

| Forest                             | Design Generators   | Forest                             | Design Generators  |
|------------------------------------|---|------------------------------------|--|
| $T_7^1 \sqcup T_2^1$               | $(0, 1, 2, 4, 6, 9, 12) \sqcup (13, 14)$<br>$(3, 4, 7, 9, 10, 13, 15) \sqcup (8, 5)$<br>$(8, 11, 12, 10, 7, 5, 6) \sqcup (1, 3)$<br>$(0, 4, 9, 15, 8, 16, 7) \sqcup (1, 11)$  | $T_7^3 \sqcup T_2^1$               | $(12, 9, 6, 4, 2, 1, 7) \sqcup (14, 15)$<br>$(15, 13, 10, 9, 7, 4, 11) \sqcup (8, 5)$<br>$(8, 11, 12, 10, 7, 5, 13) \sqcup (1, 3)$<br>$(16, 8, 15, 9, 4, 0, 6) \sqcup (1, 11)$   |
| $T_7^2 \sqcup T_2^1$               | $(0, 1, 2, 4, 6, 9, 3) \sqcup (16, 19)$<br>$(15, 13, 10, 9, 7, 4, 14) \sqcup (17, 18)$<br>$(6, 5, 7, 10, 12, 11, 8) \sqcup (18, 15)$<br>$(7, 16, 8, 15, 9, 4, 12) \sqcup (1, 11)$   | $T_7^4 \sqcup T_2^1$               | $(8, 6, 4, 2, 1, 9, 7) \sqcup (14, 15)$<br>$(8, 10, 9, 7, 4, 11, 13) \sqcup (12, 15)$<br>$(9, 12, 10, 7, 5, 11, 13) \sqcup (1, 4)$<br>$(7, 15, 9, 4, 0, 8, 6) \sqcup (1, 11)$  |
| $T_7^5 \sqcup T_2^1$               | $(2, 4, 6, 9, 12, 8, 7) \sqcup (11, 14)$<br>$(0, 2, 3, 6, 5, 1, 4) \sqcup (8, 7)$<br>$(0, 3, 5, 4, 1, 8, 7) \sqcup (16, 15)$<br>$(4, 9, 15, 8, 12, 6, 7) \sqcup (1, 11)$  | $T_7^8 \sqcup T_2^1$               | $(1, 2, 4, 6, 8, 5, 9) \sqcup (12, 15)$<br>$(4, 7, 9, 10, 11, 8, 13) \sqcup (1, 3)$<br>$(5, 7, 10, 12, 11, 6, 13) \sqcup (1, 4)$<br>$(0, 4, 9, 15, 8, 12, 6) \sqcup (1, 11)$   |
| $T_7^9 \sqcup T_2^1$               | $(8, 6, 4, 2, 5, 9, 7) \sqcup (12, 14)$<br>$(1, 3, 2, 0, 5, 4, 6) \sqcup (10, 12)$<br>$(9, 8, 7, 10, 4, 11, 5) \sqcup (12, 13)$<br>$(7, 15, 9, 4, 13, 8, 6) \sqcup (1, 11)$   | $T_7^{10} \sqcup T_2^1$            | $(7, 6, 4, 2, 8, 9, 5) \sqcup (12, 14)$<br>$(2, 3, 4, 7, 0, 5, 6) \sqcup (9, 12)$<br>$(7, 8, 5, 4, 9, 10, 11) \sqcup (0, 2)$<br>$(6, 15, 9, 4, 8, 11, 7) \sqcup (2, 12)$   |
| $T_7^6 \sqcup T_2^1$               | $(2, 4, 6, 8, 7, 9, 12) \sqcup (13, 14)$<br>$(0, 2, 3, 4, 7, 6, 5) \sqcup (8, 10)$<br>$(0, 3, 5, 8, 9, 4, 1) \sqcup (12, 14)$<br>$(4, 9, 15, 8, 12, 7, 16) \sqcup (1, 11)$  | $T_7^7 \sqcup T_2^1$               | $(2, 4, 6, 9, 12, 1, 8) \sqcup (14, 15)$<br>$(5, 6, 3, 2, 0, 7, 4) \sqcup (8, 9)$<br>$(0, 3, 5, 4, 7, 1, 8) \sqcup (12, 14)$<br>$(4, 9, 15, 8, 12, 18, 7) \sqcup (1, 11)$  |
