

3*3

NO3_0 ~ NO3_5 : 1 + 2 + 3

NO3_6 : 3, 1 + 2

NO3_7 : 1, 2 + 3

Strid2 issue:
!!!!!!!!!!!!

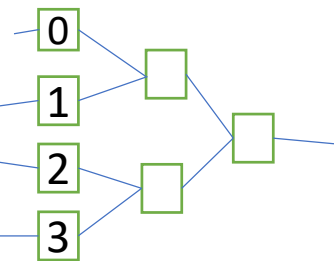
- 1: FA(row1)'s output
2: FA(row2)'s output
3: FA(row3)'s output

5*5

Stride1,round1
(NO5_0 ~ NO5_3)

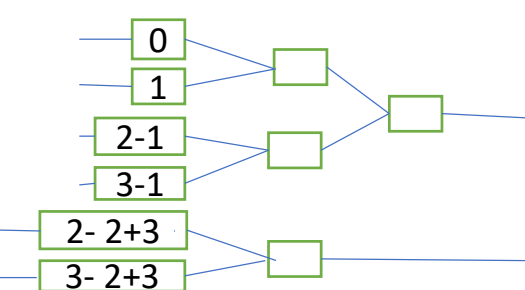
0 ID0,1
1 1 + 2 + 3
2

3 ID2,3
4 1 + 2 + 3



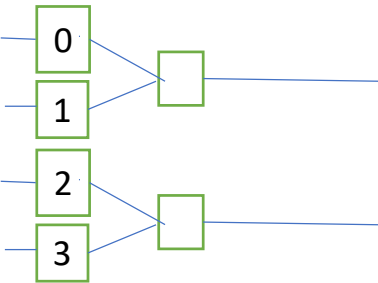
Stride1,round2
NO5_0

4 ID0,1
5 1 + 2 + 3
6
7 ID2,3
1 1
2 + 3



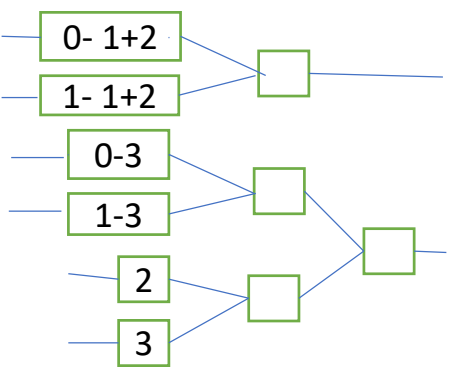
NO5_1

5 ID0,1
6 1 + 2 + 3
7
0 ID2,3
1 1 + 2 + 3



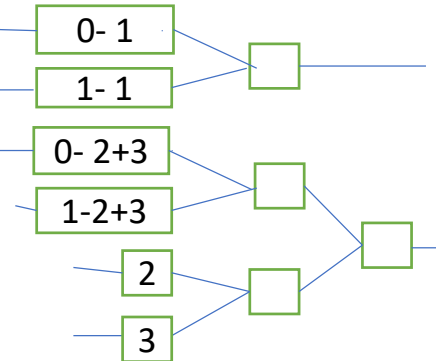
NO5_2

6 ID0,1
