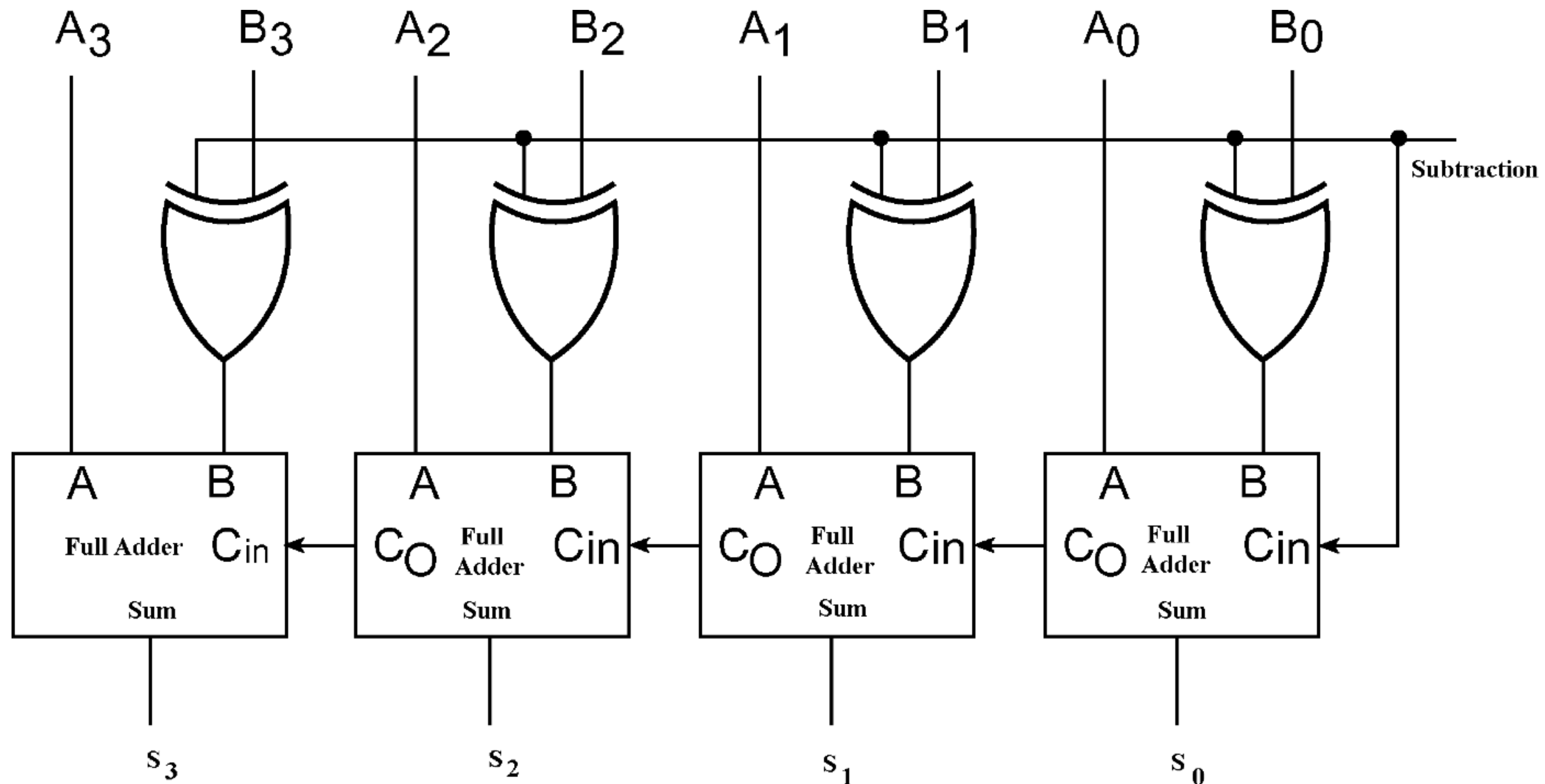


Adding or subtracting 4 bits

Can select which operation to use. Inverting bits means negating



Multiplexer (MUX)

- Use input bits to select which bit to output
- Example: s_1 and s_2 are two bits, so we have $2^2 = 4$ choices between which inputs we want to display
- In general, need $\log_2(n)$ bits of input to select among n outputs