| $T_6^1 \sqcup T_3^1$               | $(1, 2, 4, 6, 9, 12) \sqcup (13, 14, 15)$<br>$(3, 4, 7, 9, 10, 13) \sqcup (5, 8, 6)$<br>$(11, 12, 10, 7, 5, 6) \sqcup (3, 1, 4)$<br>$(0, 4, 9, 15, 8, 16) \sqcup (1, 11, 2)$  | $T_6^2 \sqcup T_3^1$               | $(1, 2, 4, 6, 9, 5) \sqcup (13, 14, 15)$<br>$(13, 10, 9, 7, 4, 11) \sqcup (5, 8, 6)$<br>$(11, 12, 10, 7, 5, 13) \sqcup (3, 1, 4)$<br>$(0, 4, 9, 15, 8, 12) \sqcup (1, 11, 2)$  |
| $T_6^3 \sqcup T_3^1$               | $(0, 1, 2, 4, 6, 5) \sqcup (16, 13, 14)$<br>$(8, 6, 3, 2, 0, 4) \sqcup (14, 12, 15)$<br>$(7, 4, 5, 3, 0, 6) \sqcup (10, 8, 11)$<br>$(7, 0, 4, 9, 15, 12) \sqcup (1, 11, 2)$   | $T_6^4 \sqcup T_3^1$               | $(1, 2, 5, 4, 6, 7) \sqcup (16, 14, 13)$<br>$(8, 6, 9, 3, 2, 4) \sqcup (14, 12, 15)$<br>$(4, 5, 6, 3, 0, 1) \sqcup (11, 8, 7)$<br>$(7, 0, 6, 4, 9, 12) \sqcup (1, 11, 2)$  |
| $T_6^5 \sqcup T_3^1$               | $(0, 2, 4, 7, 1, 5) \sqcup (12, 11, 13)$<br>$(7, 6, 3, 2, 8, 9) \sqcup (14, 12, 15)$<br>$(4, 3, 5, 6, 0, 1) \sqcup (11, 8, 7)$<br>$(8, 0, 4, 9, 6, 7) \sqcup (1, 11, 2)$  | $T_6^6 \sqcup T_3^1$               | $(0, 2, 1, 3, 4, 5) \sqcup (12, 11, 14)$<br>$(4, 6, 8, 9, 5, 7) \sqcup (14, 12, 15)$<br>$(0, 3, 1, 4, 5, 6) \sqcup (11, 8, 7)$<br>$(4, 0, 8, 5, 6, 7) \sqcup (1, 11, 2)$   |
| $T_5^1 \sqcup T_4^1$               | $(2, 4, 6, 9, 12) \sqcup (16, 15, 14, 13)$<br>$(3, 4, 7, 9, 10) \sqcup (11, 12, 15, 13)$<br>$(12, 10, 7, 5, 6) \sqcup (18, 15, 17, 20)$<br>$(4, 9, 15, 8, 16) \sqcup (2, 11, 1, 5)$   | $T_5^2 \sqcup T_4^1$               | $(12, 9, 6, 4, 11) \sqcup (17, 16, 15, 14)$<br>$(9, 7, 4, 3, 6) \sqcup (11, 12, 15, 13)$<br>$(6, 5, 7, 10, 3) \sqcup (18, 15, 17, 20)$<br>$(16, 8, 15, 9, 12) \sqcup (2, 11, 1, 6)$  |
| $T_5^2 \sqcup T_4^1$               | $(4, 6, 9, 11, 8) \sqcup (16, 15, 18, 14)$<br>$(9, 7, 4, 3, 6) \sqcup (16, 17, 20, 15)$<br>$(6, 5, 7, 10, 3) \sqcup (9, 12, 11, 15)$<br>$(16, 8, 15, 9, 12) \sqcup (10, 1, 11, 6)$  | $T_5^3 \sqcup T_4^1$               | $(13, 15, 16, 18, 14) \sqcup (11, 9, 6, 7)$<br>$(14, 17, 16, 20, 15) \sqcup (9, 7, 4, 3)$<br>$(9, 12, 10, 11, 15) \sqcup (4, 6, 5, 7)$<br>$(5, 1, 10, 11, 6) \sqcup (16, 8, 15, 9)$  |
| $T_5^1 \sqcup T_4^1$               | $(7, 6, 9, 11, 8) \sqcup (16, 15, 13, 14)$<br>$(9, 7, 4, 3, 5) \sqcup (16, 17, 20, 15)$<br>$(4, 6, 5, 7, 10) \sqcup (9, 12, 11, 15)$<br>$(16, 8, 15, 9, 5) \sqcup (10, 1, 11, 6)$   | $T_5^3 \sqcup T_4^1$               | $(13, 15, 16, 18, 14) \sqcup (11, 9, 12, 6)$<br>$(18, 17, 16, 20, 15) \sqcup (9, 7, 10, 4)$<br>$(10, 12, 11, 14, 15) \sqcup (4, 6, 5, 7)$<br>$(5, 1, 10, 11, 6) \sqcup (16, 8, 14, 15)$  |
