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7	7	7	7	7	7	7	7	7
6	6	6	6	6	6	7	7	7
5	5	5	5	5	5	6	7	7
4	0	1	2	3	4	5	6	7
3	0	1	2	2	3	5	6	7
2	0	1	2	2	2	5	6	7
1	0	0	1	1	1	5	6	7
0	0	0	0	0	0	5	6	7
	0	1	2	3	4	5	6	7

7	0	1	2	3	7	7	7	7
6	0	1	2	3	6	7	7	7
5	0	1	2	3	5	6	7	7
4	0	1	2	3	4	5	6	7
3	0	1	2	2	3	3	3	3
2	0	1	2	2	2	2	2	2
1	0	0	1	1	1	1	1	1
0	0	0	0	0	0	0	0	0
	0	1	2	3	4	5	6	7

7	0	1	7	7	7	7	7	7
6	0	1	6	6	6	7	7	7
5	0	1	5	5	5	6	7	7
4	0	1	2	3	4	5	6	7
3	0	1	2	2	3	5	6	7
2	0	1	2	2	2	5	6	7
1	0	0	1	1	1	1	1	1
0	0	0	0	0	0	0	0	0
	0	1	2	3	4	5	6	7

Figure 7: The only three uninorms in L_7 with neutral element 4, smooth underlying operators and idempotent elements $\{0, 2, 4, 7\}$. From top to bottom, the uninorm in \mathcal{U}_{\max} , in \mathcal{U}_{\min} and a uninorm that is not in \mathcal{U}_{\max} nor \mathcal{U}_{\min} .