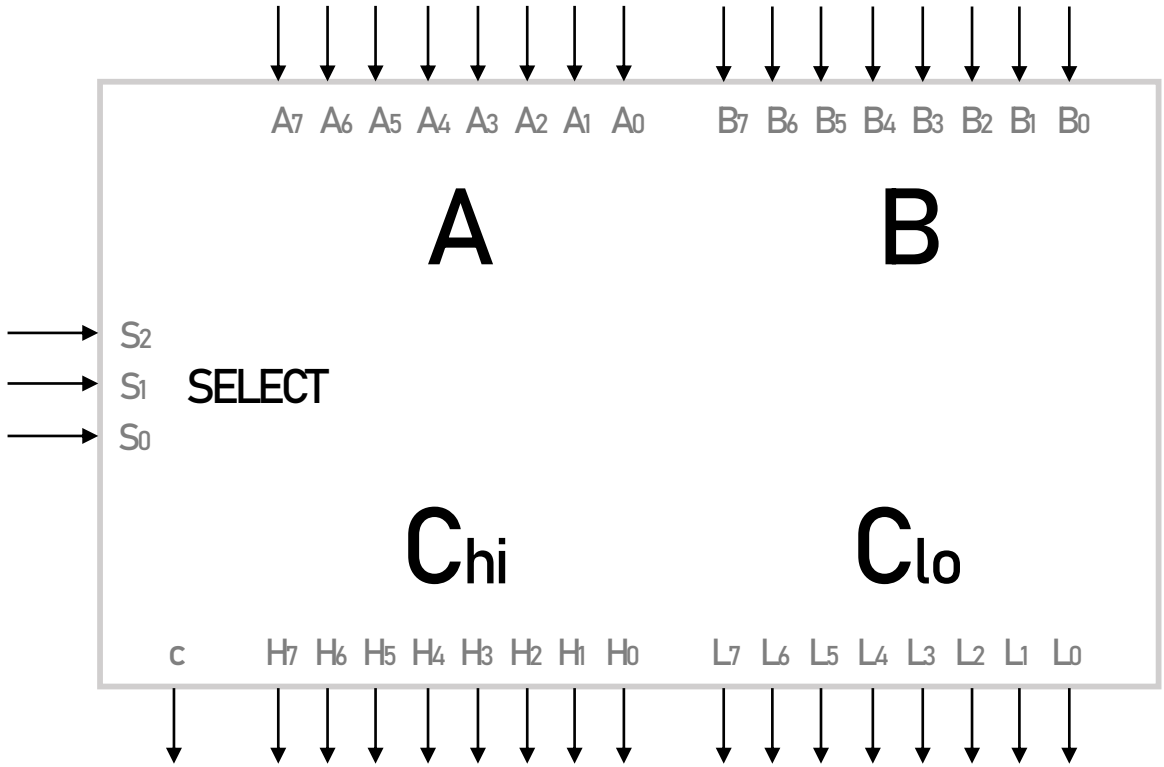
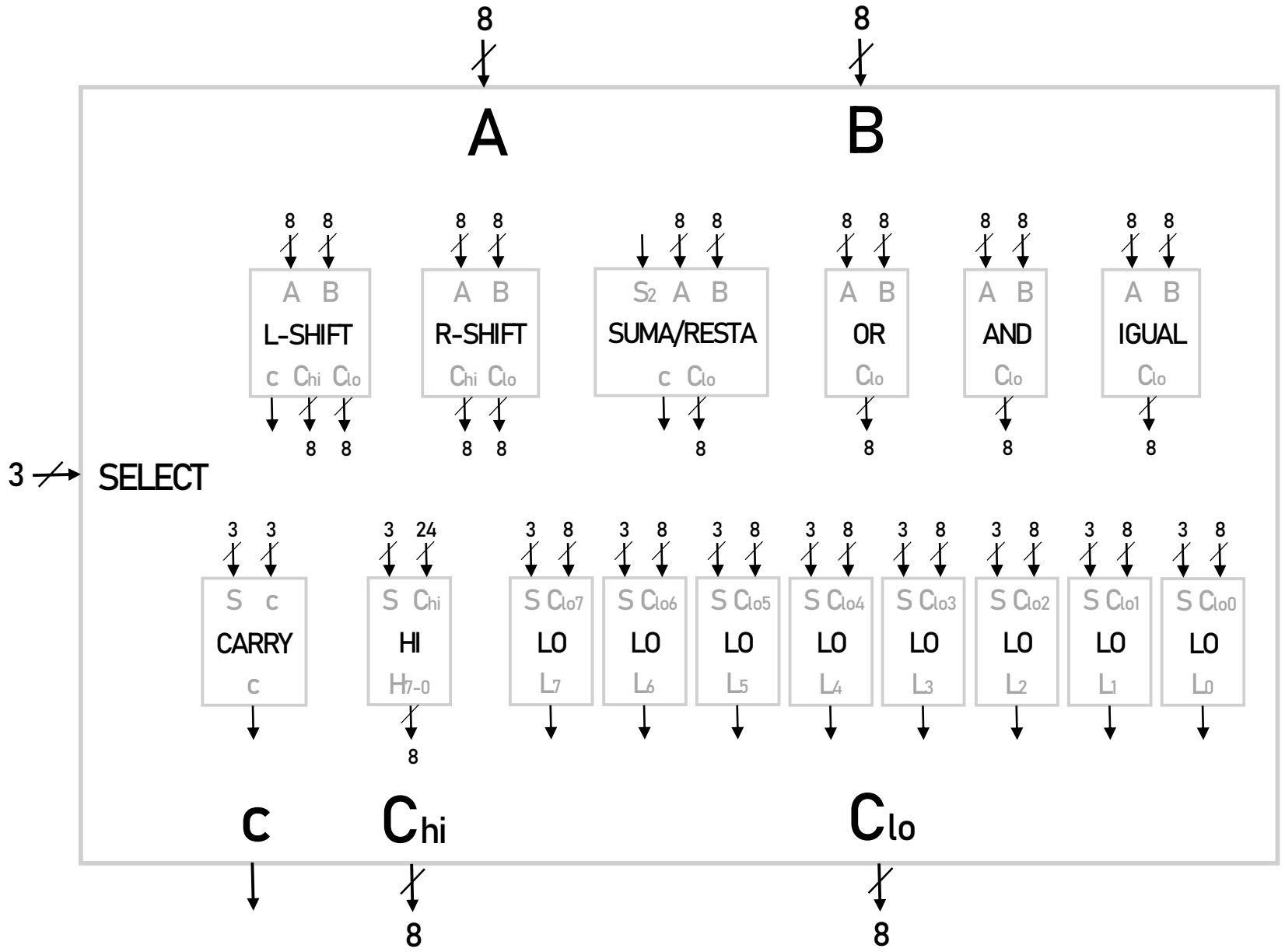
