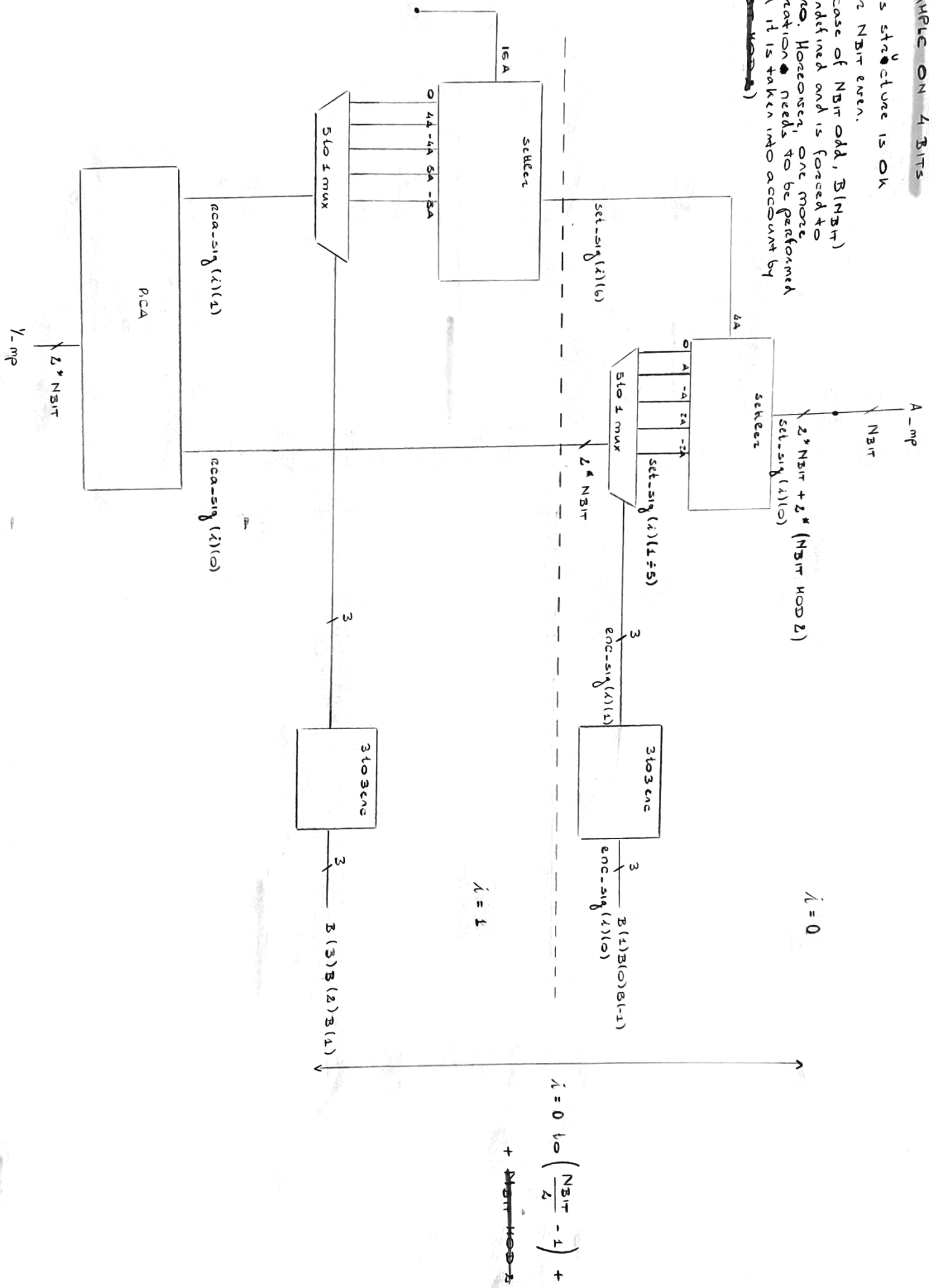


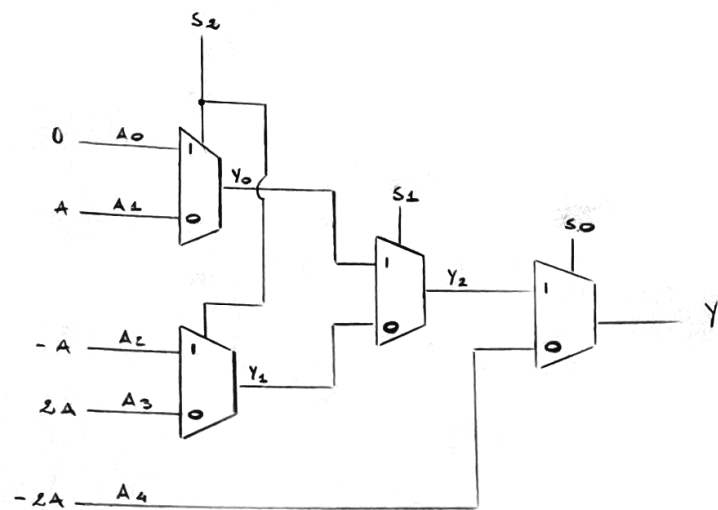
EXAMPLE ON 4 BITS

(This structure is OK for NBit even.)

In case of NBit odd, $B(N_{Bit})$ is undefined and is forced to zero. Moreover, one more iteration needs to be performed and it is taken into account by ~~Not needed~~



MUX 5 to 1



S_2	S_1	S_0	Y
1	1	1	0
0	1	1	A
1	0	1	-A
0	0	1	2A
-	-	0	-2A

ENCODER 3 to 3

$B(i+1)$	$B(i)$	$B(i-1)$	$S_2 S_1 S_0$	
0	0	0	1 1 1	0
0	0	1	0 1 1	A
0	1	0	0 1 1	A
0	1	1	0 0 1	2A
1	0	0	- - 0	-2A
1	0	1	1 0 1	-A
1	1	0	1 0 1	-A
1	1	1	1 1 1	0

[110]

SETTLER