7 1 + 2
0 3
1 ID2,3
2 1 + 2 + 3



NO5_3

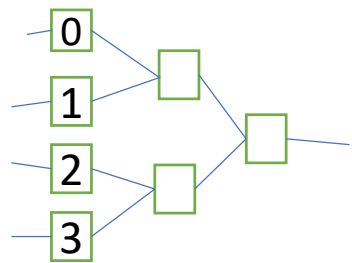
7 ID0,1
0 1
1 2 + 3
2 ID2,3
3 1 + 2 + 3



Stride2

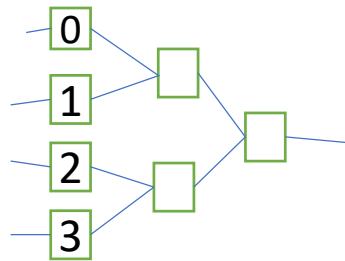
NO5_0

0	ID0,1
1	$1 + 2 + 3$
<hr/>	
3	ID2,3
4	$1 + 2 + 3$



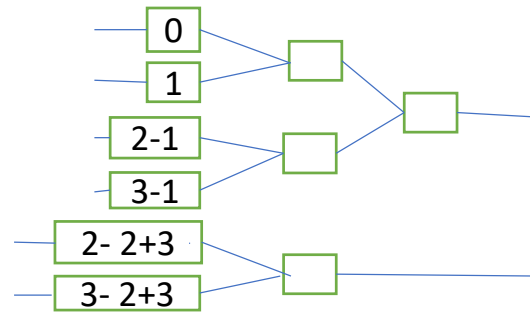
NO5_1

2	ID0,1
3	$1 + 2 + 3$
<hr/>	
5	ID2,3
6	$1 + 2 + 3$



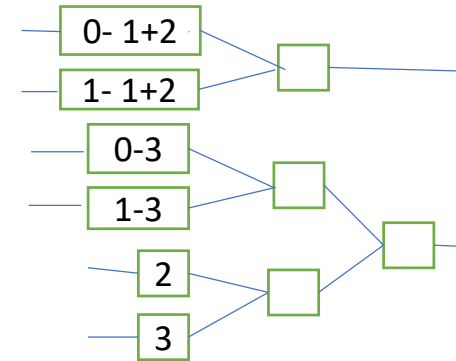
NO5_2

4	ID0,1
5	$1 + 2 + 3$
<hr/>	
7	ID2,3
1	1
	$2 + 3$

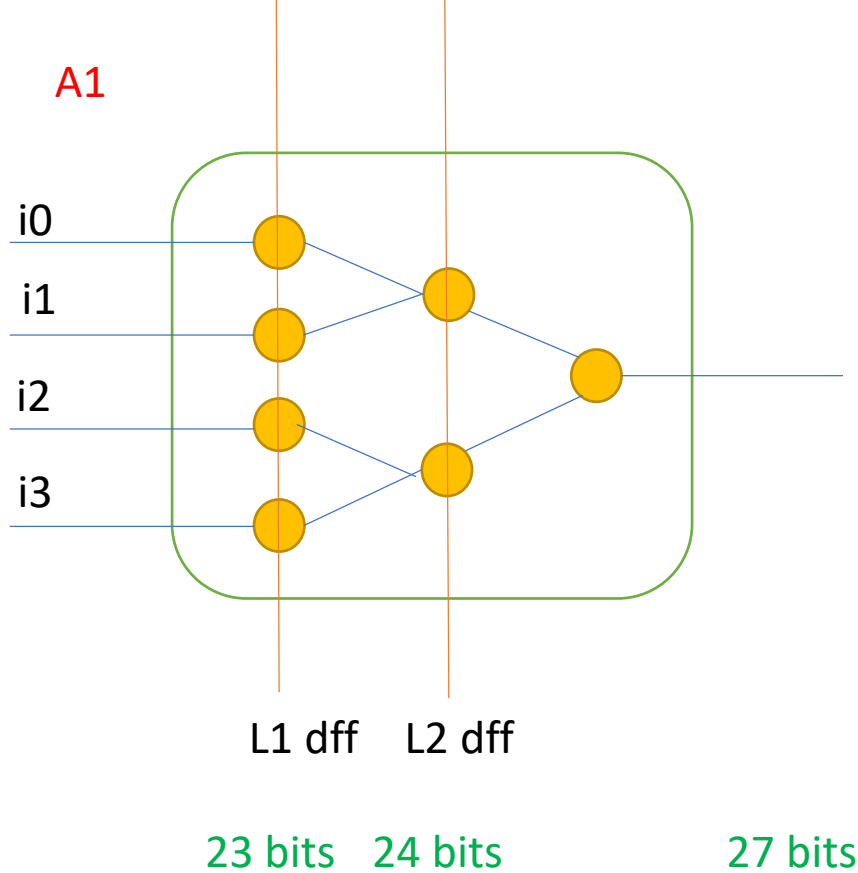


NO5_3

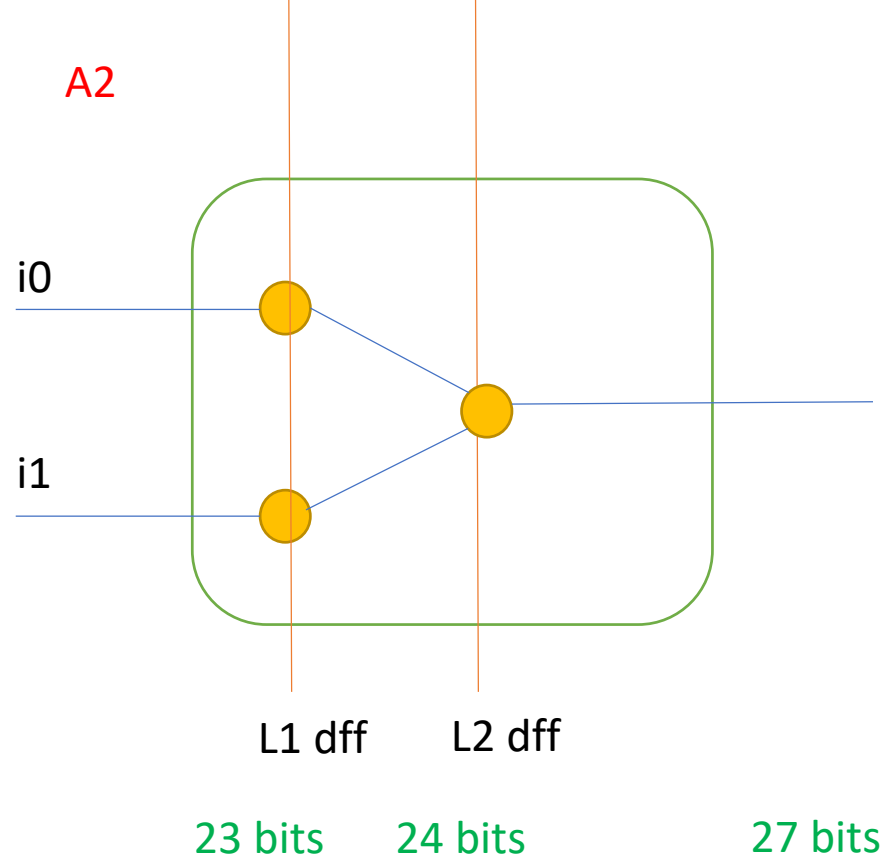
6	ID0,1
7	$1 + 2$
<hr/>	
0	3
1	ID2,3
2	$1 + 2 + 3$

