, 102 | 61, 115, 130 | 7 | 68, 122, 137 | |
| 44, 55, 64 | 66 | 110, 121, 130 | 35, 137, 141 | 20 | 55, 157, 161 | |
| 66, 72, 99 | 143 | 41, 47, 74 | 60, 146, 151 | 82 | 142, 60, 65 | |
| 74, 164, ∞_1 | 53 | 127, 49, ∞_1 | 80, 127, ∞_2 | 39 | 119, 166, ∞_2 | |
| 82, 163, ∞_3 | 165 | 79, 160, ∞_3 | 104, 108, ∞_4 | 155 | 91, 95, ∞_4 | |
| 105, 165, ∞_5 | 23 | 128, 20, ∞_5 | 107, 138, ∞_6 | 63 | 2, 33, ∞_6 | |
| 110, 139, ∞_7 | 64 | 6, 35, ∞_7 | 123, 162, ∞_8 | 137 | 92, 131, ∞_8 | |
| 131, 133, ∞_9 | 38 | 1, 3, ∞_9 | 156, 159, ∞_{10} | 157 | 145, 148, ∞_{10} | |
| 92, 153, ∞_{11} | 166 | 90, 151, ∞_{11} | 89, 148, ∞_{12} | 50 | 139, 30, ∞_{12} | |
| 83, 94, ∞_{13} | 31 | 114, 125, ∞_{13} | 81, 103, ∞_{14} | 92 | 5, 27, ∞_{14} | |
| 77, 135, ∞_{15} | 87 | 164, 54, ∞_{15} | 71, 125, ∞_{16} | 10 | 81, 135, ∞_{16} | |
| 59, 149, ∞_{17} | 160 | 51, 141, ∞_{17} | 26, 119, ∞_{18} | 61 | 87, 12, ∞_{18} | |
| Starter | Adder | Starter+ Adder | Starter | Adder | Starter + Adder | |
| 53, 115, 125 | 46 | 99, 161, 171 | 61, 87, 171 | 125 | 6, 32, 116 | |
| 27, 65, 129 | 14 | 41, 79, 143 | 31, 42, 133 | 154 | 5, 16, 107 | |
| 63, 89, 151 | 93 | 156, 2, 64 | 62, 108, 118 | 153 | 35, 81, 91 | |
| 41, 74, 158 | 164 | 25, 58, 142 | 4, 23, 43 | 78 | 82, 101, 121 | |
| 49, 110, 178 | 22 | 71, 132, 20 | 50, 85, 92 | 87 | 137, 172, 179 | |
| 25, 29, 36 | 86 | 111, 115, 122 | 5, 70, 104 | 103 | 108, 173, 27 | |
| 2, 67, 96 | 123 | 125, 10, 39 | 56, 138, 147 | 37 | 93, 175, 4 | |
| 3, 128, 130 | 18 | 21, 146, 148 | 1, 148, 175 | 173 | 174, 141, 168 | |
| 28, 80, 126 | 38 | 66, 118, 164 | 19, 112, 170 | 79 | 98, 11, 69 | |
| 21, 39, 176 | 108 | 129, 147, 104 | 51, 69, 143 | 27 | 78, 96, 170 | |
| 54, 66, 71 | 1 | 55, 67, 72 | 6, 10, 149 | 2 | 8, 12, 151 | |
| 48, 102, 124 | 4 | 52, 106, 128 | 14, 153, 154 | 5 | 19, 158, 159 | |
| 44, 111, 123 | 3 | 47, 114, 126 | 32, 34, 55 | 6 | 38, 40, 61 | |
| 26, 35, 162 | 7 | 33, 42, 169 | 13, 52, 113 | 10 | 23, 62, 123 | |
| 68, 84, 179 | 8 | 76, 92, 7 | 46, 139, 163 | 13 | 59, 152, 176 | |
| 58, 101, 169 | 12 | 70, 113, 1 | 37, 93, 141 | 26 | 63, 119, 167 | |
| 11, 134, 142 | 11 | 22, 145, 153 | 8, 78, 122 | 16 | 24, 94, 138 | |
| 18, 24, 121 | 56 | 74, 80, 177 | 17, 140, 161 | 17 | 34, 157, 178 | |
