

Truth Tables for Answered Modal Logic

by Sven Nilsen, 2020

The following tables are using Cubical Binary Code.

and	or	eqb	xor	imply	exc
00 00 => 00	00 00 => 00	00 00 => 01	00 00 => 00	00 00 => 01	00 00 => 00
00 01 => 00	00 01 => 01	00 01 => 00	00 01 => 01	00 01 => 01	00 01 => 00
00 10 => 00	00 10 => 10	00 10 => 11	00 10 => 10	00 10 => 01	00 10 => 00
00 11 => 00	00 11 => 11	00 11 => 10	00 11 => 11	00 11 => 01	00 11 => 00
01 00 => 00	01 00 => 01	01 00 => 00	01 00 => 01	01 00 => 00	01 00 => 01
01 01 => 01	01 01 => 01	01 01 => 01	01 01 => 00	01 01 => 01	01 01 => 00
01 10 => 10	01 10 => 01	01 10 => 10	01 10 => 11	01 10 => 10	01 10 => 11
01 11 => 11	01 11 => 01	01 11 => 11	01 11 => 10	01 11 => 11	01 11 => 10
10 00 => 00	10 00 => 10	10 00 => 11	10 00 => 10	10 00 => 11	10 00 => 10
10 01 => 10	10 01 => 01	10 01 => 10	10 01 => 11	10 01 => 01	10 01 => 00
10 10 => 10	10 10 => 10	10 10 => 11	10 10 => 10	10 10 => 11	10 10 => 10
10 11 => 10	10 11 => 11	10 11 => 10	10 11 => 11	10 11 => 11	10 11 => 10
11 00 => 00	11 00 => 11	11 00 => 10	11 00 => 11	11 00 => 10	11 00 => 11
11 01 => 11	11 01 => 01	11 01 => 11	11 01 => 10	11 01 => 01	11 01 => 00
11 10 => 10	11 10 => 11	11 10 => 10	11 10 => 11	11 10 => 10	11 10 => 11
11 11 => 11	11 11 => 11	11 11 => 11	11 11 => 10	11 11 => 11	11 11 => 10

and[¬]	or[¬]	eqb[¬]	eqb[¬]	imply[¬]	exc[¬]
00 00 => 00	00 00 => 00	00 00 => 01	00 00 => 00	00 00 => 01	00 00 => 00
00 01 => 00	00 01 => 01	00 01 => 00	00 01 => 01	00 01 => 01	00 01 => 00
00 10 => 10	00 10 => 00	00 10 => 01	00 10 => 00	00 10 => 01	00 10 => 00
00 11 => 00	00 11 => 11	00 11 => 00	00 11 => 01	00 11 => 11	00 11 => 10
01 00 => 00	01 00 => 01	01 00 => 00	01 00 => 01	01 00 => 00	01 00 => 01
01 01 => 01	01 01 => 01	01 01 => 01	01 01 => 00	01 01 => 01	01 01 => 00
01 10 => 10	01 10 => 01	01 10 => 00	01 10 => 01	01 10 => 00	01 10 => 01
01 11 => 01	01 11 => 11	01 11 => 01	01 11 => 00	01 11 => 11	01 11 => 10
10 00 => 10	10 00 => 00	10 00 => 01	10 00 => 00	10 00 => 11	10 00 => 10
10 01 => 10	10 01 => 01	10 01 => 00	10 01 => 01	10 01 => 11	10 01 => 10
10 10 => 10	10 10 => 10	10 10 => 11	10 10 => 10	10 10 => 11	10 10 => 10
10 11 => 10	10 11 => 11	10 11 => 10	10 11 => 11	10 11 => 11	10 11 => 10
11 00 => 00	11 00 => 11	11 00 => 00	11 00 => 01	11 00 => 00	11 00 => 01
11 01 => 01	11 01 => 11	11 01 => 01	11 01 => 00	11 01 => 01	11 01 => 00
11 10 => 10	11 10 => 11	11 10 => 10	11 10 => 11	11 10 => 10	11 10 => 11
11 11 => 11	11 11 => 11	11 11 => 11	11 11 => 10	11 11 => 11	11 11 => 10