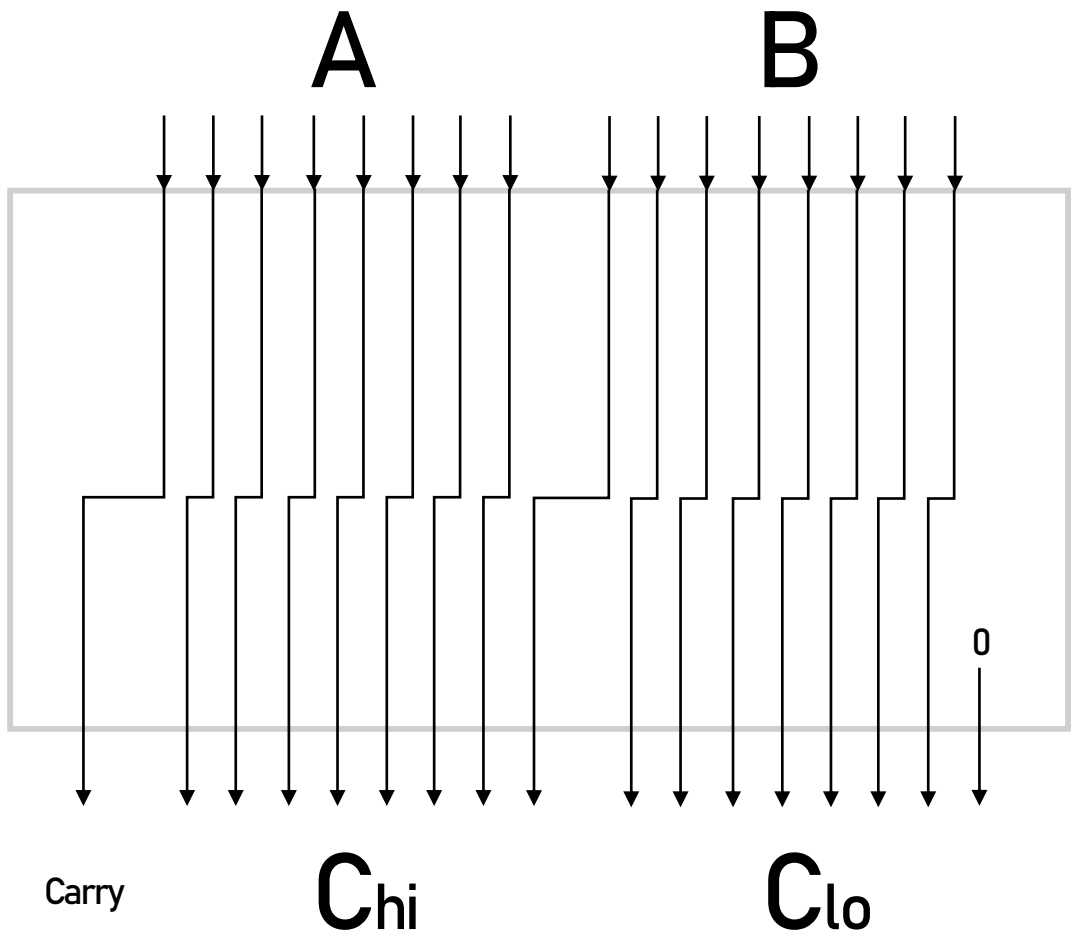
DISEÑO CPU