| 76, 79, 127 | 33 | 109, 112, 160 | 73, 86, 167 | 63 | 136, 149, 50 | |
| 88, 160, ∞_1 | 175 | 83, 155, ∞_1 | 91, 174, ∞_2 | 146 | 57, 140, ∞_2 | |
| 100, 136, ∞_3 | 98 | 18, 54, ∞_3 | 103, 157, ∞_4 | 126 | 49, 103, ∞_4 | |
| 116, 144, ∞_5 | 73 | 9, 37, ∞_5 | 131, 173, ∞_6 | 137 | 88, 130, ∞_6 | |
| 132, 159, ∞_7 | 145 | 97, 124, ∞_7 | 145, 146, ∞_8 | 168 | 133, 134, ∞_8 | |
| 106, 156, ∞_9 | 151 | 77, 127, ∞_9 | 114, 137, ∞_{10} | 25 | 139, 162, ∞_{10} | |
| 83, 107, ∞_{11} | 162 | 65, 89, ∞_{11} | 95, 166, ∞_{12} | 99 | 14, 85, ∞_{12} | |
| 98, 164, ∞_{13} | 111 | 29, 95, ∞_{13} | 99, 172, ∞_{14} | 94 | 13, 86, ∞_{14} | |
| 94, 97, ∞_{15} | 69 | 163, 166, ∞_{15} | 72, 152, ∞_{16} | 72 | 144, 44, ∞_{16} | |
| 81, 155, ∞_{17} | 142 | 43, 117, ∞_{17} | 9, 82, ∞_{18} | 101 | 110, 3, ∞_{18} | |
| Starter | Adder | Starter+ Adder | Starter | Adder | Starter + Adder | |
| 7, 12, 20 | | 46, 84, 131 | | | | |
| 16, 33, 47 | | 53, 102, 154 | | | | |
| 22, 38, 57 | | 28, 56, 87 | | | | |
| 59, 109, 168 | | 17, 31, 51 | | | | |
| 64, 119, 177 | | 36, 68, 100 | | | | |
| 40, 77, 117 | | 26, 48, 73 | | | | |
| Starter | Adder | Starter+ Adder | Starter | Adder | Starter + Adder | |
| 7, 12, 20 | | 46, 84, 131 | | | | |
| 16, 33, 47 | | 53, 102, 154 | | | | |
| 22, 38, 57 | | 28, 56, 87 | | | | |
| 59, 109, 168 | | 17, 31, 51 | | | | |
| 64, 119, 177 | | 36, 68, 100 | | | | |
| 40, 77, 117 | | 26, 48, 73 | | | | |

Table 10 (Cont.)

| C | | R | | A (1,2;3)-frame of type 12 ¹⁵ 21 ¹ | | |
|---------------------------|-------|---------------------------|---------------------------|--|---------------------------|--|
| 7, 12, 20 | | 53, 102, 154 | | | | |
| 16, 33, 47 | | 28, 56, 87 | | | | |
| 22, 38, 57 | | 17, 31, 51 | | | | |
| 59, 109, 168 | | 36, 68, 100 | | | | |
| 64, 119, 177 | | 26, 48, 73 | | | | |
| 40, 77, 117 | | 19, 35, 54 | | | | |
| 46, 84, 131 | | 50, 96, 142 | | | | |
| Starter | Adder | Starter+ Adder | Starter | Adder | Starter + Adder | |
| 8, 14, 127 | 4 | 12, 18, 131 | 37, 65, 161 | 6 | 43, 71, 167 | |
| 56, 58, 67 | 48 | 104, 106, 115 | 36, 139, 159 | 1 | 37, 140, 160 | |
| 55, 123, 136 | 2 | 57, 125, 138 | 10, 148, 173 | 143 | 153, 111, 136 | |
| 11, 19, 29 | 5 | 16, 24, 34 | 21, 158, 162 | 8 | 29, 166, 170 | |
