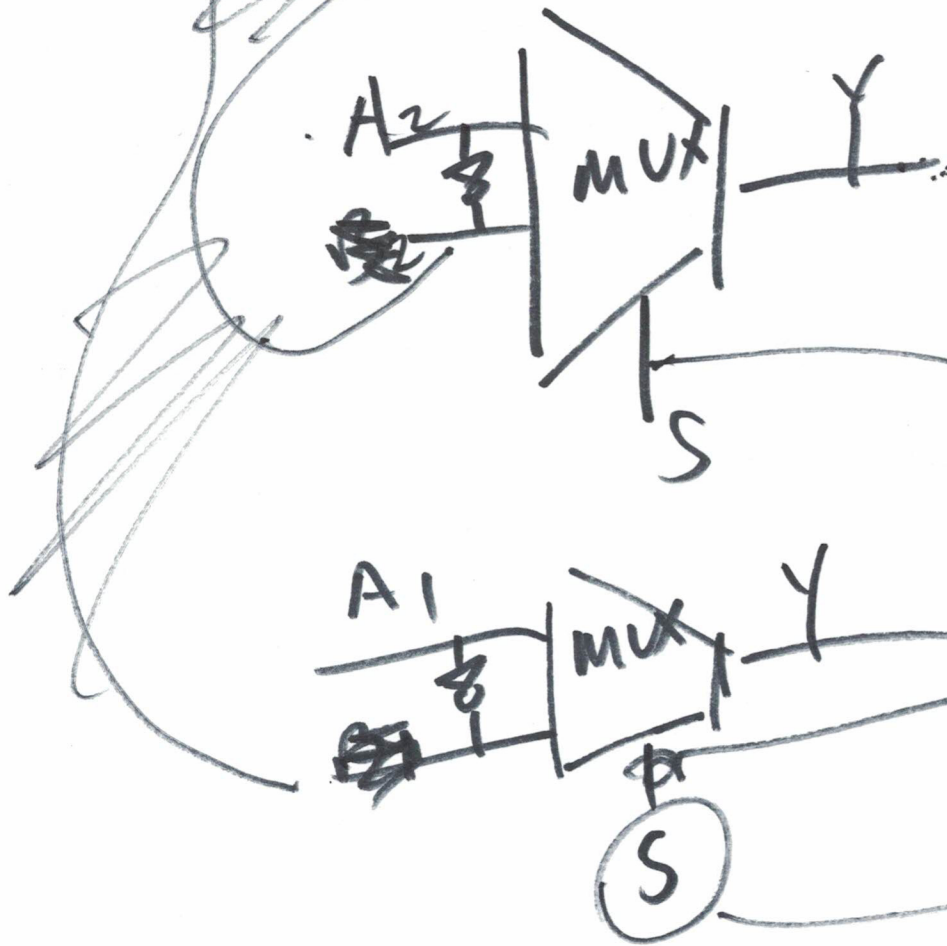


$\sim \boxed{S/H}$

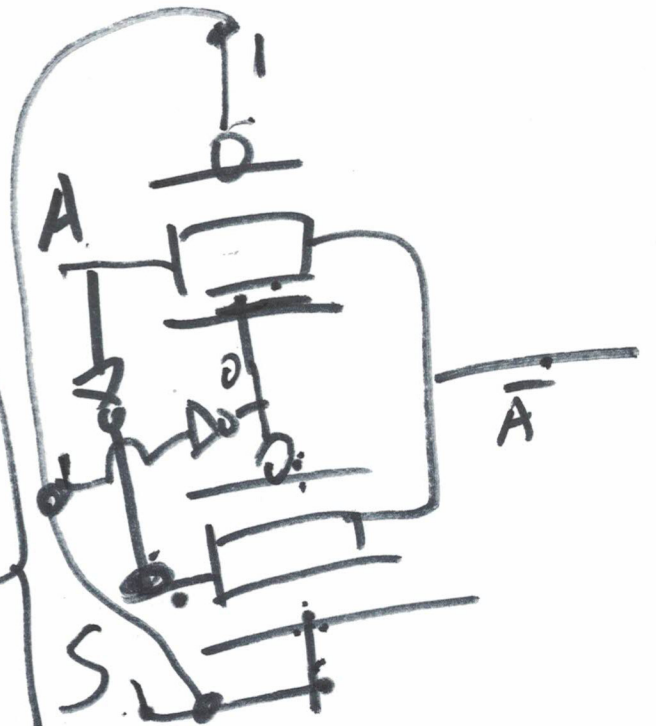
~~$B_2 B_1 B_0$~~

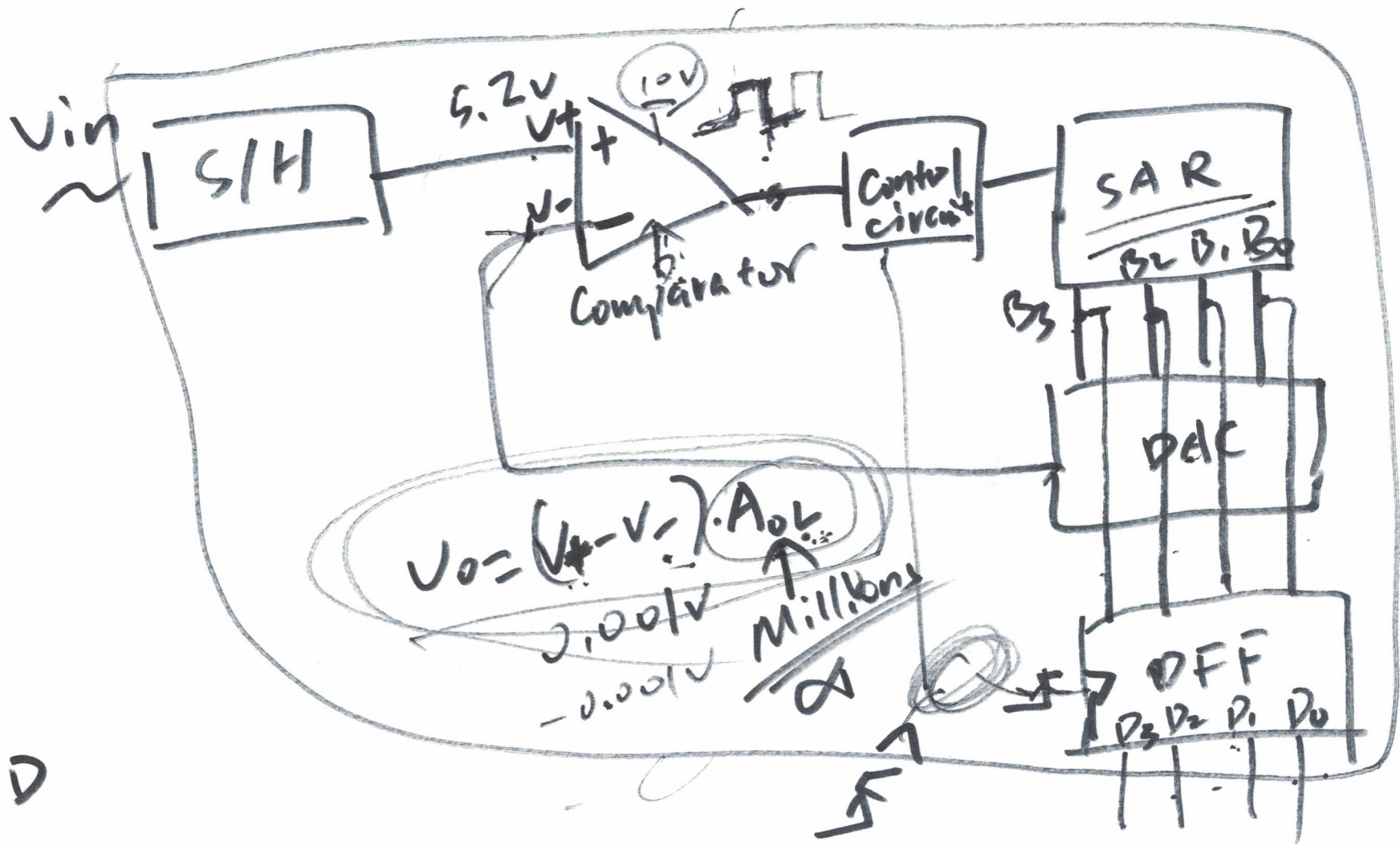
$\boxed{B_2 B_1 B_0} \oplus A_2 A_1 A_0$



B_1

①





Cycle #	B ₃	B ₁	B ₂	B ₀	Comp output
1	1	0	0	0	A₃ A ₃
2	A ₃	1	0	0	A₃ A ₂
3	A ₃	A ₂	1	0	A₂ A ₁
4	A ₃	A ₂	A ₁	1	A₁ A ₀
5	A ₃	A ₂	A ₁	A ₀	A₀
6					

(3)

