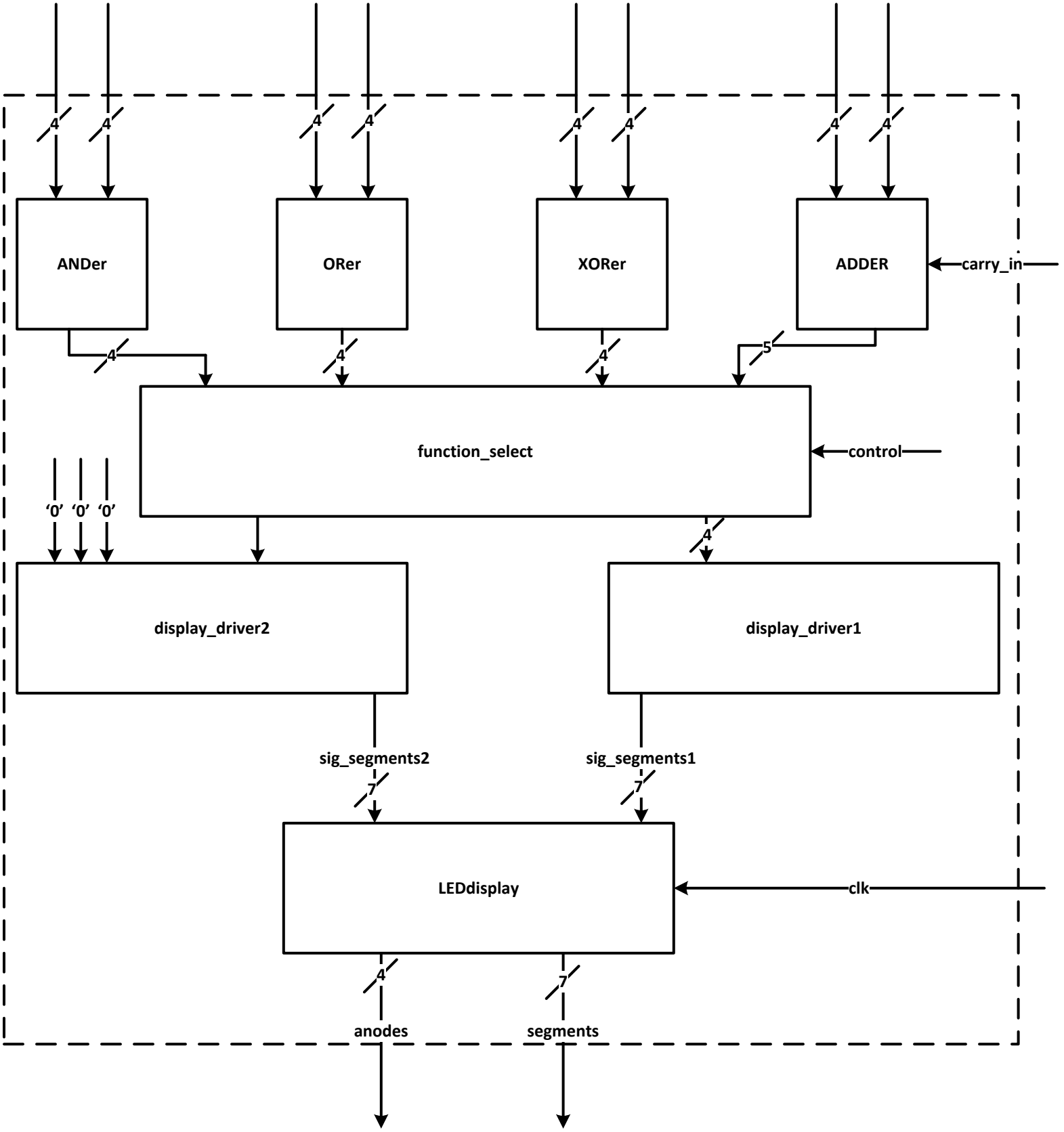
# ALU




**Inputs:** SW<0>, SW<1>, …, SW<7>, carry_in, clk, control
**Outputs:** segments<0>, segments<1>, …, segments<6>, anodes<0>, anodes<1>,…,anodes<3>
**Internal signals:** out_and, out_or, out_xor, out_adder, out_select, sig_segments1, sig_segments2