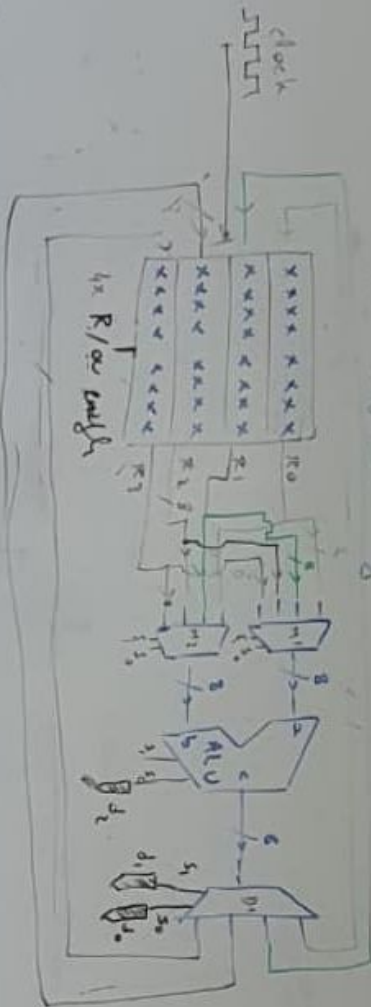


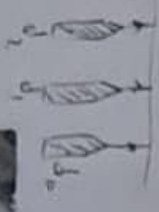
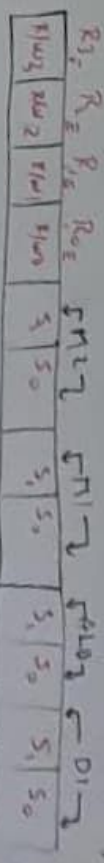
By using the software Logisim-Evolution the following controlled ALC

# Assignment 1



$R_3$	$R_2$	$R_1$	$R_{0E}$	$\mu_{12}$	$\mu_{11}$	$\mu_{10}$	$\mu_{00}$
1000	1000	1000	1000	50	50	50	50
1000	1000	1000	1000	50	50	50	50

	MLU
550	
00	$C = a + b$
01	$C = a - b$
10	$C = a \text{ AND } b$
11	$C = a \text{ OR } b$

[illegible]

