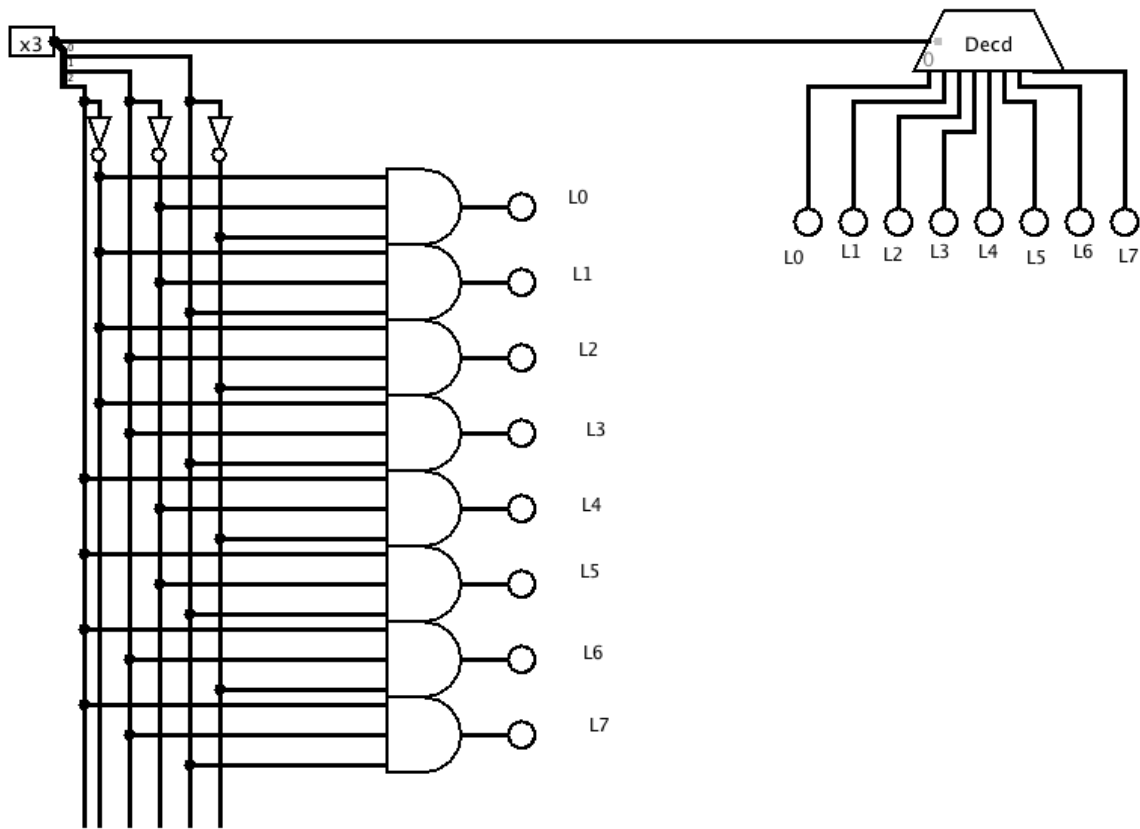
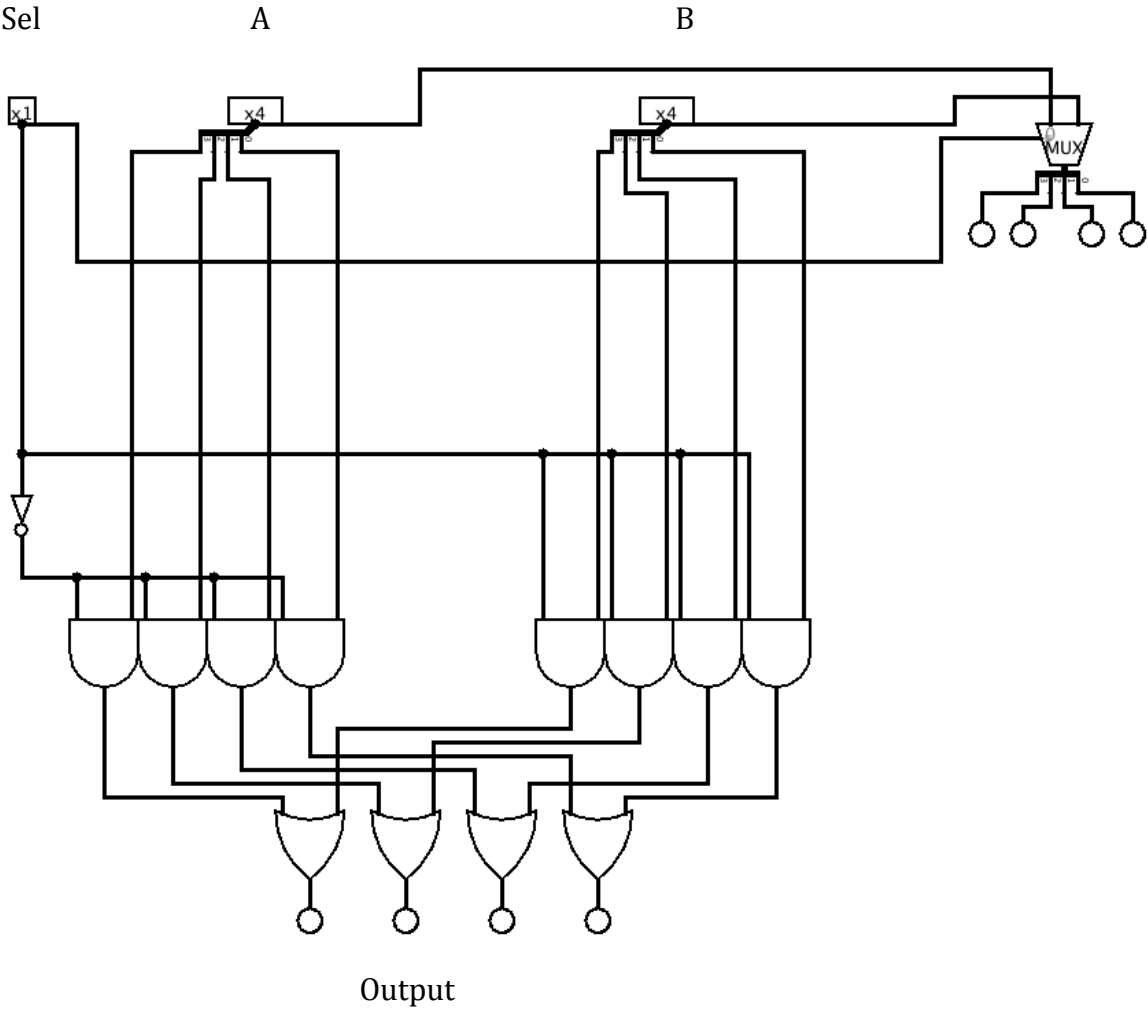


Octal Decoder



Multiplexer



Tiny ALU

OP

A

Not

INC

| A | NOT | INC | Out |
|---|-----|-----|--|
| k | 0 | 0 | k |
| k | 0 | 1 | If $(k=2^7)$ then $(k+1)-2^8$ else $(k+1)$ |
| k | 1 | 0 | Bw not k |
| k | 1 | 1 | -k |