| 34, 35, 87 | 12 | 46, 47, 99 | 6, 32, 149 | 7 | 13, 39, 156 | |
| 24, 31, 141 | 148 | 172, 179, 109 | 25, 27, 48 | 17 | 42, 44, 65 | |
| 28, 39, 61 | 13 | 41, 52, 74 | 17, 129, 132 | 16 | 33, 145, 148 | |
| 18, 23, 116 | 46 | 64, 69, 162 | 44, 86, 140 | 42 | 86, 128, 2 | |
| 49, 85, 146 | 106 | 155, 11, 72 | 42, 68, 134 | 39 | 81, 107, 173 | |
| 52, 122, 163 | 11 | 63, 133, 174 | 1, 142, 171 | 76 | 77, 38, 67 | |
| 2, 74, 118 | 87 | 89, 161, 25 | 13, 113, 169 | 99 | 112, 32, 88 | |
| 53, 71, 157 | 116 | 169, 7, 93 | 3, 92, 154 | 24 | 27, 116, 178 | |
| 41, 110, 143 | 41 | 82, 151, 4 | 80, 89, 175 | 54 | 134, 143, 49 | |
| 50, 93, 147 | 29 | 79, 122, 176 | 51, 91, 178 | 68 | 119, 159, 66 | |
| 70, 125, 176 | 14 | 84, 139, 10 | 73, 79, 100 | 18 | 91, 97, 118 | |
| 43, 101, 145 | 40 | 83, 141, 5 | 26, 130, 179 | 145 | 171, 95, 144 | |
| 5, 62, 151 | 158 | 163, 40, 129 | 4, 69, 76 | 88 | 92, 157, 164 | |
| 54, 102, 153 | 22 | 76, 124, 175 | 63, 104, ∞ ₁ | 138 | 21, 62, ∞ ₁ | |
| 66, 167, ∞ ₂ | 111 | 177, 98, ∞ ₂ | 78, 160, ∞ ₃ | 23 | 101, 3, ∞ ₃ | |
| 88, 126, ∞ ₄ | 26 | 114, 152, ∞ ₄ | 96, 144, ∞ ₅ | 162 | 78, 126, ∞ ₅ | |
| 103, 115, ∞ ₆ | 34 | 137, 149, ∞ ₆ | 108, 170, ∞ ₇ | 157 | 85, 147, ∞ ₇ | |
| 111, 112, ∞ ₈ | 91 | 22, 23, ∞ ₈ | 121, 133, ∞ ₉ | 117 | 58, 70, ∞ ₉ | |
| 124, 128, ∞ ₁₀ | 169 | 113, 117, ∞ ₁₀ | 138, 174, ∞ ₁₁ | 152 | 110, 146, ∞ ₁₁ | |
| 106, 156, ∞ ₁₂ | 154 | 80, 130, ∞ ₁₂ | 114, 137, ∞ ₁₃ | 44 | 158, 1, ∞ ₁₃ | |
| 83, 107, ∞ ₁₄ | 20 | 103, 127, ∞ ₁₄ | 95, 166, ∞ ₁₅ | 28 | 123, 14, ∞ ₁₅ | |
| 98, 164, ∞ ₁₆ | 137 | 55, 121, ∞ ₁₆ | 99, 172, ∞ ₁₇ | 69 | 168, 61, ∞ ₁₇ | |
| 94, 97, ∞ ₁₈ | 92 | 6, 9, ∞ ₁₈ | 72, 152, ∞ ₁₉ | 36 | 108, 8, ∞ ₁₉ | |
| 81, 155, ∞ ₂₀ | 119 | 20, 94, ∞ ₂₀ | 9, 82, ∞ ₂₁ | 50 | 59, 132, ∞ ₂₁ | |
| C | | R | | A (1,2;3)-frame of type 12 ¹⁷ 18 ¹ | | |
| 18, 37, 56 | | 64, 131, 195 | | | | |
| 27, 52, 80 | | 55, 104, 159 | | | | |
| 35, 70, 108 | | 38, 78, 118 | | | | |
| 45, 86, 127 | | 23, 43, 66 | | | | |
| 53, 106, 162 | | 10, 21, 32 | | | | |
| 59, 120, 184 | | 49, 99, 143 | | | | |
| Starter | Adder | Starter+ Adder | Starter | Adder | Starter + Adder | |
| 78, 111, 177 | 174 | 48, 81, 147 | 42, 129, 158 | 52 | 94, 181, 6 | |
| 41, 62, 88 | 109 | 150, 171, 197 | 71, 100, 130 | 149 | 16, 45, 75 | |
