

Ярус 1:

$$1: \bigcup_i^8 (W_i)_0 = (W_1)_0 \cup (W_2)_0 \cup (W_3)_0 \cup (W_4)_0 \cup (W_5)_0 \cup (W_6)_0 \cup (W_7)_0 \cup (W_8)_0 = \{28\} \cup \{29\} \cup \{30\} \cup \{31\} \cup \{32\} \cup \{33\} \cup \{10, 13, 17, 21, 25\} \cup \{11\} = \{28\} \cup \{29\} \cup \{30\} \cup \{31\} \cup \{32\} \cup \{33\} \cup \{10, 13, 17, 21, 25\} \cup \{11\} = \{10, 11, 13, 17, 21, 25, 28, 29, 30, 31, 32, 33\}$$

Ярус 2:

$$2: \bigcup_{i,l}^{6,6} (W_i \cap W_l)_1 = (W_1 \cap W_2)_1 \cup (W_1 \cap W_3)_1 \cup (W_1 \cap W_4)_1 \cup (W_1 \cap W_5)_1 \cup (W_1 \cap W_6)_1 \cup (W_2 \cap W_3)_1 \cup (W_2 \cap W_4)_1 \cup (W_2 \cap W_5)_1 \cup (W_2 \cap W_6)_1 \cup (W_3 \cap W_4)_1 \cup (W_3 \cap W_5)_1 \cup (W_3 \cap W_6)_1 \cup (W_4 \cap W_5)_1 \cup (W_4 \cap W_6)_1 \cup (W_5 \cap W_6)_1 = (\{14, 28\} \cap \{11\}) \cup (\{14, 28\} \cap \{14\}) \cup (\{14, 28\} \cap \{18\}) \cup (\{14, 28\} \cap \{22\}) \cup (\{14, 28\} \cap \{26\}) \cup (\{11\} \cap \{14\}) \cup (\{11\} \cap \{18\}) \cup (\{11\} \cap \{22\}) \cup (\{11\} \cap \{26\}) \cup (\{14\} \cap \{18\}) \cup (\{14\} \cap \{22\}) \cup (\{14\} \cap \{26\}) \cup (\{18\} \cap \{22\}) \cup (\{18\} \cap \{26\}) \cup (\{22\} \cap \{26\}) = \emptyset \cup \{14\} \cup \emptyset \cup \emptyset \cup \emptyset \cup \emptyset \cup \emptyset \cup \emptyset \cup \emptyset \cup \emptyset \cup \emptyset \cup \emptyset \cup \emptyset \cup \emptyset \cup \emptyset \cup \emptyset = \{14\} \\ \left[\bigcup_i^6 (W_i)_1 \right] \cap \left[\bigcup_i^8 (W_i)_0 \right] = \left[(W_1)_1 \cup (W_2)_1 \cup (W_3)_1 \cup (W_4)_1 \cup (W_5)_1 \cup (W_6)_1 \right] \cap \left[(W_1)_0 \cup (W_2)_0 \cup (W_3)_0 \cup (W_4)_0 \cup (W_5)_0 \cup (W_6)_0 \cup (W_7)_0 \cup (W_8)_0 \right] = \left[\{14, 28\} \cup \{11\} \cup \{14\} \cup \{18\} \cup \{22\} \cup \{26\} \right] \cap \left[\{28\} \cup \{29\} \cup \{30\} \cup \{31\} \cup \{32\} \cup \{33\} \cup \{10, 13, 17, 21, 25\} \cup \{11\} \right] = \left[\{14, 28\} \cup \{11\} \cup \{14\} \cup \{18\} \cup \{22\} \cup \{26\} \right] \cap \left[\{28\} \cup \{29\} \cup \{30\} \cup \{31\} \cup \{32\} \cup \{33\} \cup \{10, 13, 17, 21, 25\} \cup \{11\} \right] = \{11, 14, 18, 22, 26, 28\} \cap \{10, 11, 13, 17, 21, 25, 28, 29, 30, 31, 32, 33\} = \{11, 28\}$$