$V_{in} = 3.2V$
 $V_{DD} = 10V$

$2.5 + 0.625$

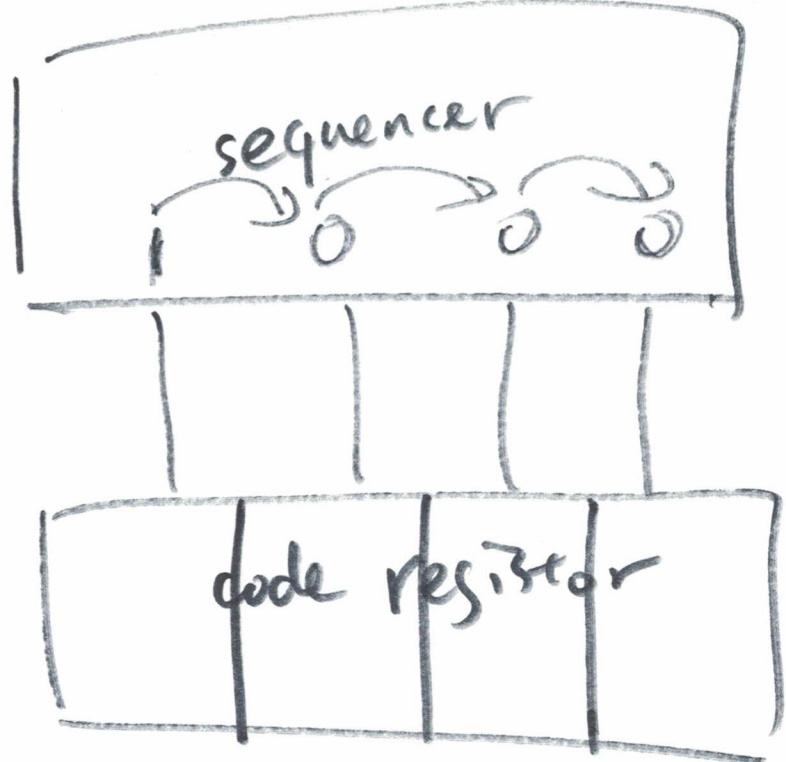
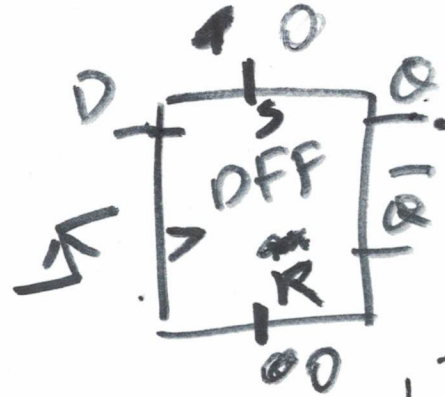
(1000)
 5V

A_3
 0 1 0 0
 2.5V

$A_3 A_2$
 0 1 1 0
 3.75V

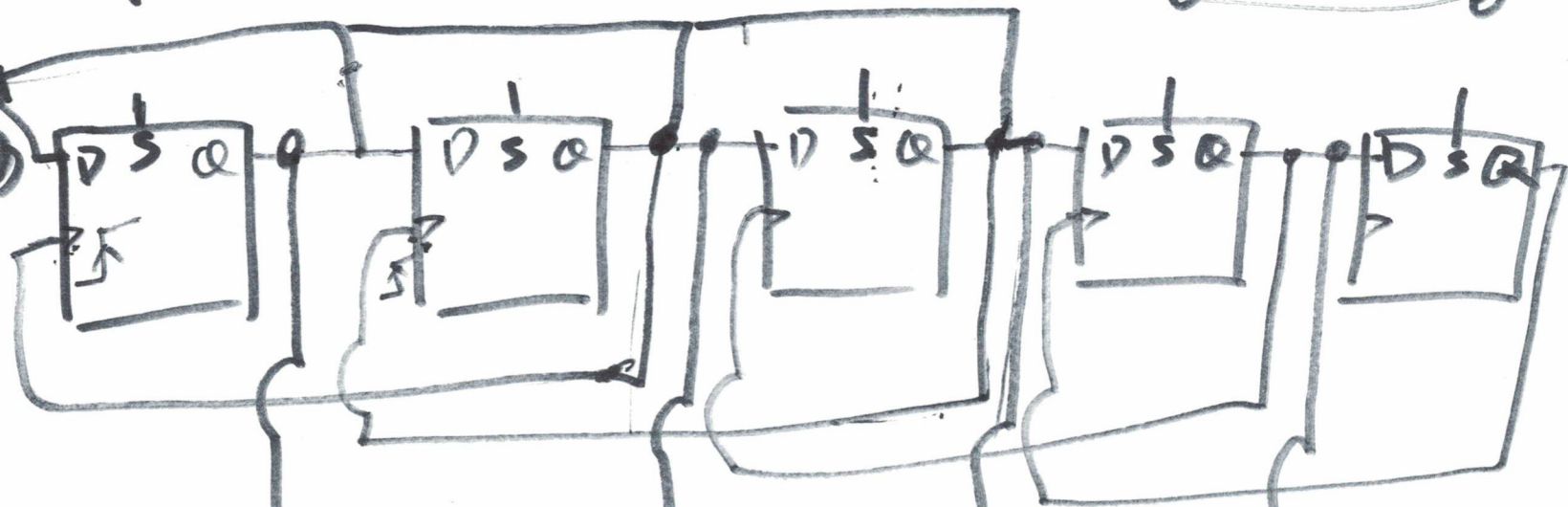
$A_3 A_2 A_1$
 0 1 0 1
 3.125V

$A_3 A_2 A_1 A_0$
 0 1 0 1
 3.125V



(4)

Comp



B₃

A₃

A₃

A₃

A₃

B₂

A₂

A₂

A₂

A₂

B₁

A₁

A₁

A₁

A₁

B₀

A₀

A₀

A₀

A₀

A₀

A₀

16