| $T_6^1 \sqcup 2T_2^1$              | $(1, 2, 4, 6, 9, 12) \sqcup (13, 14) \sqcup (8, 7)$<br>$(3, 4, 7, 9, 10, 13) \sqcup (8, 6) \sqcup (12, 15)$<br>$(11, 12, 10, 7, 5, 6) \sqcup (1, 4) \sqcup (17, 15)$<br>$(0, 4, 9, 15, 8, 16) \sqcup (1, 11) \sqcup (3, 12)$  | $T_6^2 \sqcup 2T_2^1$              | $(1, 2, 4, 6, 9, 5) \sqcup (13, 14) \sqcup (8, 7)$<br>$(13, 10, 9, 7, 4, 11) \sqcup (8, 6) \sqcup (12, 15)$<br>$(11, 12, 10, 7, 5, 13) \sqcup (1, 4) \sqcup (17, 15)$<br>$(0, 4, 9, 15, 8, 12) \sqcup (1, 11) \sqcup (5, 14)$  |
| $T_6^3 \sqcup 2T_2^1$              | $(0, 1, 2, 4, 7, 5) \sqcup (9, 6) \sqcup (8, 10)$<br>$(8, 6, 3, 2, 0, 4) \sqcup (5, 7) \sqcup (12, 13)$<br>$(6, 4, 5, 3, 0, 8) \sqcup (13, 14) \sqcup (18, 15)$<br>$(7, 0, 4, 9, 15, 12) \sqcup (1, 11) \sqcup (5, 14)$   | $T_6^4 \sqcup 2T_2^1$              | $(1, 2, 5, 4, 6, 7) \sqcup (13, 14) \sqcup (12, 15)$<br>$(8, 6, 9, 3, 2, 4) \sqcup (12, 14) \sqcup (18, 15)$<br>$(4, 5, 6, 3, 0, 1) \sqcup (8, 7) \sqcup (16, 14)$<br>$(7, 0, 6, 4, 9, 12) \sqcup (1, 11) \sqcup (5, 14)$  |
| $T_6^5 \sqcup 2T_2^1$              | $(0, 2, 4, 7, 1, 5) \sqcup (11, 13) \sqcup (12, 15)$<br>$(7, 6, 3, 2, 8, 9) \sqcup (11, 12) \sqcup (1, 4)$<br>$(4, 3, 5, 6, 0, 1) \sqcup (8, 7) \sqcup (12, 14)$<br>$(8, 0, 4, 9, 6, 7) \sqcup (1, 11) \sqcup (5, 14)$  | $T_6^6 \sqcup 2T_2^1$              | $(0, 2, 1, 3, 4, 5) \sqcup (12, 14) \sqcup (18, 19)$<br>$(4, 6, 8, 9, 5, 7) \sqcup (12, 15) \sqcup (11, 14)$<br>$(0, 3, 1, 4, 5, 6) \sqcup (8, 11) \sqcup (14, 15)$<br>$(4, 0, 8, 5, 6, 7) \sqcup (1, 11) \sqcup (3, 12)$  |
| $T_5^1 \sqcup T_3^1 \sqcup T_2^1$  | $(2, 4, 6, 9, 12) \sqcup (13, 14, 15) \sqcup (18, 19)$<br>$(3, 4, 7, 9, 10) \sqcup (12, 15, 13) \sqcup (1, 2)$<br>$(12, 10, 7, 5, 6) \sqcup (20, 17, 15) \sqcup (1, 4)$<br>$(4, 9, 15, 8, 16) \sqcup (11, 1, 5) \sqcup (3, 12)$   | $T_5^2 \sqcup T_3^1 \sqcup T_2^1$  | $(12, 9, 6, 4, 11) \sqcup (17, 16, 15) \sqcup (0, 1)$<br>$(9, 7, 4, 3, 6) \sqcup (12, 15, 13) \sqcup (18, 19)$<br>$(6, 5, 7, 10, 3) \sqcup (20, 17, 15) \sqcup (1, 4)$<br>$(16, 8, 15, 9, 12) \sqcup (1, 11, 2) \sqcup (0, 5)$   |
