library ieee;

use ieee.std\_logic\_1164.all;

entity mult4x1 is

port (

e0, e1, e2, less: in std\_logic;

operation: out std\_logic

);

end mult4x1;

architecture arch\_mult4x1 of mult4x1 is

begin

with operation select

s <= e0 when '000',

s <= e1 when '001',

s <= e2 when '010' or '011',

less when others;

end arch\_mult4x1;