Program working with miniheaps. Program use two file: input.txt (for commands) and output.txt (for output data). We can use 4 commands:

I #1 (Insert number #1)

C #1 #2 (Change all numbers #1 to #2)

D #1 (Delete all numbers #1)

P (Print all numbers)

Examples of working program

**Test #1**

input.txt

I 1

I 40

I 30

P

I 20

P

C 20 30

P

D 30

P

output.txt

1, 40, 30

1, 40, 30, 20

1, 40, 30, 30

1, 40

**Test #2**

input.txt

I 1

I 2

I 3

I 3

P

C 3 10

P

C 2 12

P

D 10

P

output.txt

1, 2, 3, 3

1, 2, 10, 10

1, 12, 10, 10

1, 12

**Test #3**

input.txt

I 1

I 2

I 30

D 1

P

C 30 10

I 10

P

D 10

P

I 13

P

output.txt

2, 30

2, 10, 10

2

2, 13