| 13, 20, 26 | 37 | 50, 57, 63 | 44, 125, 152 | 67 | 111, 192, 15 | |
| 55, 116, 147 | 144 | 199, 56, 87 | 49, 112, 178 | 184 | 29, 92, 158 | |
| 93, 151, 199 | 89 | 182, 36, 84 | 46, 115, 167 | 76 | 122, 191, 39 | |
| 69, 140, 185 | 181 | 46, 117, 162 | 95, 155, 201 | 131 | 22, 82, 128 | |
| 73, 118, 193 | 42 | 115, 160, 31 | 48, 104, 174 | 126 | 174, 26, 96 | |
| 76, 150, 180 | 33 | 109, 183, 9 | 77, 124, 191 | 121 | 198, 41, 108 | |
| 92, 146, 203 | 179 | 67, 121, 178 | 83, 135, 197 | 145 | 24, 76, 138 | |
| 89, 166, 182 | 195 | 80, 157, 173 | 90, 122, 164 | 47 | 137, 169, 7 | |
| 66, 145, 169 | 79 | 145, 20, 44 | 7, 11, 16 | 196 | 203, 3, 8 | |
| 33, 110, 138 | 108 | 141, 14, 42 | 1, 2, 3 | 162 | 163, 164, 165 | |
| 74, 139, 198 | 190 | 60, 125, 184 | 19, 25, 175 | 169 | 188, 194, 140 | |
| 72, 144, 190 | 186 | 54, 126, 172 | 67, 117, 179 | 38 | 105, 155, 13 | |
| 97, 134, 173 | 165 | 58, 95, 134 | 58, 91, 161 | 132 | 190, 19, 89 | |
| 65, 101, 188 | 28 | 93, 129, 12 | 82, 154, 189 | 183 | 61, 133, 168 | |
| 21, 31, 43 | 16 | 37, 47, 59 | 10, 128, 149 | 141 | 151, 65, 86 | |
| 23, 107, 196 | 60 | 83, 167, 52 | 14, 22, 30 | 163 | 177, 185, 193 | |
| 15, 28, 38 | 75 | 90, 103, 113 | 96, 133, 172 | 106 | 202, 35, 74 | |
| 4, 6, 9 | 21 | 25, 27, 30 | 5, 8, 12 | 134 | 139, 142, 146 | |
| 24, 36, 50 | 172 | 196, 4, 18 | 29, 47, 61 | 69 | 98, 116, 130 | |
| 32, 57, 75 | 91 | 123, 148, 166 | 40, 60, 131 | 146 | 186, 2, 73 | |
| 63, 99, 141 | 8 | 71, 107, 149 | 79, 137, 186 | 194 | 69, 127, 176 | |
| 39, 121, ∞ ₁ | 14 | 53, 135, ∞ ₁ | 54, 143, ∞ ₂ | 161 | 11, 100, ∞ ₂ | |
| 64, 159, ∞ ₃ | 46 | 110, 1, ∞ ₃ | 81, 105, ∞ ₄ | 39 | 120, 144, ∞ ₄ | |
| 84, 194, ∞ ₅ | 199 | 79, 189, ∞ ₅ | 87, 183, ∞ ₆ | 93 | 180, 72, ∞ ₆ | |
| 94, 157, ∞ ₇ | 18 | 112, 175, ∞ ₇ | 98, 181, ∞ ₈ | 63 | 161, 40, ∞ ₈ | |
| 103, 160, ∞ ₉ | 198 | 97, 154, ∞ ₉ | 109, 200, ∞ ₁₀ | 128 | 33, 124, ∞ ₁₀ | |
| 113, 168, ∞ ₁₁ | 192 | 101, 156, ∞ ₁₁ | 114, 123, ∞ ₁₂ | 86 | 200, 5, ∞ ₁₂ | |
| 126, 195, ∞ ₁₃ | 6 | 132, 201, ∞ ₁₃ | 132, 176, ∞ ₁₄ | 142 | 70, 114, ∞ ₁₄ | |
| 142, 202, ∞ ₁₅ | 90 | 28, 88, ∞ ₁₅ | 148, 163, ∞ ₁₆ | 118 | 62, 77, ∞ ₁₆ | |
| 156, 171, ∞ ₁₇ | 139 | 91, 106, ∞ ₁₇ | 165, 192, ∞ ₁₈ | 191 | 152, 179, ∞ ₁₈ | |

Table 10 (Cont.)