Ярус 3:

$$1: \bigcup_i^3 (W_i)_2 = (W_1)_2 \cup (W_2)_2 \cup (W_3)_2 = \{12, 16, 18, 20, 24, 29\} \cup \{15\} \cup \{34\} = \{12, 16, 18, 20, 24, 29\} \cup \{15\} \cup \{34\} = \{12, 15, 16, 18, 20, 24, 29, 34\}$$

$$2: \bigcup_{i,l}^{3,3} (W_i \cap W_l)_2 = (W_1 \cap W_2)_2 \cup (W_1 \cap W_3)_2 \cup (W_2 \cap W_3)_2 = (\{12, 16, 18, 20, 24, 29\} \cap \{15\}) \cup (\{12, 16, 18, 20, 24, 29\} \cap \{34\}) \cup (\{15\} \cap \{34\}) = \emptyset \cup \emptyset \cup \emptyset = \emptyset \\ \bigcup_p \left(\bigcup_i^3 (W_i)_2 \cap \bigcup_i^6 (W_i)_p \right) = \left(\left[\bigcup_i^3 (W_i)_2 \right] \cap \left[\bigcup_i^6 (W_i)_1 \right] \right) \cup \left(\left[\bigcup_i^3 (W_i)_2 \right] \cap \left[\bigcup_i^8 (W_i)_0 \right] \right) = \left(\left[(W_1)_2 \cup (W_2)_2 \cup (W_3)_2 \right] \cap \left[(W_1)_1 \cup (W_2)_1 \cup (W_3)_1 \cup (W_4)_1 \cup (W_5)_1 \cup (W_6)_1 \right] \right) \cup \left(\left[(W_1)_2 \cup (W_2)_2 \cup (W_3)_2 \right] \cap \left[(W_1)_0 \cup (W_2)_0 \cup (W_3)_0 \cup (W_4)_0 \cup (W_5)_0 \cup (W_6)_0 \cup (W_7)_0 \cup (W_8)_0 \right] \right) = \left(\left[\{12, 16, 18, 20, 24, 29\} \cup \{15\} \cup \{34\} \right] \cap \left[\{14, 28\} \cup \{11\} \cup \{14\} \cup \{18\} \cup \{22\} \cup \{26\} \right] \right) \cup \left(\left[\{12, 16, 18, 20, 24, 29\} \cup \{15\} \cup \{34\} \right] \cap \left[\{28\} \cup \{29\} \cup \{30\} \cup \{31\} \cup \{32\} \cup \{33\} \cup \{10, 13, 17, 21, 25\} \cup \{11\} \right] \right) = \left(\left[\{12, 16, 18, 20, 24, 29\} \cup \{15\} \cup \{34\} \right] \cap \left[\{14, 28\} \cup \{11\} \cup \{14\} \cup \{18\} \cup \{22\} \cup \{26\} \right] \right) \cup \left(\left[\{12, 16, 18, 20, 24, 29\} \cup \{15\} \cup \{34\} \right] \cap \left[\{28\} \cup \{29\} \cup \{30\} \cup \{31\} \cup \{32\} \cup \{33\} \cup \{10, 13, 17, 21, 25\} \cup \{11\} \right] \right) = \left(\{12, 15, 16, 18, 20, 24, 29, 34\} \cap \{11, 14, 18, 22, 26, 28\} \right) \cup \left(\{12, 15, 16, 18, 20, 24, 29, 34\} \cap \{10, 11, 13, 17, 21, 25, 28, 29, 30, 31, 32, 33\} \right) = \{18\} \cup \{29\} = \{18, 29\}$$

Ярус 4:

