

### Program 1

	0	1	2	3	4
① data	7	0	1	-3	12
size	5				

i    ~~0~~ 1 ~~2~~ ~~3~~ ~~4~~ 5

result   ~~0~~ 1

	0	1	2	3	4
② data	0	2	0	11	-1
size	5				

i    ~~0~~ 1 ~~2~~ ~~3~~ ~~4~~ 5

result   ~~0~~ 1 2

double count-Positive\_2 (const vector<double> &data)

Program 2

	0	1	2	3	4
① data	2	-5	0	-3	23
size	5				

i 0 1 2 3 4 5

data[i] = 2 5 3

	0	1	2	3	4
② data	0	-2	-4	11	-1
size	5				

i 0 1 2 3 4

data[i] 0 2 4 1

void update\_data (vector<double> &data).

Program 3

① data 

0	1	2	3	4
2	-5	0	1	23

data[idx] 

1
-5

data[last] 

4
23

data[idx] = data[last]

data[idx] = 

1
23

data 

2	23	0	1
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② data 

0	1
0	-2

data[idx] 

1
-2

data[last] 

1
-2

data[idx] = data[last]

data[idx] = 

1
-2

~~data 

0	-2
---	----

data 

0
0



③ data 

0	1
4	3

data[idx] 

4
0

data[last] 

1
3

data 

0	1
4	3

Void Replace\_Remove (vector < double> &data, int data)

Program 4

	0	1	2	3	4
data	4	-6	0	8	-7

data[idx] = 

2
0

(idx >= data.size() - 1)

for (int i = data.size() - 1; i > idx; i--)

data[i] = data[i-1];

data[4] = data[3]

data[3] = -7

data[3] = data[2]

data[2] = 8

data	4	-6	8	-7	-7
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void InsertShift(vector<double> &data, int idx, double value)