| C | | R | | A (1,2;3)-frame of type $12^{18}18^1$ | |
|------------------------|-------|------------------------|------------------------|---------------------------------------|------------------------|
| Starter | Adder | Starter+ Adder | Starter | | |
| 17,33,49 | | 71,138,205 | | | |
| 28,60,86 | | 64,123,182 | | | |
| 41,78,118 | | 34,63,98 | | | |
| 50,96,142 | | 23,43,66 | | | |
| 58,114,170 | | 10,21,32 | | | |
| 67,128,189 | | 53,105,157 | | | |
| Starter | Adder | Starter+ Adder | Starter | Adder | Starter + Adder |
| 95,132,202 | 163 | 42,79,149 | 30,45,64 | 110 | 140,155,174 |
| 10,19,25 | 204 | 214,7,13 | 27,39,112 | 41 | 68,80,153 |
| 62,105,194 | 31 | 93,136,9 | 43,73,130 | 121 | 164,194,35 |
| 47,122,153 | 82 | 129,204,19 | 42,157,178 | 58 | 100,215,20 |
| 14,20,119 | 181 | 195,201,84 | 40,117,203 | 172 | 212,73,159 |
| 85,147,195 | 43 | 128,190,22 | 7,11,16 | 195 | 202,206,211 |
| 15,23,37 | 1 | 16,24,38 | 5,8,12 | 112 | 117,120,124 |
| 79,129,211 | 139 | 2,52,134 | 55,136,174 | 210 | 49,130,168 |
| 29,167,196 | 155 | 184,106,135 | 2,4,124 | 143 | 145,147,51 |
| 32,51,76 | 9 | 41,60,85 | 88,121,191 | 22 | 110,143,213 |
| 74,165,192 | 38 | 112,203,14 | 87,140,206 | 207 | 78,131,197 |
| 21,31,44 | 212 | 17,27,40 | 97,148,199 | 73 | 170,5,56 |
| 66,141,175 | 17 | 83,158,192 | 103,166,208 | 183 | 70,133,175 |
| 99,146,201 | 62 | 161,208,47 | 101,143,182 | 84 | 185,11,50 |
| 68,163,204 | 98 | 166,45,86 | 92,155,215 | 170 | 46,109,169 |
| 104,134,207 | 186 | 74,104,177 | 35,61,82 | 81 | 116,142,163 |
| 84,115,200 | 176 | 44,75,160 | 102,152,197 | 151 | 37,87,132 |
| 77,145,193 | 119 | 196,48,96 | 81,150,210 | 128 | 209,62,122 |
| 52,109,185 | 6 | 58,115,191 | 75,120,164 | 153 | 12,57,101 |
| 71,139,188 | 214 | 69,137,186 | 98,137,177 | 146 | 28,67,107 |
| 94,159,214 | 152 | 30,95,150 | 80,151,213 | 142 | 6,77,139 |
| 53,131,205 | 114 | 167,29,103 | 24,38,48 | 193 | 1,15,25 |
| 59,125,160 | 23 | 82,148,183 | 1,3,6 | 175 | 176,178,181 |
| 13,26,46 | 68 | 81,94,114 | 69,138,209 | 104 | 173,26,97 |
| 57,149,187 | 2 | 59,151,189 | 89,154,212 | 203 | 76,141,199 |
| 9,184, ∞_1 | 93 | 102,61, ∞_1 | 22,110, ∞_2 | 69 | 91,179, ∞_2 |
| 34,176, ∞_3 | 79 | 113,39, ∞_3 | 56,181, ∞_4 | 100 | 156,65, ∞_4 |