$$2: \bigcup_{i,l}^{3,3} (W_i \cap W_l)_3 = (W_1 \cap W_2)_3 \cup (W_1 \cap W_3)_3 \cup (W_2 \cap W_3)_3 = (\{15\} \cap \{19\}) \cup (\{15\} \cap \{34\}) \cup (\{19\} \cap \{34\}) = \emptyset \cup \emptyset \cup \emptyset = \emptyset \\ \bigcup_p \left(\bigcup_i^3 (W_i)_3 \cap \bigcup_i^3 (W_i)_p \right) = \left(\left[\bigcup_i^3 (W_i)_3 \right] \cap \left[\bigcup_i^3 (W_i)_2 \right] \right) \cup \left(\left[\bigcup_i^3 (W_i)_3 \right] \cap \left[\bigcup_i^6 (W_i)_1 \right] \right) \cup \left(\left[\bigcup_i^3 (W_i)_3 \right] \cap \left[\bigcup_i^8 (W_i)_0 \right] \right) = \left(\left[(W_1)_3 \cup (W_2)_3 \cup (W_3)_3 \right] \cap \left[(W_1)_2 \cup (W_2)_2 \cup (W_3)_2 \right] \right) \cup \left(\left[(W_1)_3 \cup (W_2)_3 \cup (W_3)_3 \right] \cap \left[(W_1)_1 \cup (W_2)_1 \cup (W_3)_1 \cup (W_4)_1 \cup (W_5)_1 \cup (W_6)_1 \right] \right) \cup \left(\left[(W_1)_3 \cup (W_2)_3 \cup (W_3)_3 \right] \cap \left[(W_1)_0 \cup (W_2)_0 \cup (W_3)_0 \cup (W_4)_0 \cup (W_5)_0 \cup (W_6)_0 \cup (W_7)_0 \cup (W_8)_0 \right] \right) = \left(\left[\{15\} \cup \{19\} \cup \{34\} \right] \cap \left[\{12, 16, 18, 20, 24, 29\} \cup \{15\} \cup \{34\} \right] \right) \cup \left(\left[\{15\} \cup \{19\} \cup \{34\} \right] \cap \left[\{14, 28\} \cup \{11\} \cup \{14\} \cup \{18\} \cup \{22\} \cup \{26\} \right] \right) \cup \left(\left[\{15\} \cup \{19\} \cup \{34\} \right] \cap \left[\{28\} \cup \{29\} \cup \{30\} \cup \{31\} \cup \{32\} \cup \{33\} \cup \{10, 13, 17, 21, 25\} \cup \{11\} \right] \right) = \emptyset$$

$$\begin{aligned} & \left[\{14, 28\} \cup \{11\} \cup \{14\} \cup \{18\} \cup \{22\} \cup \{26\} \right] \cup \left(\left[\{15\} \cup \{19\} \cup \{34\} \right] \cap \left[\{28\} \cup \{29\} \cup \{30\} \cup \{31\} \cup \{32\} \cup \{33\} \cup \right. \right. \\ & \left. \left. \{10, 13, 17, 21, 25\} \cup \{11\} \right] \right) = \left(\left[\{15\} \cup \{19\} \cup \{34\} \right] \cap \left[\{12, 16, 18, 20, 24, 29\} \cup \{15\} \cup \{34\} \right] \right) \cup \left(\left[\{15\} \cup \right. \right. \\ & \left. \left. \{19\} \cup \{34\} \right] \cap \left[\{14, 28\} \cup \{11\} \cup \{14\} \cup \{18\} \cup \{22\} \cup \{26\} \right] \right) \cup \left(\left[\{15\} \cup \{19\} \cup \{34\} \right] \cap \left[\{28\} \cup \{29\} \cup \{30\} \cup \{31\} \cup \right. \right. \\ & \left. \left. \{32\} \cup \{33\} \cup \{10, 13, 17, 21, 25\} \cup \{11\} \right] \right) = \left(\{15, 19, 34\} \cap \{12, 15, 16, 18, 20, 24, 29, 34\} \right) \cup \left(\{15, 19, 34\} \cap \right. \\ & \left. \{11, 14, 18, 22, 26, 28\} \right) \cup \left(\{15, 19, 34\} \cap \{10, 11, 13, 17, 21, 25, 28, 29, 30, 31, 32, 33\} \right) = \{15, 34\} \cup \emptyset \cup \emptyset = \\ & \{15, 34\} \end{aligned}$$