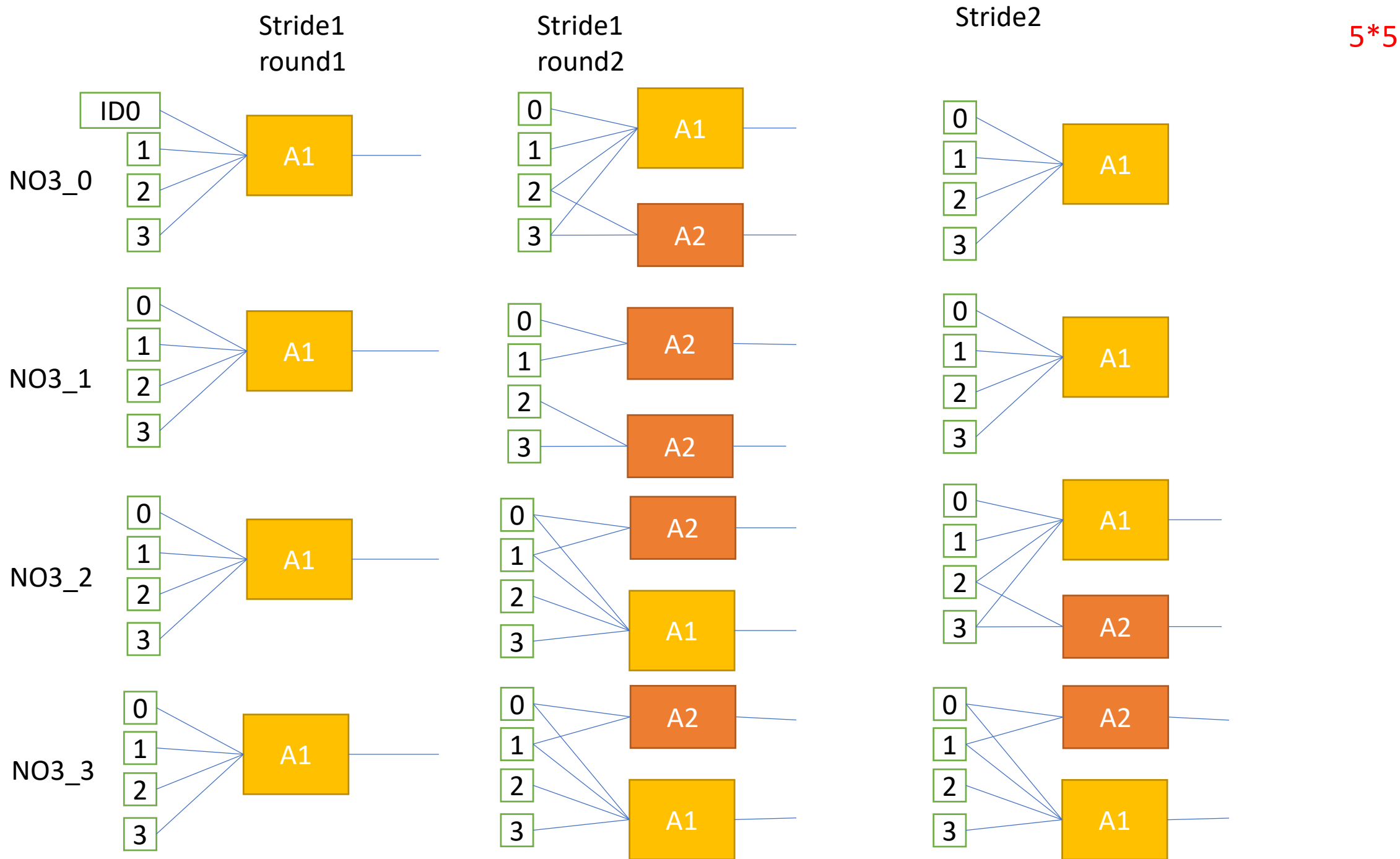


A1



A2





7*7

- 1: FA(row1)'s output

2: FA(row2)'s output

3: FA(row3)'s output

Stride1,round1
(NO7_0 , NO7_1)

0	
1	ID0,1,2
2	1 + 2 + 3
<hr/>	
3	ID3,4,5
4	1 + 2 + 3
5	
<hr/>	
6	ID6,7,8
	1 + 2 + 3

