

Table of immediates in the Valhall ISA

Index	Value	Description
0	0x00000000	Zero
1	0xFFFFFFFF	All ones; integer -1
2	0x7FFFFFFF	Maximum integer; floating-point NaN
3	0xFAFCDFE	Integers $(-2, -3, -4, -5)$
4	0x01000000	16-bit integer 2^8
5	0x80002000	Multiples of 16 (0, 32, 0, 128)
6	0x70605030	Multiples of 16 (48, 80, 96, 112)
7	0xCOB0A090	Multiples of 16 (144, 160, 176, 192)
8	0x03020100	Integers (0, 1, 2, 3)
9	0x07060504	Integers (4, 5, 6, 7)
10	0x0B0A0908	Integers (8, 9, 10, 11)
11	0x0F0E0D0C	Integers (12, 13, 14, 15)
12	0x13121110	Integers (16, 17, 18, 19)
13	0x17161514	Integers (20, 21, 22, 23)
14	0x1B1A1918	Integers (24, 25, 26, 27)
15	0x1F1E1D1C	Integers (28, 29, 30, 31)
16	0x3F800000	Float 1.0
17	0x3DCCCCCD	Float 0.1
18	0x3EA2F983	Float $1/\pi$
19	0x3F317218	Float $\log(2)$
20	0x40490FDB	Float π
21	0x00000000	Float 0.0
22	0x477FFF00	Float $65535.0 = 2^{16} - 1$
23	0x5C005BF8	Half-float (255.0, 256.0) = $(2^8 - 1, 2^8)$
24	0x2E660000	Half-float 0.1 = $1/10$
25	0x34000000	Half-float 0.25 = 2^{-2}
26	0x38000000	Half-float 0.5 = 2^{-1}
27	0x3C000000	Half-float 1.0 = 2^0
28	0x40000000	Half-float 2.0 = 2^1
29	0x44000000	Half-float 4.0 = 2^2
30	0x48000000	Half-float 8.0 = 2^3
31	0x42480000	Half-float π