Ярус 5:

$$\begin{aligned} 2: \bigcup_p \left(\bigcup_i^1 (W_i)_4 \cap \bigcup_i^3 (W_i)_p \right) &= \left(\left[\bigcup_i^1 (W_i)_4 \right] \cap \left[\bigcup_i^3 (W_i)_3 \right] \right) \cup \left(\left[\bigcup_i^1 (W_i)_4 \right] \cap \left[\bigcup_i^3 (W_i)_2 \right] \right) \cup \left(\left[\bigcup_i^1 (W_i)_4 \right] \cap \right. \\ & \left. \left[\bigcup_i^6 (W_i)_1 \right] \right) \cup \left(\left[\bigcup_i^1 (W_i)_4 \right] \cap \left[\bigcup_i^8 (W_i)_0 \right] \right) = \left((W_1)_4 \cap \left[(W_1)_3 \cup (W_2)_3 \cup (W_3)_3 \right] \right) \cup \left((W_1)_4 \cap \left[(W_1)_2 \cup \right. \right. \\ & \left. \left. (W_2)_2 \cup (W_3)_2 \right] \right) \cup \left((W_1)_4 \cap \left[(W_1)_1 \cup (W_2)_1 \cup (W_3)_1 \cup (W_4)_1 \cup (W_5)_1 \cup (W_6)_1 \right] \right) \cup \left((W_1)_4 \cap \left[(W_1)_0 \cup \right. \right. \\ & \left. \left. (W_2)_0 \cup (W_3)_0 \cup (W_4)_0 \cup (W_5)_0 \cup (W_6)_0 \cup (W_7)_0 \cup (W_8)_0 \right] \right) = \left(\{16, 22, 30\} \cap \left[\{15\} \cup \{19\} \cup \{34\} \right] \right) \cup \\ & \left(\{16, 22, 30\} \cap \left[\{12, 16, 18, 20, 24, 29\} \cup \{15\} \cup \{34\} \right] \right) \cup \left(\{16, 22, 30\} \cap \left[\{14, 28\} \cup \{11\} \cup \{14\} \cup \{18\} \cup \right. \right. \\ & \left. \left. \{22\} \cup \{26\} \right] \right) \cup \left(\{16, 22, 30\} \cap \left[\{28\} \cup \{29\} \cup \{30\} \cup \{31\} \cup \{32\} \cup \{33\} \cup \{10, 13, 17, 21, 25\} \cup \{11\} \right] \right) = \\ & \left(\{16, 22, 30\} \cap \left[\{15\} \cup \{19\} \cup \{34\} \right] \right) \cup \left(\{16, 22, 30\} \cap \left[\{12, 16, 18, 20, 24, 29\} \cup \{15\} \cup \{34\} \right] \right) \cup \left(\{16, 22, 30\} \cap \right. \\ & \left. \left[\{14, 28\} \cup \{11\} \cup \{14\} \cup \{18\} \cup \{22\} \cup \{26\} \right] \right) \cup \left(\{16, 22, 30\} \cap \left[\{28\} \cup \{29\} \cup \{30\} \cup \{31\} \cup \{32\} \cup \{33\} \cup \right. \right. \\ & \left. \left. \{10, 13, 17, 21, 25\} \cup \{11\} \right] \right) = \left(\{16, 22, 30\} \cap \{15, 19, 34\} \right) \cup \left(\{16, 22, 30\} \cap \{12, 15, 16, 18, 20, 24, 29, 34\} \right) \cup \\ & \left(\{16, 22, 30\} \cap \{11, 14, 18, 22, 26, 28\} \right) \cup \left(\{16, 22, 30\} \cap \{10, 11, 13, 17, 21, 25, 28, 29, 30, 31, 32, 33\} \right) = \emptyset \cup \\ & \{16\} \cup \{22\} \cup \{30\} = \{16, 22, 30\} \end{aligned}$$

Ярус 6:

$$\begin{aligned} 2: \bigcup_{i,l}^{3,3} (W_i \cap W_l)_5 &= (W_1 \cap W_2)_5 \cup (W_1 \cap W_3)_5 \cup (W_2 \cap W_3)_5 = (\{19\} \cap \{23\}) \cup (\{19\} \cap \{34\}) \cup (\{23\} \cap \{34\}) = \\ & \emptyset \cup \emptyset \cup \emptyset = \emptyset \\ \bigcup_p \left(\bigcup_i^3 (W_i)_5 \cap \bigcup_i^1 (W_i)_p \right) &= \left(\left[\bigcup_i^3 (W_i)_5 \right] \cap \left[\bigcup_i^1 (W_i)_4 \right] \right) \cup \left(\left[\bigcup_i^3 (W_i)_5 \right] \cap \left[\bigcup_i^3 (W_i)_3 \right] \right) \cup \left(\left[\bigcup_i^3 (W_i)_5 \right] \cap \left[\bigcup_i^3 (W_i)_2 \right] \right) \cup \\ & \left(\left[\bigcup_i^3 (W_i)_5 \right] \cap \left[\bigcup_i^6 (W_i)_1 \right] \right) \cup \left(\left[\bigcup_i^3 (W_i)_5 \right] \cap \left[\bigcup_i^8 (W_i)_0 \right] \right) = \left(\left[(W_1)_5 \cup (W_2)_5 \cup (W_3)_5 \right] \cap (W_1)_4 \right) \cup \left(\left[(W_1)_5 \cup \right. \right. \\ & \left. \left. (W_2)_5 \cup (W_3)_5 \right] \cap \left[(W_1)_3 \cup (W_2)_3 \cup (W_3)_3 \right] \right) \cup \left(\left[(W_1)_5 \cup (W_2)_5 \cup (W_3)_5 \right] \cap \left[(W_1)_2 \cup (W_2)_2 \cup (W_3)_2 \right] \right) \cup \left(\left[(W_1)_5 \cup \right. \right. \\ & \left. \left. (W_2)_5 \cup (W_3)_5 \right] \cap \left[(W_1)_1 \cup (W_2)_1 \cup (W_3)_1 \cup (W_4)_1 \cup (W_5)_1 \cup (W_6)_1 \right] \right) \cup \left(\left[(W_1)_5 \cup (W_2)_5 \cup (W_3)_5 \right] \cap \left[(W_1)_0 \cup \right. \right. \\ & \left. \left. (W_2)_0 \cup (W_3)_0 \cup (W_4)_0 \cup (W_5)_0 \cup (W_6)_0 \cup (W_7)_0 \cup (W_8)_0 \right] \right) = \left(\left[\{19\} \cup \{23\} \cup \{34\} \right] \cap \{16, 22, 30\} \right) \cup \left(\left[\{19\} \cup \right. \right. \\ & \left. \left. \{23\} \cup \{34\} \right] \cap \left[\{15\} \cup \{19\} \cup \{34\} \right] \right) \cup \left(\left[\{19\} \cup \{23\} \cup \{34\} \right] \cap \left[\{12, 16, 18, 20, 24, 29\} \cup \{15\} \cup \{34\} \right] \right) \cup \\ & \left(\left[\{19\} \cup \{23\} \cup \{34\} \right] \cap \left[\{14, 28\} \cup \{11\} \cup \{14\} \cup \{18\} \cup \{22\} \cup \{26\} \right] \right) \cup \left(\left[\{19\} \cup \{23\} \cup \{34\} \right] \cap \left[\{28\} \cup \{29\} \cup \right. \right. \\ & \left. \left. \{30\} \cup \{31\} \cup \{32\} \cup \{33\} \cup \{10, 13, 17, 21, 25\} \cup \{11\} \right] \right) = \left(\left[\{19\} \cup \{23\} \cup \{34\} \right] \cap \{16, 22, 30\} \right) \cup \left(\left[\{19\} \cup \right. \right. \\ & \left. \left. \{23\} \cup \{34\} \right] \cap \left[\{15\} \cup \{19\} \cup \{34\} \right] \right) \cup \left(\left[\{19\} \cup \{23\} \cup \{34\} \right] \cap \left[\{12, 16, 18, 20, 24, 29\} \cup \{15\} \cup \{34\} \right] \right) \cup \\ & \left(\left[\{19\} \cup \{23\} \cup \{34\} \right] \cap \left[\{14, 28\} \cup \{11\} \cup \{14\} \cup \{18\} \cup \{22\} \cup \{26\} \right] \right) \cup \left(\left[\{19\} \cup \{23\} \cup \{34\} \right] \cap \left[\{28\} \cup \{29\} \cup \right. \right. \\ & \left. \left. \{30\} \cup \{31\} \cup \{32\} \cup \{33\} \cup \{10, 13, 17, 21, 25\} \cup \{11\} \right] \right) = \left(\{19, 23, 34\} \cap \{16, 22, 30\} \right) \cup \left(\{19, 23, 34\} \cap \right. \\ & \left. \{15, 19, 34\} \right) \cup \left(\{19, 23, 34\} \cap \{12, 15, 16, 18, 20, 24, 29, 34\} \right) \cup \left(\{19, 23, 34\} \cap \{11, 14, 18, 22, 26, 28\} \right) \cup \\ & \left(\{19, 23, 34\} \cap \{10, 11, 13, 17, 21, 25, 28, 29, 30, 31, 32, 33\} \right) = \emptyset \cup \{19, 34\} \cup \{34\} \cup \emptyset \cup \emptyset = \{19, 34\} \end{aligned}$$