Stride1,round2
NO7_0

2	ID0,1,2
3	1 + 2 + 3
4	
<hr/>	
5	ID3,4,5
6	1 + 2 + 3
7	
<hr/>	
0	ID6,7,8
	1 + 2 + 3

NO7_1

3	ID0,1,2
4	1 + 2 + 3
5	
<hr/>	
6	ID3,4,5
7	1 + 2
0	3
<hr/>	
1	ID6,7,8
	1 + 2 + 3

Stride1,round3
NO7_0

4	ID0,1,2
5	1 + 2 + 3
6	
<hr/>	
7	ID3,4,5
0	1
1	2 + 3
<hr/>	
2	ID6,7,8
	1 + 2 + 3

NO7_1

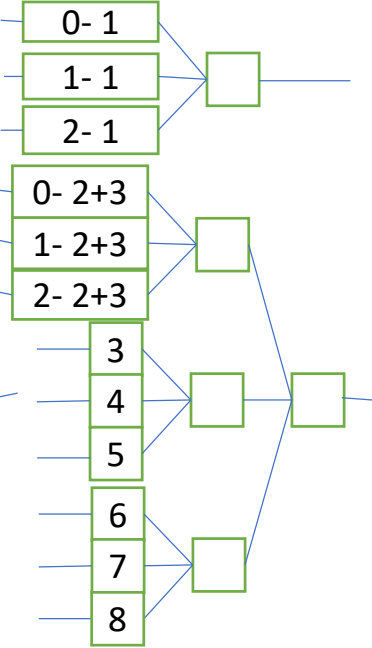
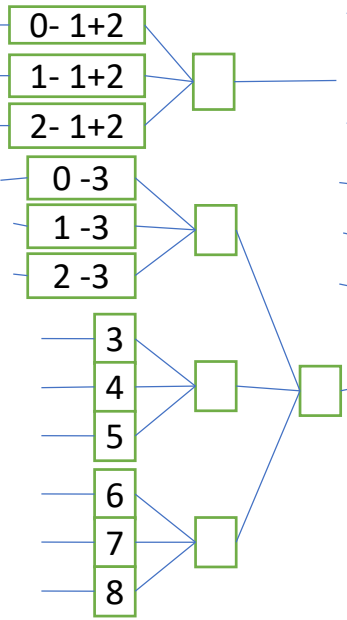
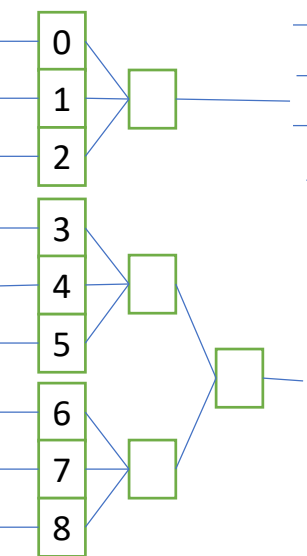
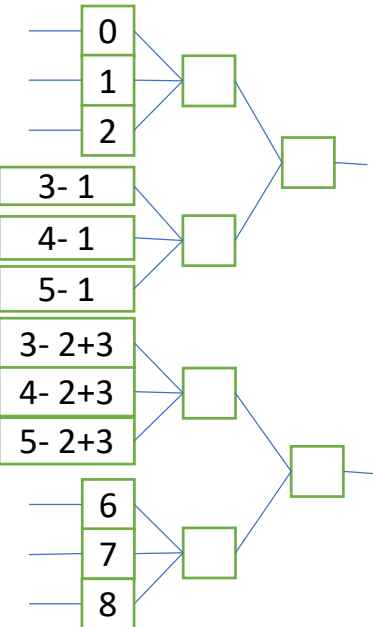
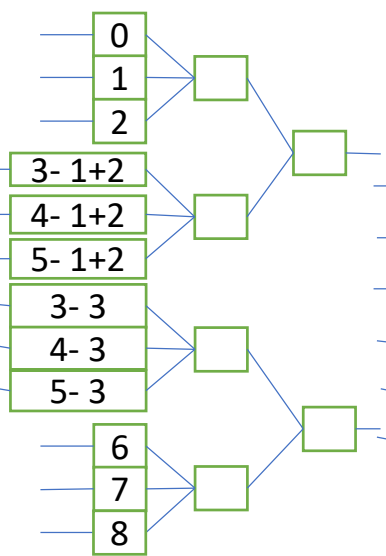
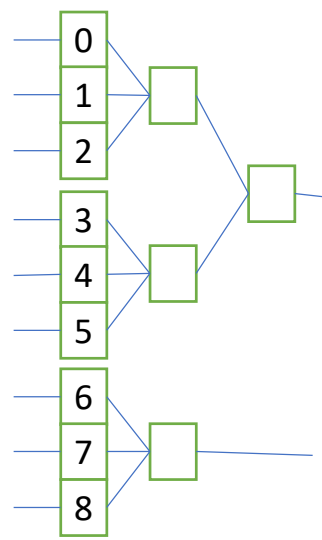
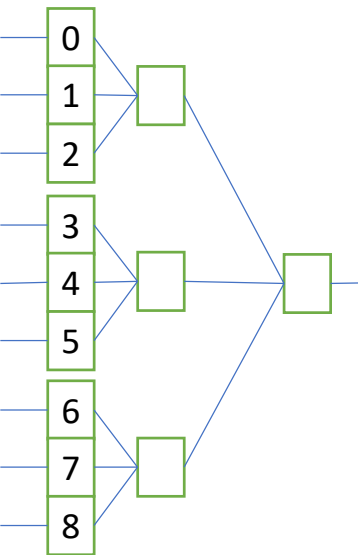
5	ID0,1,2
6	1 + 2 + 3
7	
<hr/>	
0	ID3,4,5
1	1 + 2 + 3
2	
<hr/>	
3	ID6,7,8
	1 + 2 + 3