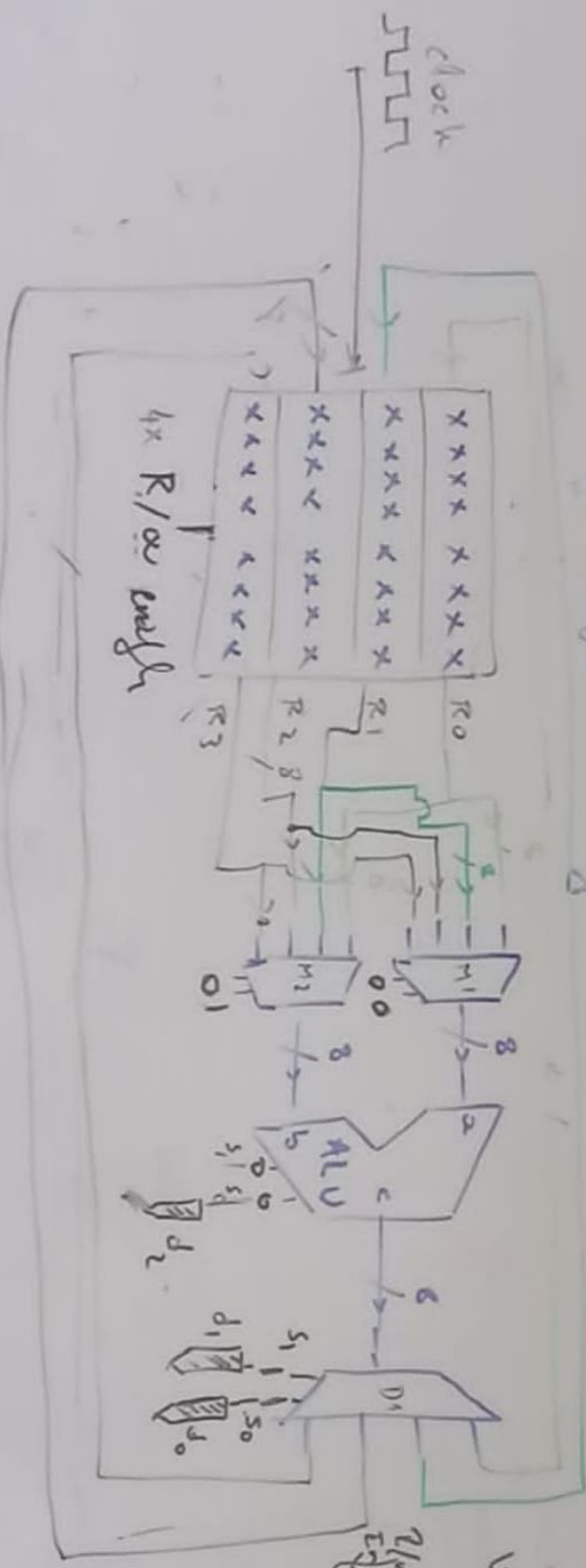
0002347

slu/Pt

NESSS

# Assignment 1

By using the software Logisim-Evolution  
The following controlled ALU



$w = 1$

$R_3$	$R_2$	$R_1$	$R_0$
1	2	3	4

ALU

Add  $r_0, r_1, r_2, r_3$

$$\{z_0 + r_1 \rightarrow r_3\}$$

1010x

$$x = 1$$

2/2

 $R_3$ 

12

R 1-5

 $R_0 \in$ 

5225

→ 3 →

$$\frac{5A+L+D}{1}$$

١٠٠

R/W 2

©

C



1.

0.

C

C

C

1

550

ALU

00

5  
4  
3  
2  
1

1

$$C = 2 - 2$$

10

$$C = \alpha \cdot \ln(2)$$

11

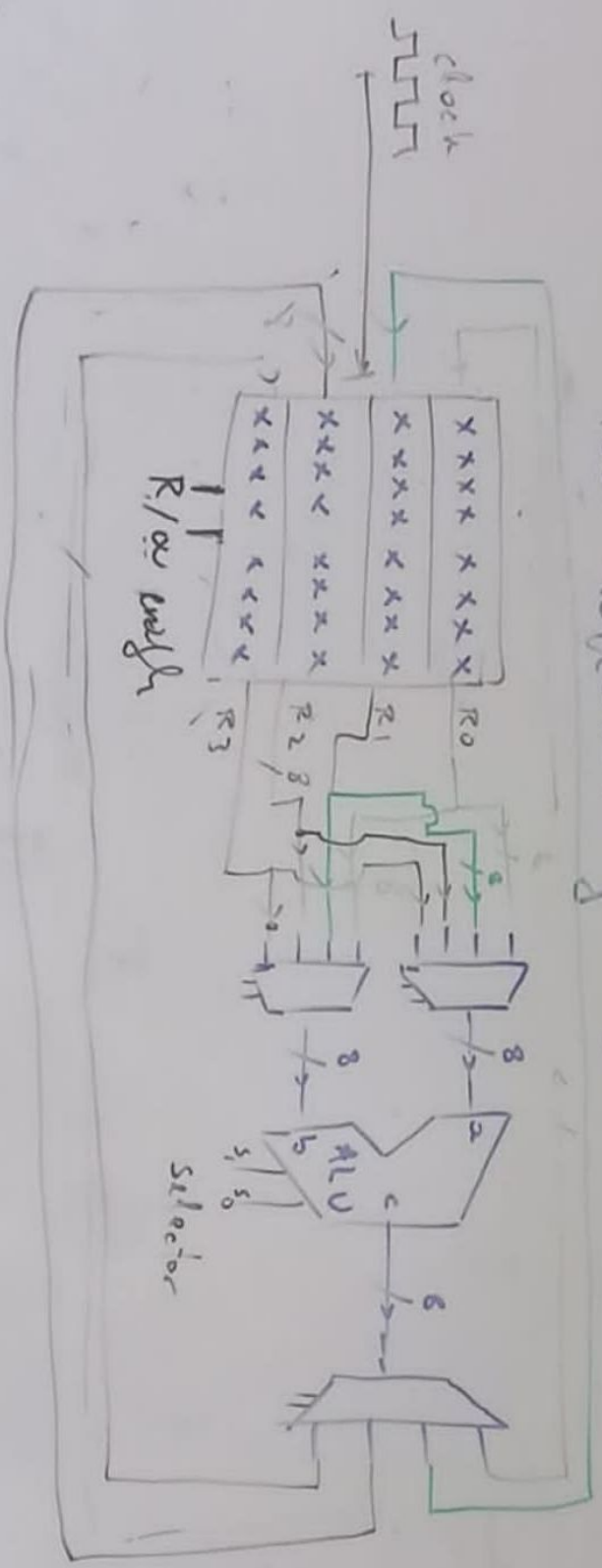
$$C = a \cdot 0.12 \cdot b$$

A hand-drawn diagram of a cell. It features a large, irregular outer boundary representing the cell membrane. Inside, there is a smaller, roughly circular nucleus with a darker, shaded interior. To the right of the nucleus is a large, clear, oval-shaped vacuole. The entire diagram is drawn with simple black lines on a white background.

1

# Assignment 1

By using the software Logisim-Evolution  
the following controlled ALU



S=0002317

slng/Pt

NESSS

## Assignment 1

By using the software Logisim-Evolution  
the following controlled ALU