| $T_5^3 \sqcup T_3^1 \sqcup T_2^1$  | $(13, 15, 16, 18, 14) \sqcup (9, 6, 7) \sqcup (2, 4)$<br>$(14, 17, 16, 20, 15) \sqcup (3, 4, 7) \sqcup (11, 13)$<br>$(9, 12, 10, 11, 15) \sqcup (6, 5, 7) \sqcup (0, 2)$<br>$(5, 1, 10, 11, 6) \sqcup (8, 15, 9) \sqcup (4, 12)$  | $2T_4^1 \sqcup T_2^1$              | $(4, 6, 9, 12) \sqcup (16, 15, 14, 13) \sqcup (19, 20)$<br>$(9, 7, 4, 3) \sqcup (11, 12, 15, 13) \sqcup (16, 17)$<br>$(12, 10, 7, 5) \sqcup (18, 15, 17, 20) \sqcup (9, 11)$<br>$(9, 15, 8, 16) \sqcup (2, 11, 1, 5) \sqcup (12, 7)$   |
| $T_4^1 \sqcup T_4^2 \sqcup T_2^1$  | $(11, 9, 6, 7) \sqcup (16, 15, 13, 14) \sqcup (1, 4)$<br>$(5, 3, 4, 7) \sqcup (16, 17, 20, 15) \sqcup (0, 2)$<br>$(4, 6, 5, 7) \sqcup (9, 12, 11, 15) \sqcup (0, 3)$<br>$(16, 8, 15, 9) \sqcup (10, 1, 11, 6) \sqcup (0, 4)$  | $2T_4^2 \sqcup T_2^1$              | $(18, 15, 13, 14) \sqcup (11, 9, 12, 6) \sqcup (1, 2)$<br>$(18, 17, 20, 15) \sqcup (9, 7, 10, 4) \sqcup (2, 3)$<br>$(11, 12, 14, 15) \sqcup (4, 6, 5, 7) \sqcup (17, 19)$<br>$(11, 1, 5, 6) \sqcup (16, 8, 14, 15) \sqcup (0, 9)$  |
| $T_4^1 \sqcup 2T_3^1$              | $(16, 15, 14, 13) \sqcup (0, 3, 5) \sqcup (12, 9, 6)$<br>$(11, 12, 15, 13) \sqcup (10, 9, 7) \sqcup (16, 18, 20)$<br>$(18, 15, 17, 20) \sqcup (10, 11, 14) \sqcup (6, 5, 7)$<br>$(2, 12, 3, 11) \sqcup (8, 1, 7) \sqcup (4, 0, 5)$  | $T_4^2 \sqcup 2T_3^1$              | $(11, 9, 12, 6) \sqcup (18, 15, 13) \sqcup (0, 1, 2)$<br>$(9, 7, 10, 4) \sqcup (18, 17, 20) \sqcup (1, 3, 2)$<br>$(11, 12, 14, 15) \sqcup (4, 6, 7) \sqcup (17, 19, 20)$<br>$(16, 8, 14, 15) \sqcup (11, 1, 6) \sqcup (9, 0, 4)$   |
| $T_4^1 \sqcup T_3^1 \sqcup 2T_2^1$ | $(8, 6, 9, 11) \sqcup (0, 1, 2) \sqcup (16, 19) \sqcup (18, 15)$<br>$(8, 10, 7, 9) \sqcup (18, 17, 20) \sqcup (11, 14) \sqcup (2, 3)$<br>$(13, 11, 12, 14) \sqcup (17, 19, 20) \sqcup (6, 7) \sqcup (8, 5)$<br>$(0, 5, 1, 7) \sqcup (3, 10, 2) \sqcup (4, 13) \sqcup (16, 6)$   | $T_4^2 \sqcup T_3^1 \sqcup 2T_2^1$ | $(11, 9, 12, 6) \sqcup (0, 1, 2) \sqcup (18, 15) \sqcup (13, 14)$<br>$(9, 7, 10, 4) \sqcup (18, 17, 20) \sqcup (11, 13) \sqcup (2, 3)$<br>$(11, 12, 14, 15) \sqcup (17, 19, 20) \sqcup (8, 6) \sqcup (1, 3)$<br>$(4, 0, 5, 6) \sqcup (8, 1, 9) \sqcup (3, 12) \sqcup (17, 7)$  |
| $T_5^1 \sqcup 3T_2^1$              | $(2, 4, 6, 9, 12) \sqcup (13, 14) \sqcup (18, 19) \sqcup (0, 1)$<br>$(3, 4, 7, 9, 10) \sqcup (13, 15) \sqcup (1, 2) \sqcup (8, 5)$<br>$(6, 5, 7, 10, 12) \sqcup (17, 20) \sqcup (8, 11) \sqcup (1, 3)$<br>$(4, 9, 15, 8, 16) \sqcup (1, 11) \sqcup (3, 12) \sqcup (2, 6)$   | $T_5^2 \sqcup 3T_2^1$              | $(11, 9, 6, 4, 12) \sqcup (16, 15) \sqcup (8, 10) \sqcup (2, 3)$<br>$(6, 7, 4, 3, 9) \sqcup (13, 15) \sqcup (18, 19) \sqcup (8, 5)$<br>$(3, 5, 7, 10, 6) \sqcup (17, 20) \sqcup (8, 11) \sqcup (0, 1)$<br>$(12, 8, 15, 9, 16) \sqcup (2, 11) \sqcup (0, 5) \sqcup (3, 13)$   |