Stride1,round4
NO7_0

6	ID0,1,2
7	1 + 2
0	3
<hr/>	
1	ID3,4,5
2	1 + 2 + 3
3	
<hr/>	
4	ID6,7,8
	1 + 2 + 3

NO7_1

7	ID0,1,2
0	1
1	2 + 3
<hr/>	
2	ID3,4,5
3	1 + 2 + 3
4	
<hr/>	
5	ID6,7,8
	1 + 2 + 3



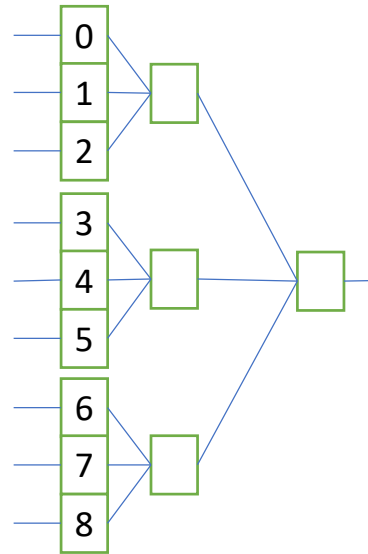
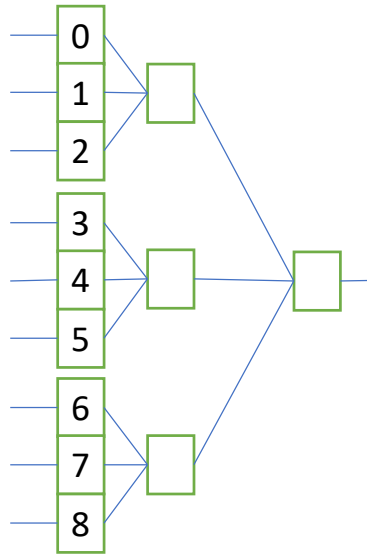
Stride2,round1

NO7_0

0	ID0,1,2
1	1 + 2 + 3
2	
<hr/>	
3	ID3,4,5
4	1 + 2 + 3
5	
<hr/>	
6	ID6,7,8
	1 + 2 + 3

N07_1

2	ID0,1,2
3	1 + 2 + 3
4	
<hr/>	
5	ID3,4,5
6	1 + 2 + 3
7	
<hr/>	
0	ID6,7,8
	1 + 2 + 3



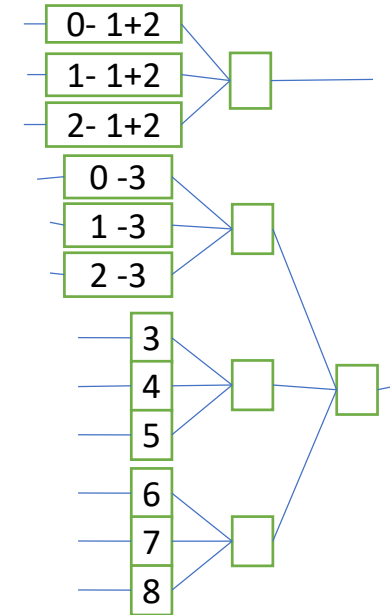
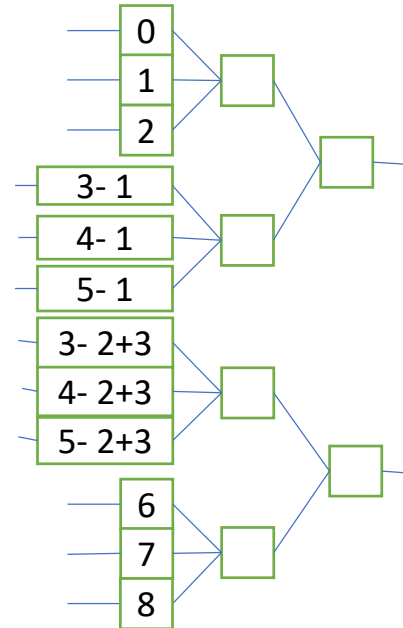
Stride2,round2

NO7_0

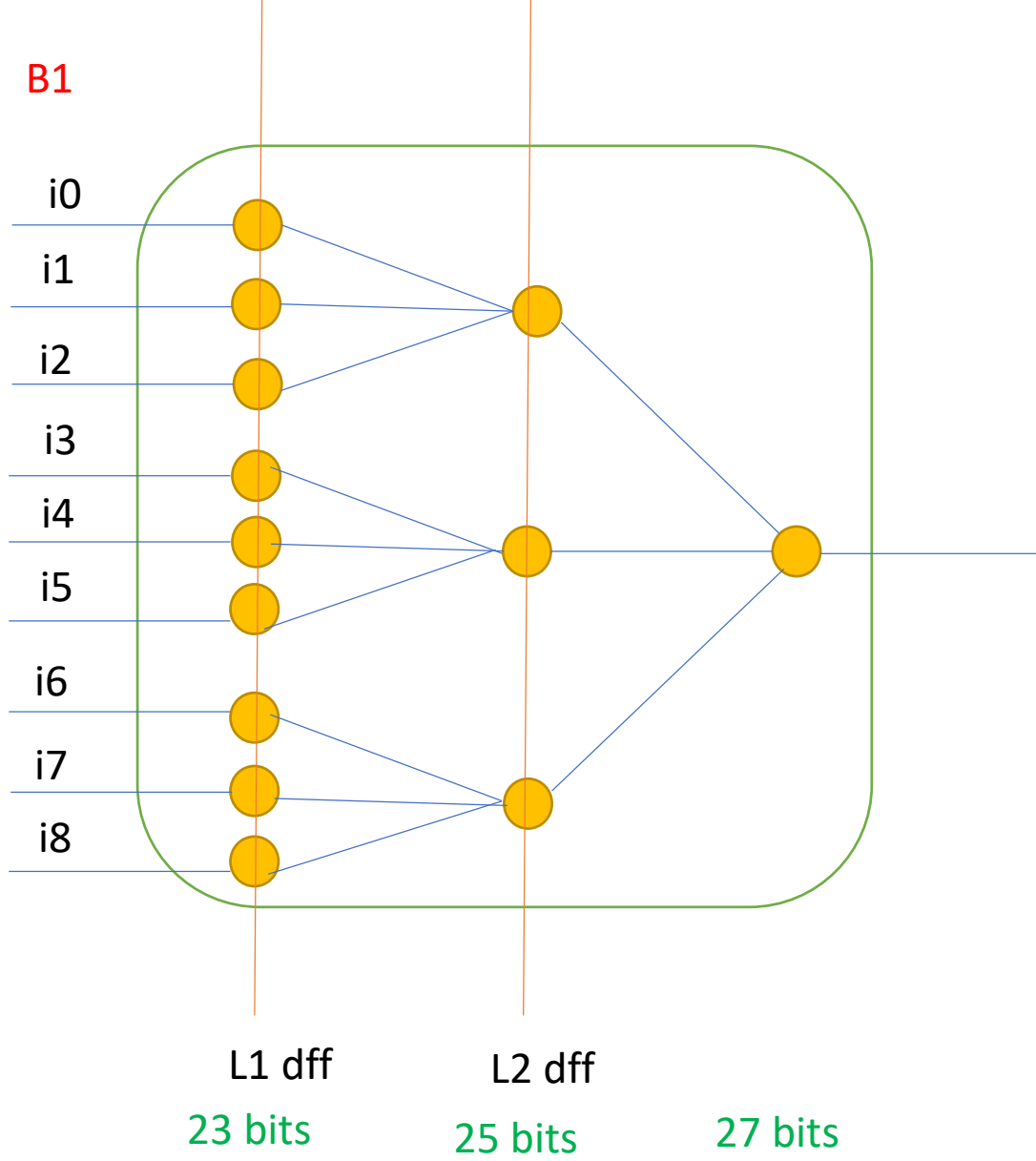
4	ID0,1,2
5	1 + 2 + 3
6	
<hr/>	
7	ID3,4,5
0	1
1	2 + 3
<hr/>	
2	ID6,7,8
	1 + 2 + 3