Ярус 7:

$$\begin{aligned}
2: \bigcup_p \left(\bigcup_i^1 (W_i)_6 \cap \bigcup_i^3 (W_i)_p \right) &= \left(\left[\bigcup_i^1 (W_i)_6 \right] \cap \left[\bigcup_i^3 (W_i)_5 \right] \right) \cup \left(\left[\bigcup_i^1 (W_i)_6 \right] \cap \left[\bigcup_i^1 (W_i)_4 \right] \right) \cup \left(\left[\bigcup_i^1 (W_i)_6 \right] \cap \left[\bigcup_i^3 (W_i)_3 \right] \right) \cup \left(\left[\bigcup_i^1 (W_i)_6 \right] \cap \left[\bigcup_i^3 (W_i)_2 \right] \right) \cup \left(\left[\bigcup_i^1 (W_i)_6 \right] \cap \left[\bigcup_i^6 (W_i)_1 \right] \right) \cup \left(\left[\bigcup_i^1 (W_i)_6 \right] \cap \left[\bigcup_i^8 (W_i)_0 \right] \right) = \\
&= \left((W_1)_6 \cap \left[(W_1)_5 \cup (W_2)_5 \cup (W_3)_5 \right] \right) \cup \left((W_1)_6 \cap (W_1)_4 \right) \cup \left((W_1)_6 \cap \left[(W_1)_3 \cup (W_2)_3 \cup (W_3)_3 \right] \right) \cup \left((W_1)_6 \cap \left[(W_1)_2 \cup (W_2)_2 \cup (W_3)_2 \right] \right) \cup \left((W_1)_6 \cap \left[(W_1)_1 \cup (W_2)_1 \cup (W_3)_1 \cup (W_4)_1 \cup (W_5)_1 \cup (W_6)_1 \right] \right) \cup \left((W_1)_6 \cap \left[(W_1)_0 \cup (W_2)_0 \cup (W_3)_0 \cup (W_4)_0 \cup (W_5)_0 \cup (W_6)_0 \cup (W_7)_0 \cup (W_8)_0 \right] \right) = \\
&= \left(\{20, 26, 31\} \cap \left[\{19\} \cup \{23\} \cup \{34\} \right] \right) \cup \left(\{20, 26, 31\} \cap \{16, 22, 30\} \right) \cup \left(\{20, 26, 31\} \cap \left[\{15\} \cup \{19\} \cup \{34\} \right] \right) \cup \left(\{20, 26, 31\} \cap \left[\{12, 16, 18, 20, 24, 29\} \cup \{15\} \cup \{34\} \right] \right) \cup \\
&\left(\{20, 26, 31\} \cap \left[\{14, 28\} \cup \{11\} \cup \{14\} \cup \{18\} \cup \{22\} \cup \{26\} \right] \right) \cup \left(\{20, 26, 31\} \cap \left[\{28\} \cup \{29\} \cup \{30\} \cup \{31\} \cup \{32\} \cup \{33\} \cup \{10, 13, 17, 21, 25\} \cup \{11\} \right] \right) = \\
&= \left(\{20, 26, 31\} \cap \left[\{19\} \cup \{23\} \cup \{34\} \right] \right) \cup \left(\{20, 26, 31\} \cap \{16, 22, 30\} \right) \cup \left(\{20, 26, 31\} \cap \left[\{15\} \cup \{19\} \cup \{34\} \right] \right) \cup \left(\{20, 26, 31\} \cap \left[\{12, 16, 18, 20, 24, 29\} \cup \{15\} \cup \{34\} \right] \right) \cup \\
&\left(\{20, 26, 31\} \cap \left[\{14, 28\} \cup \{11\} \cup \{14\} \cup \{18\} \cup \{22\} \cup \{26\} \right] \right) \cup \left(\{20, 26, 31\} \cap \left[\{28\} \cup \{29\} \cup \{30\} \cup \{31\} \cup \{32\} \cup \{33\} \cup \{10, 13, 17, 21, 25\} \cup \{11\} \right] \right) = \\
&= \left(\{20, 26, 31\} \cap \{19, 23, 34\} \right) \cup \left(\{20, 26, 31\} \cap \{16, 22, 30\} \right) \cup \left(\{20, 26, 31\} \cap \{15, 19, 34\} \right) \cup \left(\{20, 26, 31\} \cap \{12, 15, 16, 18, 20, 24, 29, 34\} \right) \cup \left(\{20, 26, 31\} \cap \{11, 14, 18, 22, 26, 28\} \right) \cup \\
&\left(\{20, 26, 31\} \cap \{10, 11, 13, 17, 21, 25, 28, 29, 30, 31, 32, 33\} \right) = \emptyset \cup \emptyset \cup \emptyset \cup \{20\} \cup \{26\} \cup \{31\} = \{20, 26, 31\}
\end{aligned}$$

