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<pre>function Data alu(Data a, Data b, AluFunc func); Data res = case(func) Add : (a + b); Sub : (a - b); And : (a & b); Or : (a b); Vor : (a ^ b); Sit : zeroExtend(pack(signedLT(a, b))); Situ : zeroExtend(pack(a < b)); LShift: (a << b[4:0]); Sra : signedShiftRight(a, b[4:0]); endcase; return res; endfunction</pre>		
September 11, 2015	http://csg.csail.mi	t.edu/6.175