N07_1

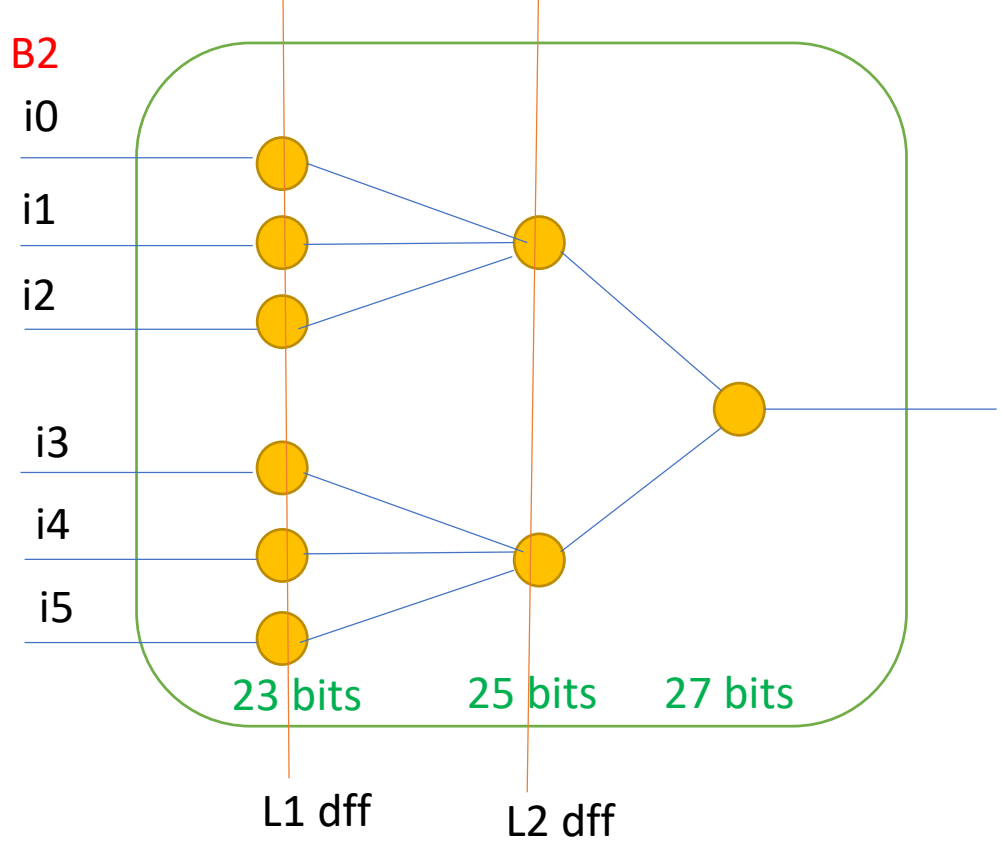
6	ID0,1,2
7	1 + 2
0	3
<hr/>	
1	ID3,4,5
2	1 + 2 + 3
3	
<hr/>	
4	ID6,7,8
	1 + 2 + 3