| 63,91, ∞_5 | 55 | 118,146, ∞_5 | 65,93, ∞_6 | 34 | 99,127, ∞_6 |
| 70,158, ∞_7 | 150 | 4,92, ∞_7 | 83,107, ∞_8 | 164 | 31,55, ∞_8 |
| 100,179, ∞_9 | 21 | 121,200, ∞_9 | 106,113, ∞_{10} | 59 | 165,172, ∞_{10} |
| 111,123, ∞_{11} | 96 | 207,3, ∞_{11} | 116,133, ∞_{12} | 77 | 193,210, ∞_{12} |
| 127,135, ∞_{13} | 200 | 111,119, ∞_{13} | 156,183, ∞_{14} | 185 | 125,152, ∞_{14} |
| 161,186, ∞_{15} | 63 | 8,33, ∞_{15} | 168,169, ∞_{16} | 19 | 187,188, ∞_{16} |
| 171,172, ∞_{17} | 133 | 88,89, ∞_{17} | 173,190, ∞_{18} | 197 | 154,171, ∞_{18} |
| C | | R | | A (1,2;3)-frame of type $12^{19}18^1$ | |
| Starter | Adder | Starter+ Adder | Starter | | |
| 18,35,55 | | 66,130,200 | | | |
| 72,143,217 | | 40,77,117 | | | |
| 59,118,174 | | 52,104,162 | | | |
| 48,100,158 | | 28,54,83 | | | |
| 34,68,102 | | 62,126,193 | | | |
| 26,51,79 | | 43,87,134 | | | |
| Starter | Adder | Starter+ Adder | Starter | Adder | Starter + Adder |
| 74,122,193 | 93 | 167,215,58 | 29,120,165 | 219 | 20,111,156 |
| 103,138,181 | 56 | 159,194,9 | 111,150,186 | 105 | 216,27,63 |
| 106,147,187 | 181 | 59,100,140 | 99,162,224 | 136 | 7,70,132 |
| 24,37,125 | 212 | 8,21,109 | 28,40,54 | 103 | 131,143,157 |
| 5,8,204 | 184 | 189,192,160 | 39,137,159 | 68 | 107,205,227 |
| 45,131,218 | 185 | 2,88,175 | 9,101,113 | 161 | 170,34,46 |
| 107,153,197 | 116 | 223,41,85 | 90,123,219 | 89 | 179,212,80 |
| 70,144,216 | 22 | 92,166,10 | 52,97,132 | 122 | 174,219,26 |
| 89,155,205 | 210 | 71,137,187 | 94,148,213 | 7 | 101,155,220 |
| 4,6,10 | 197 | 201,203,207 | 32,47,63 | 58 | 90,105,121 |
| 81,142,220 | 102 | 183,16,94 | 43,61,84 | 41 | 84,102,125 |
| 86,134,183 | 173 | 31,79,128 | 69,96,192 | 81 | 150,177,45 |
| 33,53,75 | 11 | 44,64,86 | 110,146,189 | 135 | 17,53,96 |
| 15,25,36 | 129 | 144,154,165 | 98,160,226 | 26 | 124,186,24 |
| 82,112,175 | 131 | 213,15,78 | 66,173,212 | 115 | 181,60,99 |
| 78,129,206 | 104 | 182,5,82 | 104,157,225 | 6 | 110,163,3 |
| 56,140,167 | 86 | 142,226,25 | 50,130,195 | 179 | 1,81,146 |
| 87,172,222 | 112 | 199,56,106 | 108,177,223 | 40 | 148,217,35 |
| 92,161,221 | 158 | 22,91,151 | 20,30,41 | 78 | 98,108,119 |
| 11,17,215 | 25 | 36,42,12 | 88,178,210 | 153 | 13,103,135 |
| 58,117,184 | 166 | 224,55,122 | 91,151,207 | 170 | 33,93,149 |
