```
(A and B) or C
TTT->T
TTF \rightarrow T
TFT \rightarrow T
FTT->T
TFF \rightarrow F
FTF \rightarrow F
FFT \rightarrow T
FFF->F
2 raised to the power 3 as there are only two choices for each variable
8
A and (B or C)
TTT -> T
TTF \rightarrow T
TFT \rightarrow T
```

 $FTT \rightarrow F$

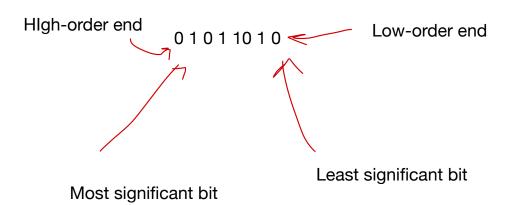
 $TFF \rightarrow F$ FTF->F FFT->F

FFF->F

evaluation

Precedence makes a major difference to the

0000 binary -> ?? hex 0x0 1111 binary -> ?? hex 0xF 1001 binary -> ?? hex 0x9



5 5/8 in binary????

 $\ensuremath{\mathsf{0101}}$. one-half one-quarter one-eighth one-sixteenth

.1010

2^3 2^2 2^1 2^0 2^-1 2^-2 2^-3 2^-4

Two's complement notation

000

0.11 -> 3

0 1 0 -> 2

0 0 1 -> 1 0 0 0 -> 0

1 1 1 -> -1 1 1 0 -> -2

1 0 1 -> -3 1 0 0 -> -4

0 -> -

-6 decimal in two's complement

0 1 1 0 = +6

1 0 0 1. complement 1. + 1

1 0 1 0 = -6

