v3/crypto.pro demo

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For help, use ?- help(Topic). or ?- apropos(Word).
?- consult('v3/crypto.pro').
true.
?- crypto(2,4,8,16,32,6,X).
X = ex(ex(16, -, ex(2, +, 4)), -, ex(32, /, 8));
X = ex(16, -, ex(ex(2, +, 4), +, ex(32, /, 8)));
X = ex(ex(16, -, ex(32, /, 8)), -, ex(2, +, 4));
X = ex(ex(16, -, ex(2, +, 4)), -, ex(32, /, 8));
X = ex(ex(ex(2, *, 4), +, 16), /, ex(32, /, 8));
X = ex(ex(8, +, 16), /, ex(32, /, ex(2, *, 4)));
X = ex(ex(ex(2, *, 4), *, ex(8, +, 16)), /, 32);
X = ex(ex(8, *, ex(ex(2, *, 4), +, 16)), /, 32);
X = ex(ex(16, /, ex(2, *, 4)), +, ex(32, /, 8));
X = ex(ex(16, /, 8), +, ex(32, /, ex(2, *, 4)));
X = ex(ex(16, +, ex(2, *, 4)), /, ex(32, /, 8)).
?- crypto(0,0,0,0,4,4,X).
X = ex(ex(ex(0, +, 0), +, 0), +, ex(4, +, 0));
X = ex(ex(0, +, ex(0, +, 0)), +, ex(4, +, 0));
X = ex(ex(0, +, 0), +, ex(4, +, ex(0, +, 0)));
X = ex(ex(0, +, 0), +, ex(4, +, ex(0, +, 0)));
X = ex(0, +, ex(4, +, ex(ex(0, +, 0), +, 0)));
X = ex(0, +, ex(4, +, ex(0, +, ex(0, +, 0))));
X = ex(ex(4, +, ex(0, +, 0)), -, ex(0, +, 0));
X = ex(ex(4, +, 0), -, ex(ex(0, +, 0), +, 0));
X = ex(ex(4, +, 0), -, ex(0, +, ex(0, +, 0)));
X = ex(ex(4, +, ex(0, +, 0)), -, ex(0, +, 0));
X = ex(ex(4, +, ex(ex(0, +, 0), +, 0)), -, 0);
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 X = ex(ex(4, +, ex(0, +, ex(0, +, 0))), -, 0);   X = ex(ex(ex(0, +, 0), +, 0), +, ex(4, -, 0)).   ?- crypto(0,0,0,0,4,1,X).   false.
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?- halt.