Ярус 8:

$$\begin{aligned}
2: \bigcup_{i,l}^{3,3} (W_i \cap W_l)_7 &= (W_1 \cap W_2)_7 \cup (W_1 \cap W_3)_7 \cup (W_2 \cap W_3)_7 = (\{23\} \cap \{27\}) \cup (\{23\} \cap \{34\}) \cup (\{27\} \cap \{34\}) = \\
&\emptyset \cup \emptyset \cup \emptyset = \emptyset \\
\bigcup_p \left(\bigcup_i^3 (W_i)_7 \cap \bigcup_i^1 (W_i)_p \right) &= \left(\left[\bigcup_i^3 (W_i)_7 \right] \cap \left[\bigcup_i^1 (W_i)_6 \right] \right) \cup \left(\left[\bigcup_i^3 (W_i)_7 \right] \cap \left[\bigcup_i^3 (W_i)_5 \right] \right) \cup \left(\left[\bigcup_i^3 (W_i)_7 \right] \cap \left[\bigcup_i^1 (W_i)_4 \right] \right) \cup \\
&\left(\left[\bigcup_i^3 (W_i)_7 \right] \cap \left[\bigcup_i^3 (W_i)_3 \right] \right) \cup \left(\left[\bigcup_i^3 (W_i)_7 \right] \cap \left[\bigcup_i^3 (W_i)_2 \right] \right) \cup \left(\left[\bigcup_i^3 (W_i)_7 \right] \cap \left[\bigcup_i^6 (W_i)_1 \right] \right) \cup \left(\left[\bigcup_i^3 (W_i)_7 \right] \cap \left[\bigcup_i^8 (W_i)_0 \right] \right) = \\
&= \left(\left[(W_1)_7 \cup (W_2)_7 \cup (W_3)_7 \right] \cap (W_1)_6 \right) \cup \left(\left[(W_1)_7 \cup (W_2)_7 \cup (W_3)_7 \right] \cap \left[(W_1)_5 \cup (W_2)_5 \cup (W_3)_5 \right] \right) \cup \left(\left[(W_1)_7 \cup (W_2)_7 \cup (W_3)_7 \right] \cap (W_1)_4 \right) \cup \\
&\left(\left[(W_1)_7 \cup (W_2)_7 \cup (W_3)_7 \right] \cap \left[(W_1)_3 \cup (W_2)_3 \cup (W_3)_3 \right] \right) \cup \left(\left[(W_1)_7 \cup (W_2)_7 \cup (W_3)_7 \right] \cap \left[(W_1)_2 \cup (W_2)_2 \cup (W_3)_2 \right] \right) \cup \left(\left[(W_1)_7 \cup (W_2)_7 \cup (W_3)_7 \right] \cap \left[(W_1)_1 \cup (W_2)_1 \cup (W_3)_1 \cup (W_4)_1 \cup (W_5)_1 \cup (W_6)_1 \right] \right) \cup \\
&\left(\left[(W_1)_7 \cup (W_2)_7 \cup (W_3)_7 \right] \cap \left[(W_1)_0 \cup (W_2)_0 \cup (W_3)_0 \cup (W_4)_0 \cup (W_5)_0 \cup (W_6)_0 \cup (W_7)_0 \cup (W_8)_0 \right] \right) = \\