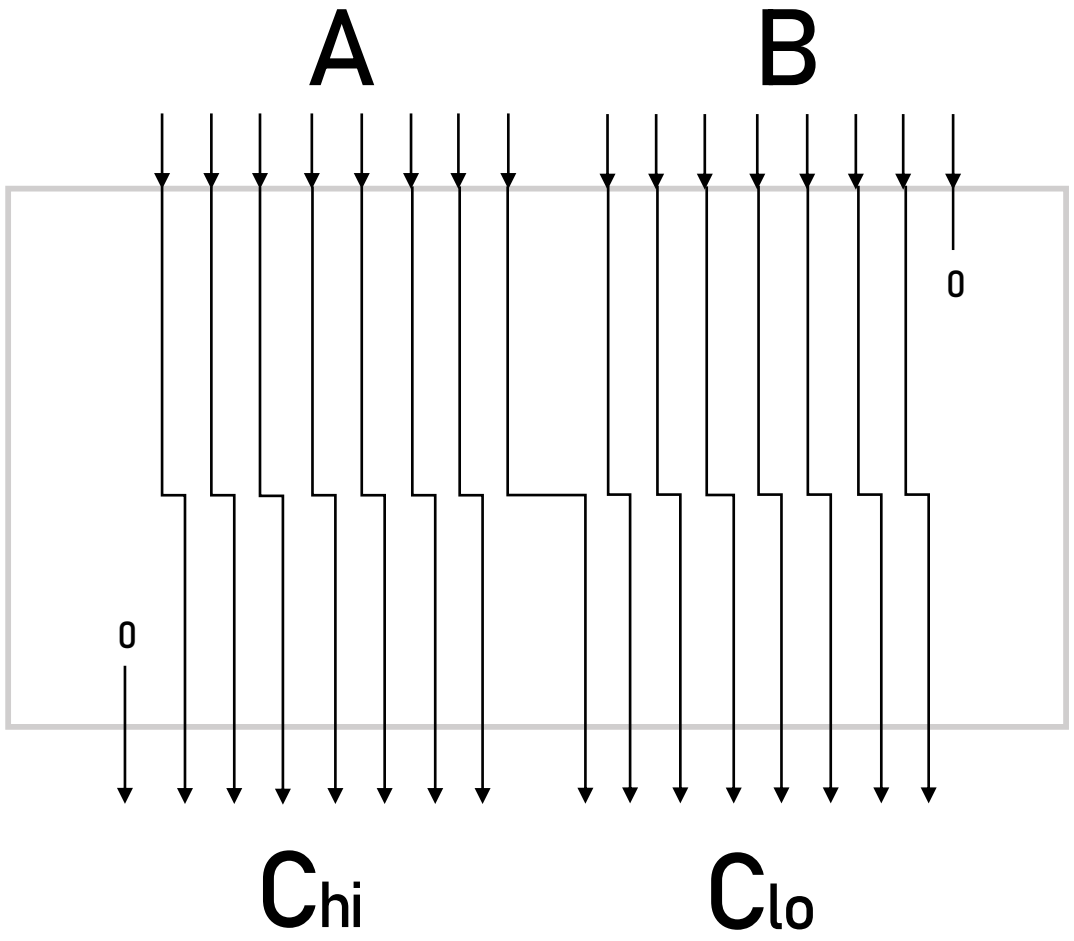

A7 A6 A5 A4 A3 A2 A1 A0
B7 B6 B5 B4 B3 B2 B1 B0
A
B
S2
S1
S0
SELECT
Chi
Clo
c
H7 H6 H5 H4 H3 H2 H1 H0
L7 L6 L5 L4 L3 L2 L1 L0


8
8
A
B
A B
L-SHIFT
c Chi Clo
A B
R-SHIFT
Chi Clo
S2 A B
SUMA/RESTA
c Clo
A B
OR
Clo
A B
AND
Clo
A B
IGUAL
Clo
3
SELECT
S c
CARRY
c
S Chi
HI
H7-0
S Clo7
LO
L7
S Clo6
LO
L6
S Clo5
LO
L5
S Clo4
LO
L4
S Clo3
LO
L3
S Clo2
LO
L2
S Clo1
LO
L1
S Clo0
LO
L0
c
Chi
Clo