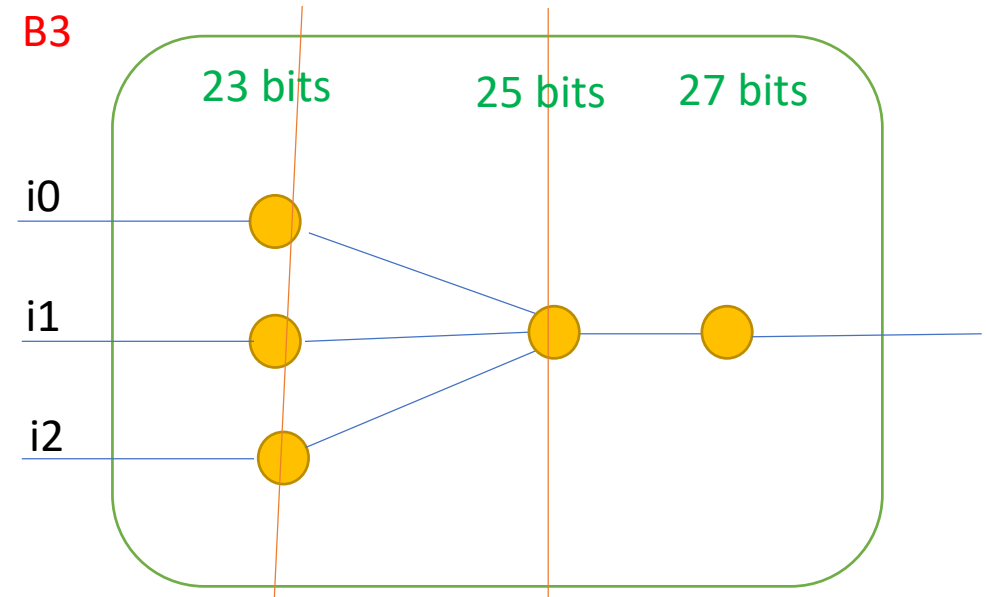
B1

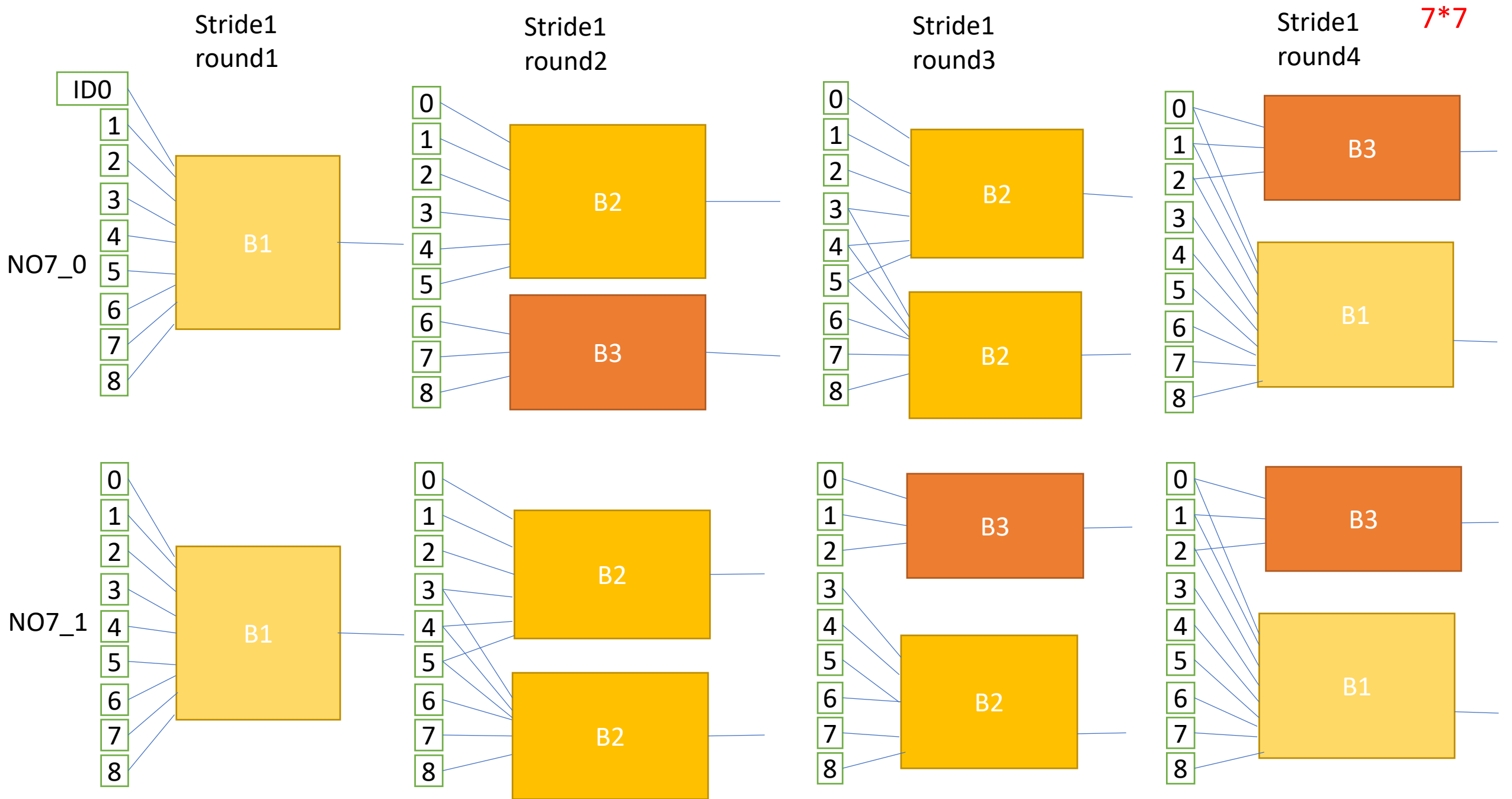


B2

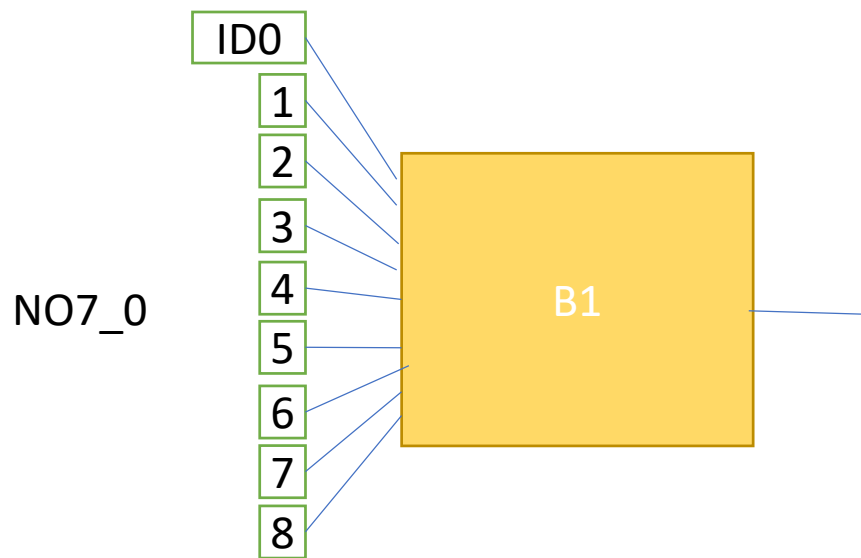


B3

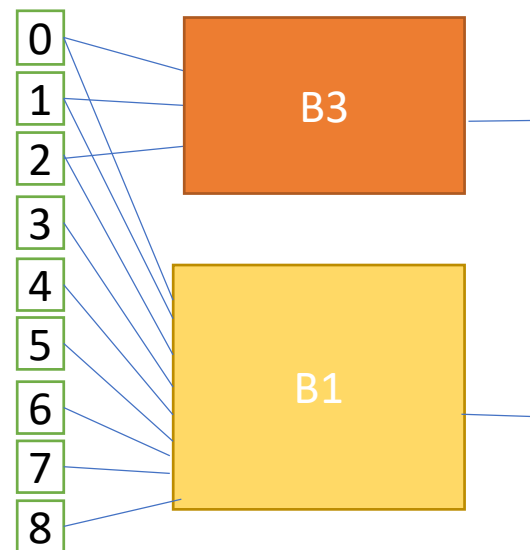
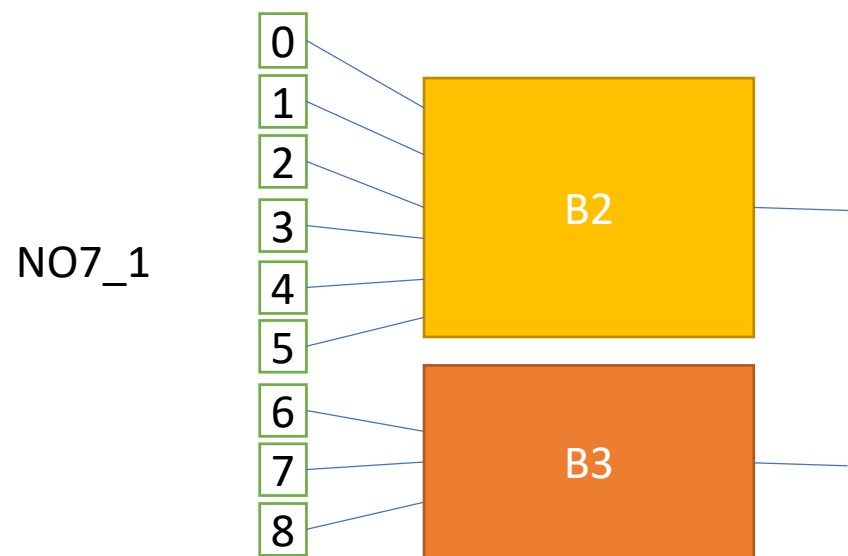
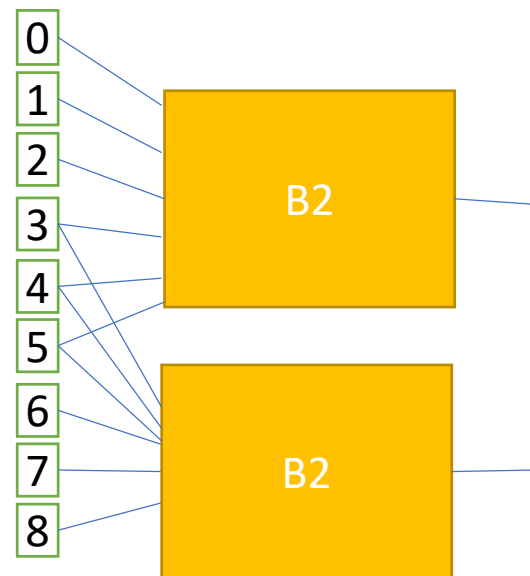




Stride2
round1



Stride2
round2



5*5 / 7*7

FSA

FA(adder)

L1

L2

L3

L4

SA

FSAout

A/B

Ain/Bin

i /data

A1,A2,B1,B2,B3(adder)

L1

L2

Aout/Bout

MUL_DATA_valid_dff
MUL_results_dff
stride_dff
wround_dff
wsize_dff

3*3

A1i,A2_0i,A2_1i
B1i,B2_0i,B2_1i,B3i

Psum
Psum_vaild

Psum
Psum_vaild