| $T_5^3 \sqcup 3T_2^1$              | $(13, 15, 16, 18, 14) \sqcup (9, 6) \sqcup (2, 4) \sqcup (5, 7)$<br>$(14, 17, 16, 20, 15) \sqcup (4, 7) \sqcup (11, 13) \sqcup (5, 6)$<br>$(9, 12, 10, 11, 15) \sqcup (6, 7) \sqcup (0, 2) \sqcup (3, 4)$<br>$(5, 1, 10, 11, 6) \sqcup (9, 15) \sqcup (4, 12) \sqcup (0, 7)$  | $3T_3^1 \sqcup T_2^1$              | $(18, 15, 13) \sqcup (11, 9, 6) \sqcup (0, 1, 2) \sqcup (16, 19)$<br>$(18, 17, 20) \sqcup (9, 7, 10) \sqcup (1, 3, 2) \sqcup (11, 14)$<br>$(11, 12, 14) \sqcup (4, 6, 7) \sqcup (17, 19, 20) \sqcup (8, 5)$<br>$(11, 1, 6) \sqcup (16, 8, 14) \sqcup (9, 0, 4) \sqcup (10, 3)$   |
| $T_4^1 \sqcup 4T_2^1$              | $(9, 6, 4, 2) \sqcup (13, 14) \sqcup (18, 19) \sqcup (0, 1) \sqcup (10, 12)$<br>$(9, 7, 4, 3) \sqcup (13, 15) \sqcup (1, 2) \sqcup (8, 5) \sqcup (16, 17)$<br>$(10, 7, 5, 6) \sqcup (17, 20) \sqcup (8, 11) \sqcup (1, 3) \sqcup (9, 12)$<br>$(9, 15, 8, 16) \sqcup (1, 11) \sqcup (3, 12) \sqcup (2, 6) \sqcup (0, 5)$       | $T_4^2 \sqcup 4T_2^1$              | $(16, 15, 18, 13) \sqcup (9, 6) \sqcup (2, 4) \sqcup (5, 7) \sqcup (0, 1)$<br>$(16, 17, 20, 14) \sqcup (4, 7) \sqcup (11, 13) \sqcup (5, 6) \sqcup (1, 3)$<br>$(9, 12, 10, 11) \sqcup (6, 7) \sqcup (0, 2) \sqcup (3, 4) \sqcup (8, 5)$<br>$(10, 1, 11, 5) \sqcup (9, 15) \sqcup (4, 12) \sqcup (0, 7) \sqcup (8, 3)$  |
| $2T_3^1 \sqcup 3T_2^1$             | $(11, 9, 6) \sqcup (0, 1, 2) \sqcup (18, 15) \sqcup (16, 19) \sqcup (17, 20)$<br>$(9, 7, 10) \sqcup (1, 3, 2) \sqcup (17, 18) \sqcup (11, 14) \sqcup (8, 5)$<br>$(11, 12, 14) \sqcup (4, 6, 7) \sqcup (19, 20) \sqcup (13, 15) \sqcup (3, 5)$<br>$(11, 1, 6) \sqcup (16, 8, 14) \sqcup (0, 9) \sqcup (10, 3) \sqcup (17, 13)$ | $T_3^1 \sqcup 5T_2^1$              | $(0, 1, 2) \sqcup (18, 15) \sqcup (9, 11) \sqcup (16, 19) \sqcup (5, 6) \sqcup (10, 7)$<br>$(1, 3, 2) \sqcup (17, 18) \sqcup (9, 7) \sqcup (11, 14) \sqcup (8, 5) \sqcup (16, 13)$<br>$(4, 6, 7) \sqcup (12, 14) \sqcup (3, 5) \sqcup (13, 15) \sqcup (17, 20) \sqcup (18, 19)$<br>$(16, 8, 14) \sqcup (1, 11) \sqcup (0, 9) \sqcup (10, 3) \sqcup (17, 13) \sqcup (2, 7)$ |