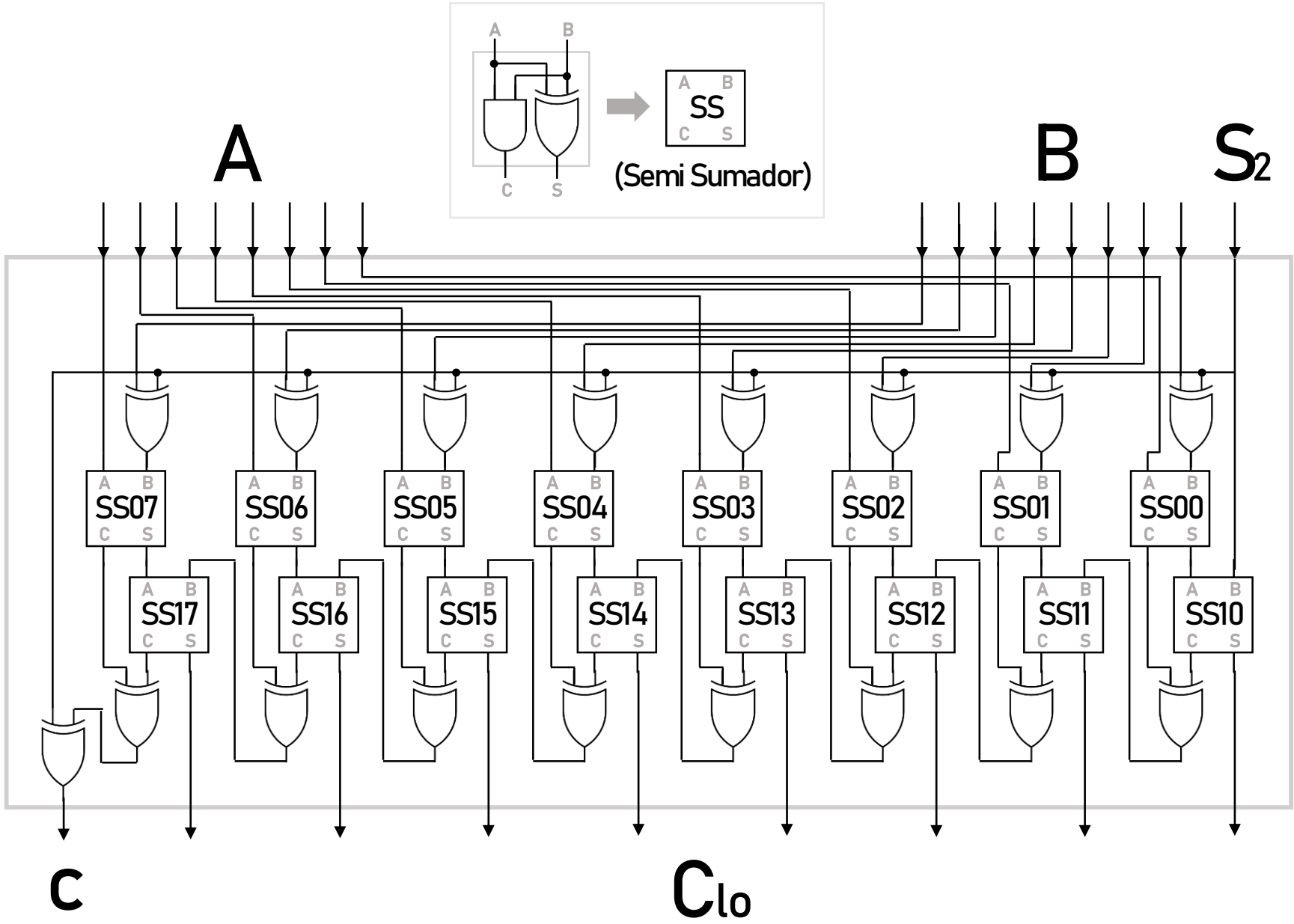
L-SHIFT



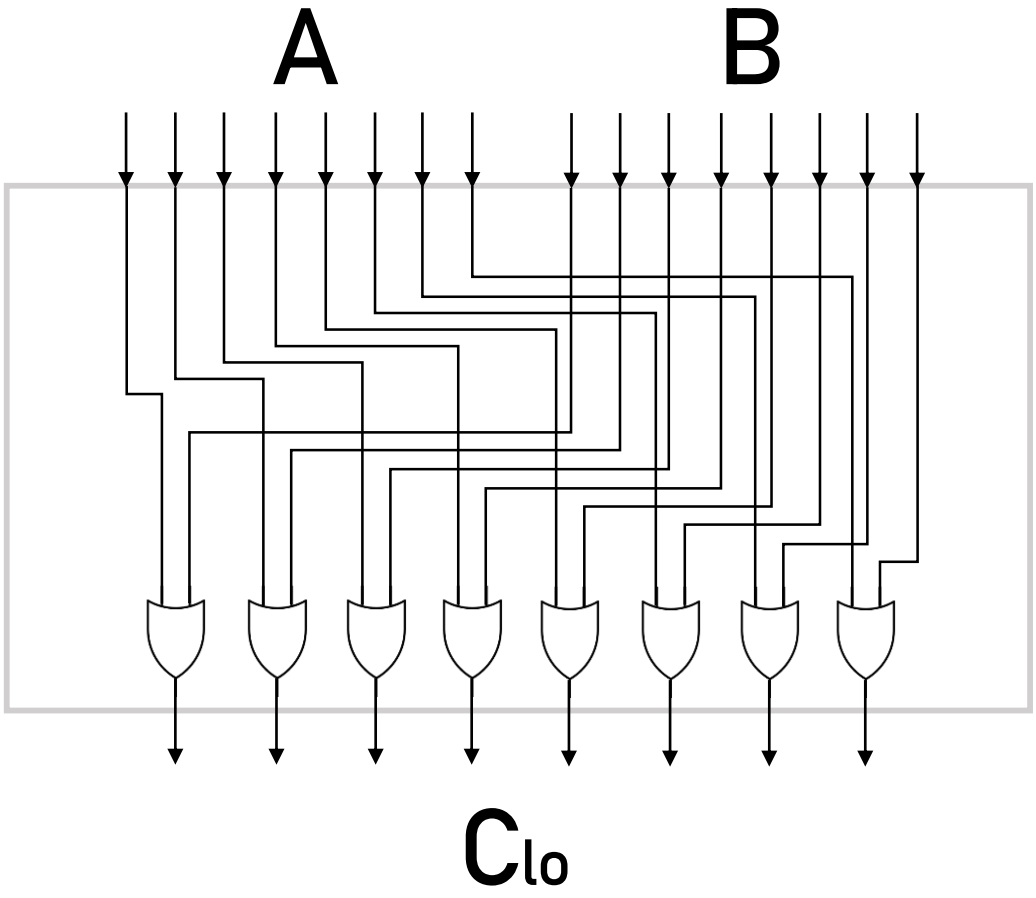
R-SHIFT



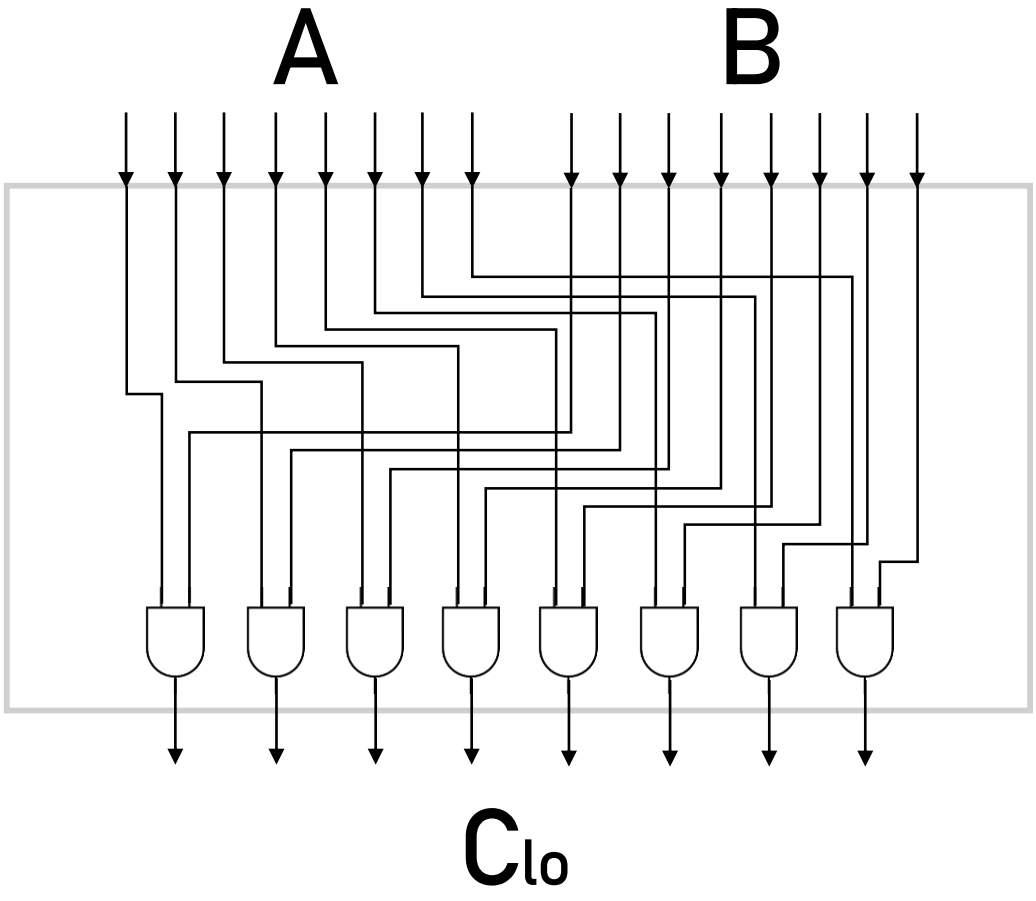
SUMA/RESTA


A
B
S2
(Semi Sumador)
SS
SS07
SS06
SS05
SS04
SS03
SS02
SS01
SS00
SS17
SS16
SS15
SS14
SS13
SS12
SS11
SS10
c
Clo