&= \left(\left[\{23\} \cup \{27\} \cup \{34\} \right] \cap \{20, 26, 31\} \right) \cup \left(\left[\{23\} \cup \{27\} \cup \{34\} \right] \cap \left[\{19\} \cup \{23\} \cup \{34\} \right] \right) \cup \left(\left[\{23\} \cup \{27\} \cup \{34\} \right] \cap \{16, 22, 30\} \right) \cup \left(\left[\{23\} \cup \{27\} \cup \{34\} \right] \cap \left[\{15\} \cup \{19\} \cup \{34\} \right] \right) \cup \left(\left[\{23\} \cup \{27\} \cup \{34\} \right] \cap \left[\{12, 16, 18, 20, 24, 29\} \cup \{15\} \cup \{34\} \right] \right) \cup \left(\left[\{23\} \cup \{27\} \cup \{34\} \right] \cap \left[\{14, 28\} \cup \{11\} \cup \{14\} \cup \{18\} \cup \{22\} \cup \{26\} \right] \right) \cup \left(\left[\{23\} \cup \{27\} \cup \{34\} \right] \cap \left[\{28\} \cup \{29\} \cup \{30\} \cup \{31\} \cup \{32\} \cup \{33\} \cup \{10, 13, 17, 21, 25\} \cup \{11\} \right] \right) = \\
&= \left(\left[\{23\} \cup \{27\} \cup \{34\} \right] \cap \{20, 26, 31\} \right) \cup \left(\left[\{23\} \cup \{27\} \cup \{34\} \right] \cap \left[\{19\} \cup \{23\} \cup \{34\} \right] \right) \cup \left(\left[\{23\} \cup \{27\} \cup \{34\} \right] \cap \{16, 22, 30\} \right) \cup \left(\left[\{23\} \cup \{27\} \cup \{34\} \right] \cap \left[\{15\} \cup \{19\} \cup \{34\} \right] \right) \cup \left(\left[\{23\} \cup \{27\} \cup \{34\} \right] \cap \left[\{12, 16, 18, 20, 24, 29\} \cup \{15\} \cup \{34\} \right] \right) \cup \left(\left[\{23\} \cup \{27\} \cup \{34\} \right] \cap \left[\{14, 28\} \cup \{11\} \cup \{14\} \cup \{18\} \cup \{22\} \cup \{26\} \right] \right) \cup \left(\left[\{23\} \cup \{27\} \cup \{34\} \right] \cap \left[\{28\} \cup \{29\} \cup \{30\} \cup \{31\} \cup \{32\} \cup \{33\} \cup \{10, 13, 17, 21, 25\} \cup \{11\} \right] \right) = \\
&= \left(\{23, 27, 34\} \cap \{20, 26, 31\} \right) \cup \left(\{23, 27, 34\} \cap \{19, 23, 34\} \right) \cup \left(\{23, 27, 34\} \cap \{16, 22, 30\} \right) \cup \left(\{23, 27, 34\} \cap \{15, 19, 34\} \right) \cup \left(\{23, 27, 34\} \cap \{12, 15, 16, 18, 20, 24, 29, 34\} \right) \cup \left(\{23, 27, 34\} \cap \{11, 14, 18, 22, 26, 28\} \right) \cup \\
&\left(\{23, 27, 34\} \cap \{10, 11, 13, 17, 21, 25, 28, 29, 30, 31, 32, 33\} \right) = \emptyset \cup \{23, 34\} \cup \emptyset \cup \{34\} \cup \{34\} \cup \emptyset \cup \emptyset = \{23, 34\}
\end{aligned}$$

Ярус 9:

