

Syntax and Opcodes

| HW-OP | ASM | Compiler | binary |
|-------------------------|--------------------|---------------------|--------|
| PT | | | |
| OP_PREVIOUSLY | previous/yesterday | Y | 01000 |
| OP_EVENTUALLY | once | O | 01001 |
| OP_ALWAYS | historically | H | 01010 |
| OP_SINCE | since | S | 01110 |
| MTL-PT | | | |
| OP_MTL_BOXBOX | boxbox | H[t] | 10001 |
| OP_MTL_DIAMONDDIAMOND | diamonddiamond | O[t] | 01111 |
| OP_MTL_BOXDOT | boxdot | H[t1,t2] | 10010 |
| OP_MTL_DIAMONDDOT | diamonddot | O[t1,t2] | 10000 |
| OP_MTL_SINCE | since | S[t1,t2] | 10011 |
| FT (only opcodes + end) | | | |
| OP_FT_NOT | not | ! | 10100 |
| OP_FT_AND | and | & | 10101 |
| — | or | | N/A |
| OP_FT_IMPLICIT | impl | -> | 11011 |
| OP_FT_BOXBOX | boxbox | G[t] | 10110 |
| OP_FT_DIAMONDDIAMOND | diamonddiamond | F[t] | 11000 |
| OP_FT_BOXDOT | boxdot | G[t1,t2] | 10111 |
| OP_FT_DIAMONDDOT | diamonddot | F[t1,t2] | 11001 |
| OP_FT_UNTIL | until | U[t1,t2] | 11010 |
| — | release | R[t1,t2] | N/A |
| BOOL | | | |
| OP_NOT | not | ! | 00011 |
| OP_AND | and | & | 00100 |
| OP_OR | or | | 00101 |
| OP_IMPLICIT | impl | -> | 00110 |
| OP_EQUIVALENT | equ | <-> | 00111 |
| MISC | | | |
| OP_TRUE | true | true | 00001 |
| OP_FALSE | false | false | 00000 |
| OP_NOP | N/A | N/A | 11110 |
| OP_START | re | up | 01011 |
| OP_END | fe | down | 01100 |
| OP_END_SEQUENCE | end | N/A | 11111 |
| PSEUDO | | | |
| N/A | mapping | map NAME = NUMBER | |
| N/A | BN mapping | lmap NAME = NUMBER | |
| N/A | logic | logic(pt) | |
| N/A | logic | logic(ft) | |
| N/A | comment | -- or % or # to EOL | |
| N/A | end-of-formula | . | |