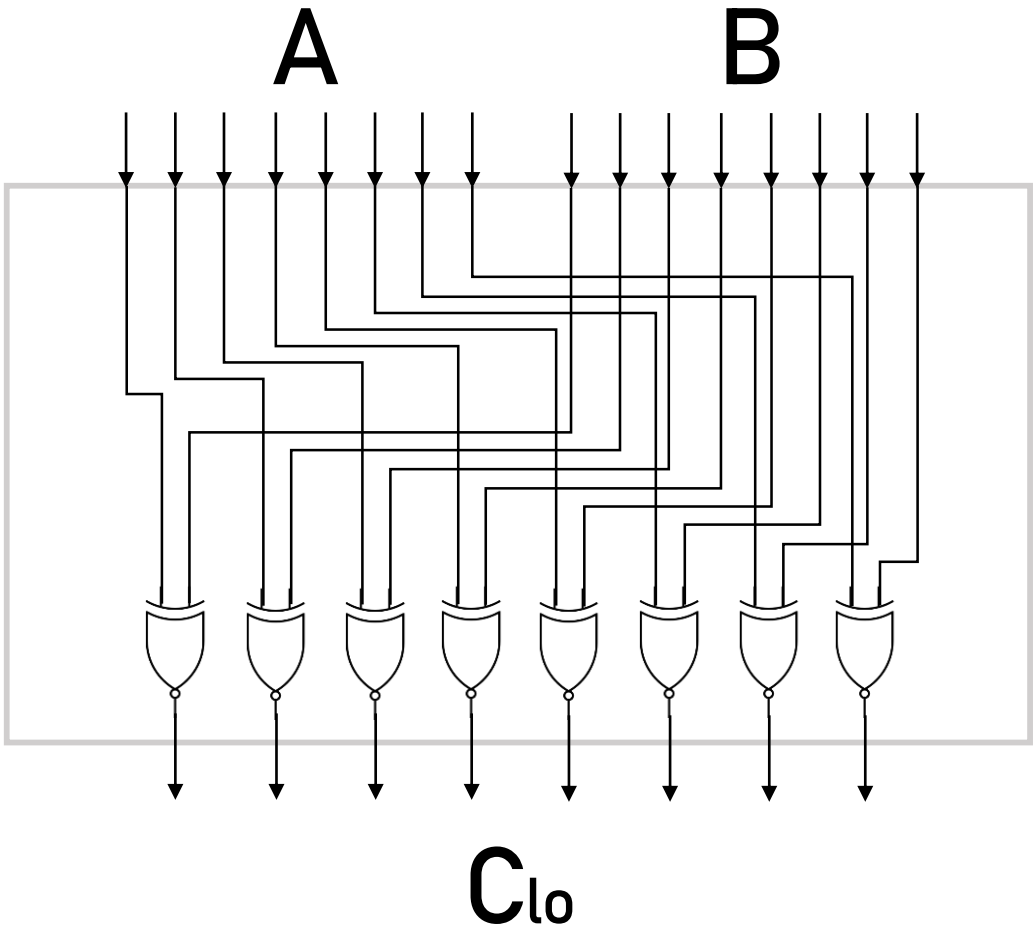
OR



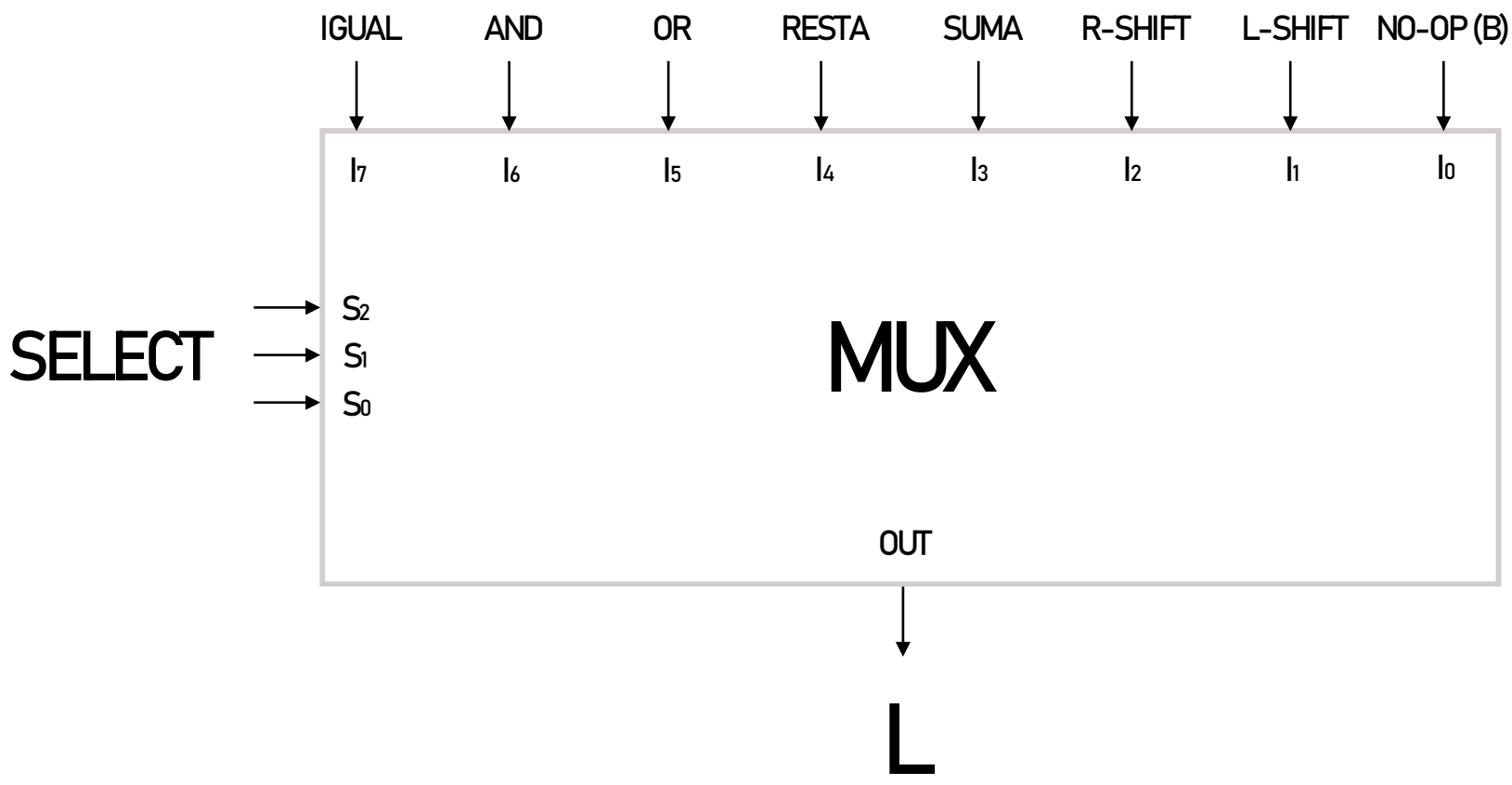
AND

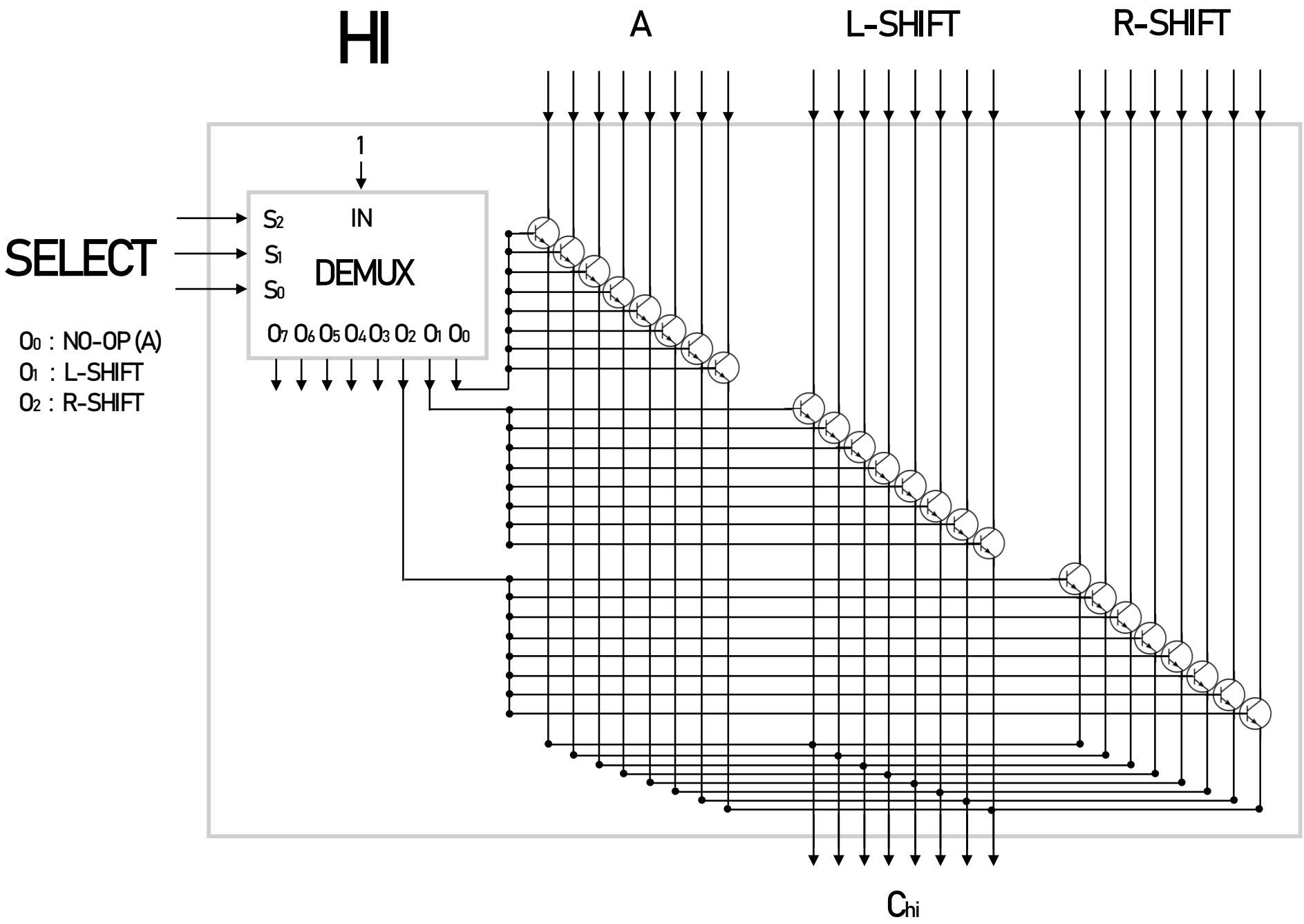


IGUAL

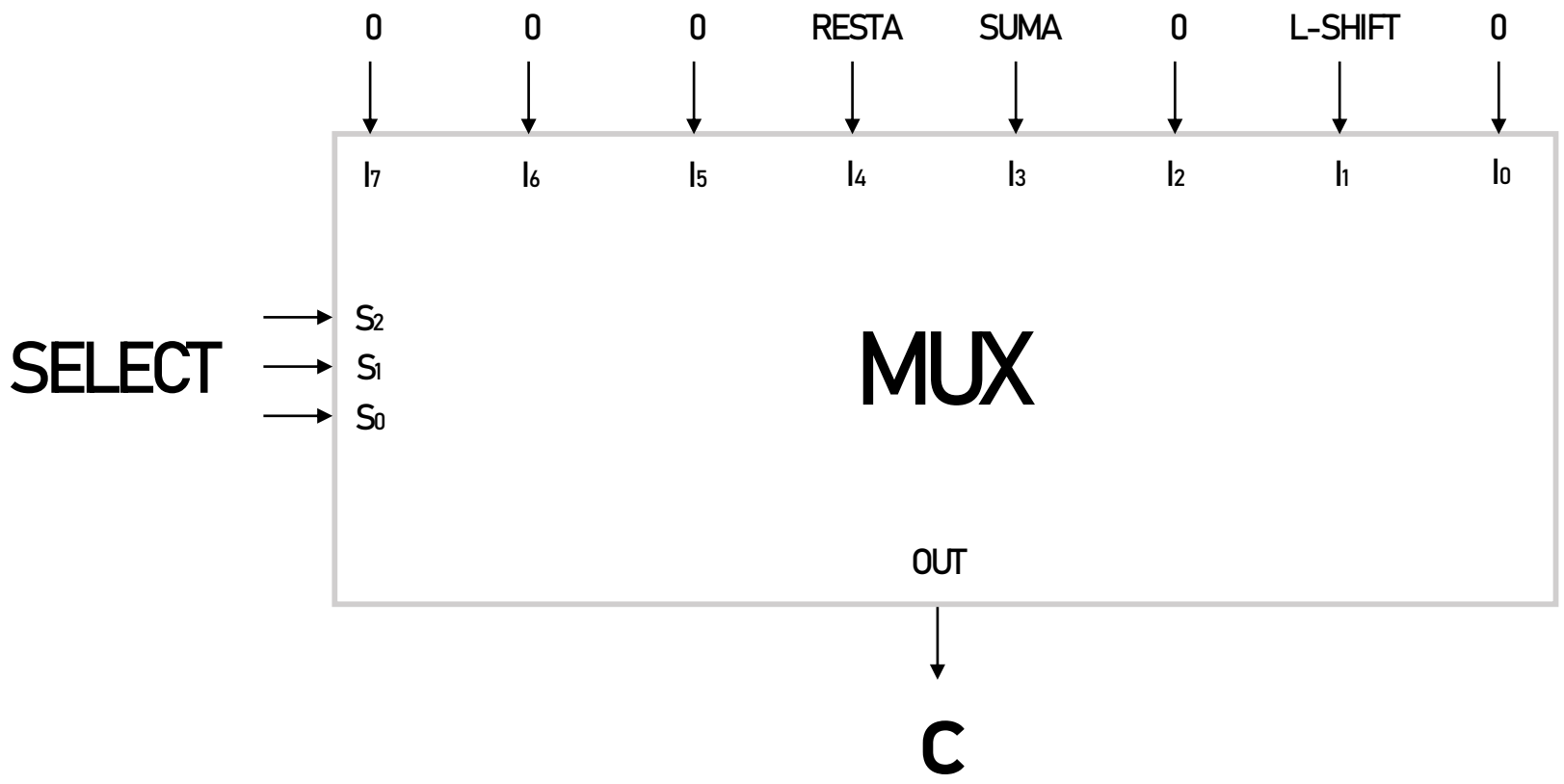


LO


IGUAL
AND
OR
RESTA
SUMA
R-SHIFT
L-SHIFT
NO-OP (B)
I7
I6
I5
I4
I3
I2
I1
I0
SELECT
S2
S1
S0
MUX
OUT
L


HI
A
L-SHIFT
R-SHIFT
1
IN
S2
S1
S0
DEMUX
O7 O6 O5 O4 O3 O2 O1 O0
SELECT
O0 : NO-OP (A)
O1 : L-SHIFT
O2 : R-SHIFT
Chi

CARRY


0
0
0
RESTA
SUMA
0
L-SHIFT
0
I7
I6
I5
I4
I3
I2
I1
I0
SELECT
S2
S1
S0
MUX
OUT
C