| 93,166,227 | 30 | 123,196,29 | 42,65,169 | 96 | 138,161,37 |
| 62,149,182 | 85 | 147,6,39 | 71,141,214 | 44 | 115,185,30 |
| 13,21,119 | 132 | 145,153,23 | 105,154,208 | 192 | 69,118,172 |
| 67,85,109 | 113 | 180,198,222 | 1,2,3 | 72 | 73,74,75 |
| 46,135,163 | 43 | 89,178,206 | 7,12,16 | 157 | 164,169,173 |
| 77,156,203 | 201 | 50,129,176 | 64,136,211 | 3 | 67,139,214 |
| 14,23, ∞_1 | 174 | 188,197, ∞_1 | 22,73, ∞_2 | 220 | 14,65, ∞_2 |
| 27,44, ∞_3 | 24 | 51,68, ∞_3 | 31,115, ∞_4 | 1 | 32,116, ∞_4 |
| 49,80, ∞_5 | 159 | 208,11, ∞_5 | 60,200, ∞_6 | 186 | 18,158, ∞_6 |
| 83,188, ∞_7 | 14 | 97,202, ∞_7 | 116,202, ∞_8 | 75 | 191,49, ∞_8 |
| 121,128, ∞_9 | 83 | 204,211, ∞_9 | 124,127, ∞_{10} | 94 | 218,221, ∞_{10} |
| 126,139, ∞_{11} | 150 | 48,61, ∞_{11} | 145,170, ∞_{12} | 130 | 47,72, ∞_{12} |
| 164,180, ∞_{13} | 4 | 168,184, ∞_{13} | 168,176, ∞_{14} | 172 | 112,120, ∞_{14} |
| 179,194, ∞_{15} | 16 | 195,210, ∞_{15} | 185,199, ∞_{16} | 156 | 113,127, ∞_{16} |
| 191,198, ∞_{17} | 34 | 225,4, ∞_{17} | 196,201, ∞_{18} | 168 | 136,141, ∞_{18} |

Table 10 (Cont.)

| C | | R | | A (1,2;3)-frame of type $12^{20}18^1$ | | |
|-------------------------|-------|-------------------------|-------------------------|---------------------------------------|-------------------------|--|
| Starter | Adder | Starter+ Adder | Starter | | | |
| 16,30,44 | | 45,86,133 | | | | |
| 77,154,231 | | 74,144,223 | | | | |
| 69,134,208 | | 34,68,102 | | | | |
| 58,122,186 | | 19,36,62 | | | | |
| 53,105,157 | | 50,103,153 | | | | |
| 26,49,75 | | 28,56,87 | | | | |
| Starter | Adder | Starter+ Adder | Starter | Adder | Starter + Adder | |
| 64, 185, 221 | 114 | 178, 59, 95 | 46, 133, 187 | 189 | 235, 82, 136 | |
| 107, 169, 225 | 119 | 226, 48, 104 | 35, 73, 183 | 208 | 3, 41, 151 | |
| 65, 136, 211 | 54 | 119, 190, 25 | 67, 195, 222 | 108 | 175, 63, 90 | |
| 61, 163, 188 | 202 | 23, 125, 150 | 74, 123, 213 | 81 | 155, 204, 54 | |
| 57, 125, 162 | 159 | 216, 44, 81 | 89, 177, 235 | 56 | 145, 233, 51 | |
| 27, 39, 51 | 228 | 15, 27, 39 | 19, 170, 181 | 153 | 172, 83, 94 | |
| 103, 173, 234 | 236 | 99, 169, 230 | 114, 159, 205 | 48 | 162, 207, 13 | |
| 68, 141, 224 | 95 | 163, 236, 79 | 12, 22, 31 | 125 | 137, 147, 156 | |
