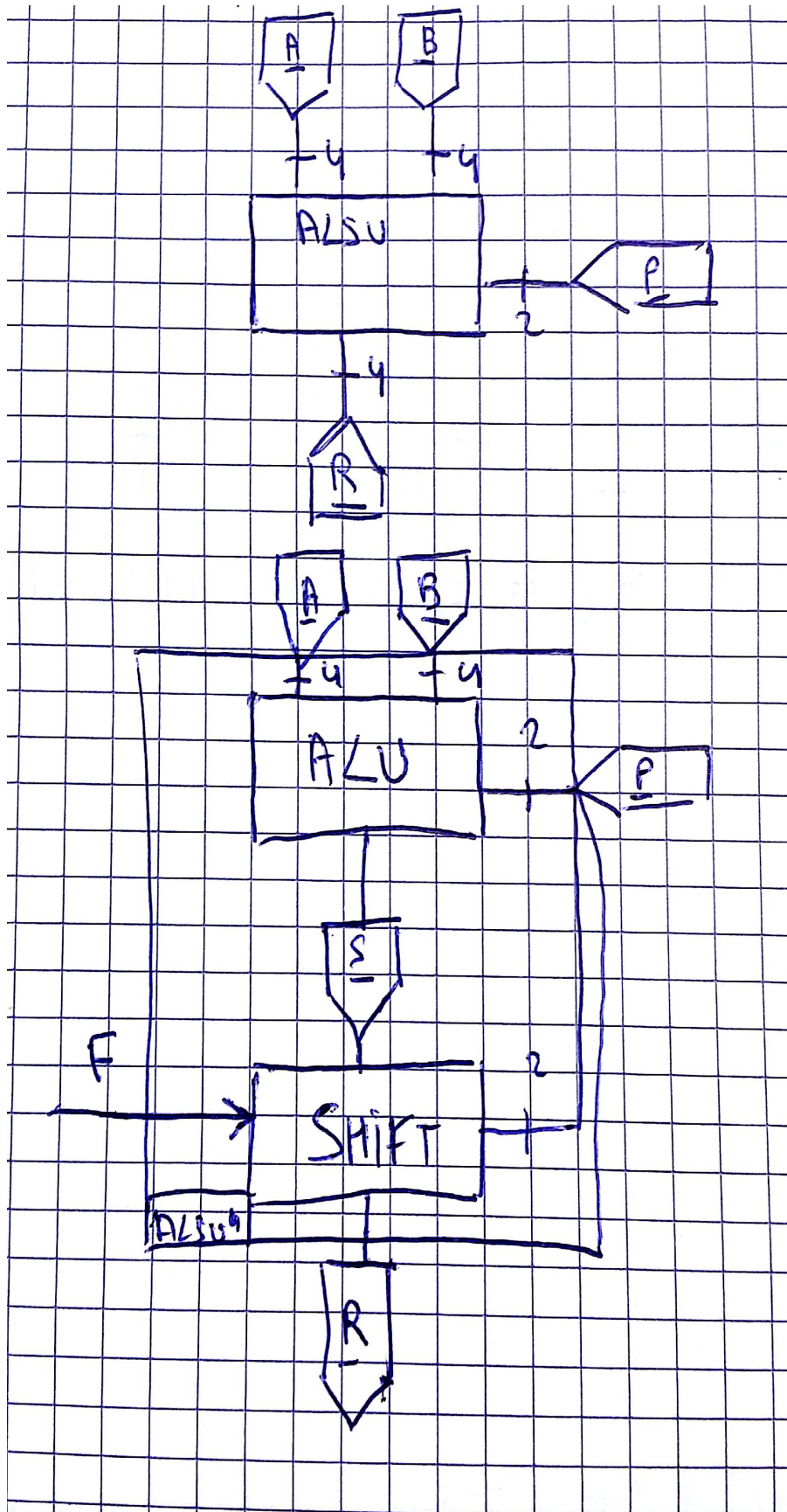
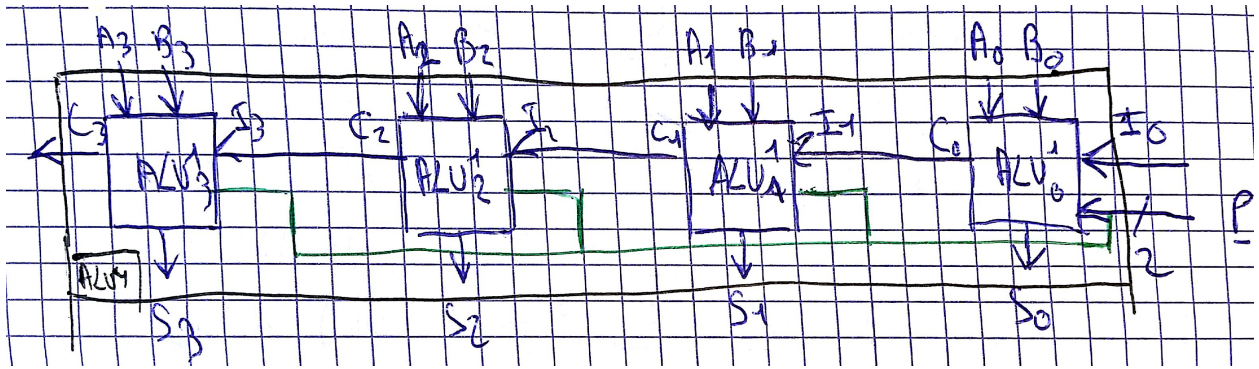


1 Exercice 1

- Soustraction : *add* ; NOT
- Multiplication : *add* ; Décalage à gauche (SL) (\Rightarrow Addition $x+x$)
- Division : *add* ; *SR* ; AND
- SL : *add*
- NOT, OR, AND : *NAND*

2 Exercice 2





P1P0\ABI	000	001	011	010	110	111	101	100
00	0	0	1	1	1	1	0	0
01	0	0	0	0	1	1	1	1
11	0	1	0	1	0	1	0	1
10	1	1	1	1	0	0	1	1

$$S = \overline{P_1}P_0B + \overline{P_1}P_0A + P_1\overline{P_0}A + P_1\overline{P_0}B + P_1\overline{A}B + P_1\overline{A}B + P_0AB + P_1\overline{A}B$$

i\AB	00	01	11	10
0	0	0	1	0
1	0	1	1	1

$$S = AB + IB + IA$$

2.1 2.3