| 95, 174, 237 | 29 | 124, 203, 26 | 52, 81, 110 | 17 | 69, 98, 127 | |
| 109, 152, 191 | 65 | 174, 217, 16 | 101, 143, 218 | 163 | 24, 66, 141 | |
| 90, 146, 209 | 225 | 75, 131, 194 | 50, 83, 164 | 168 | 218, 11, 92 | |
| 106, 167, 236 | 169 | 35, 96, 165 | 116, 155, 190 | 79 | 195, 234, 29 | |
| 4, 6, 9 | 238 | 2, 4, 7 | 98, 165, 232 | 72 | 170, 237, 64 | |
| 11, 201, 207 | 221 | 232, 182, 188 | 111, 166, 219 | 206 | 77, 132, 185 | |
| 85, 182, 230 | 57 | 142, 239, 47 | 113, 158, 227 | 70 | 183, 228, 57 | |
| 71, 126, 215 | 179 | 10, 65, 154 | 70, 151, 193 | 78 | 148, 229, 31 | |
| 33, 48, 63 | 113 | 146, 161, 176 | 25, 43, 62 | 64 | 89, 107, 126 | |
| 66, 175, 216 | 136 | 202, 71, 112 | 102, 168, 239 | 211 | 73, 139, 210 | |
| 91, 148, 202 | 227 | 78, 135, 189 | 76, 178, 203 | 146 | 222, 84, 109 | |
| 1, 2, 3 | 210 | 211, 212, 213 | 87, 138, 223 | 134 | 221, 32, 117 | |
| 115, 161, 233 | 222 | 97, 143, 215 | 5, 29, 37 | 86 | 91, 115, 123 | |
| 7, 10, 23 | 186 | 193, 196, 209 | 84, 131, 179 | 27 | 111, 158, 206 | |
| 38, 144, 171 | 8 | 46, 152, 179 | 45, 127, 189 | 156 | 201, 43, 105 | |
| 86, 137, 210 | 44 | 130, 181, 14 | 34, 56, 78 | 214 | 8, 30, 52 | |
| 47, 79, 112 | 112 | 159, 191, 224 | 88, 145, 217 | 28 | 116, 173, 5 | |
| 96, 172, 238 | 123 | 219, 55, 121 | 104, 142, 228 | 45 | 149, 187, 33 | |
| 18, 28, 36 | 213 | 231, 1, 9 | 24, 55, 139 | 143 | 167, 198, 42 | |
| 94, 153, 229 | 216 | 70, 129, 205 | 93, 129, 226 | 35 | 128, 164, 21 | |
| 42, 72, 150 | 96 | 138, 168, 6 | 8, 13, 17 | 59 | 67, 72, 76 | |
| 14, 21, ∞_1 | 87 | 101, 108, ∞_1 | 15, 156, ∞_2 | 43 | 58, 199, ∞_2 | |
| 32, 147, ∞_3 | 154 | 186, 61, ∞_3 | 41, 54, ∞_4 | 173 | 214, 227, ∞_4 | |
| 59, 82, ∞_5 | 75 | 134, 157, ∞_5 | 92, 184, ∞_6 | 105 | 197, 49, ∞_6 | |
| 97, 132, ∞_7 | 196 | 53, 88, ∞_7 | 99, 192, ∞_8 | 158 | 17, 110, ∞_8 | |
| 108, 119, ∞_9 | 58 | 166, 177, ∞_9 | 117, 204, ∞_{10} | 121 | 238, 85, ∞_{10} | |
| 118, 135, ∞_{11} | 90 | 208, 225, ∞_{11} | 121, 214, ∞_{12} | 63 | 184, 37, ∞_{12} | |
| 124, 130, ∞_{13} | 128 | 12, 18, ∞_{13} | 128, 149, ∞_{14} | 205 | 93, 114, ∞_{14} | |
| 176, 197, ∞_{15} | 235 | 171, 192, ∞_{15} | 194, 198, ∞_{16} | 164 | 118, 122, ∞_{16} | |
| 196, 212, ∞_{17} | 66 | 22, 38, ∞_{17} | 199, 206, ∞_{18} | 147 | 106, 113, ∞_{18} | |