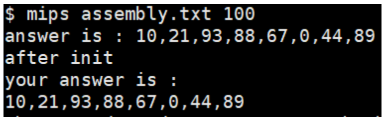
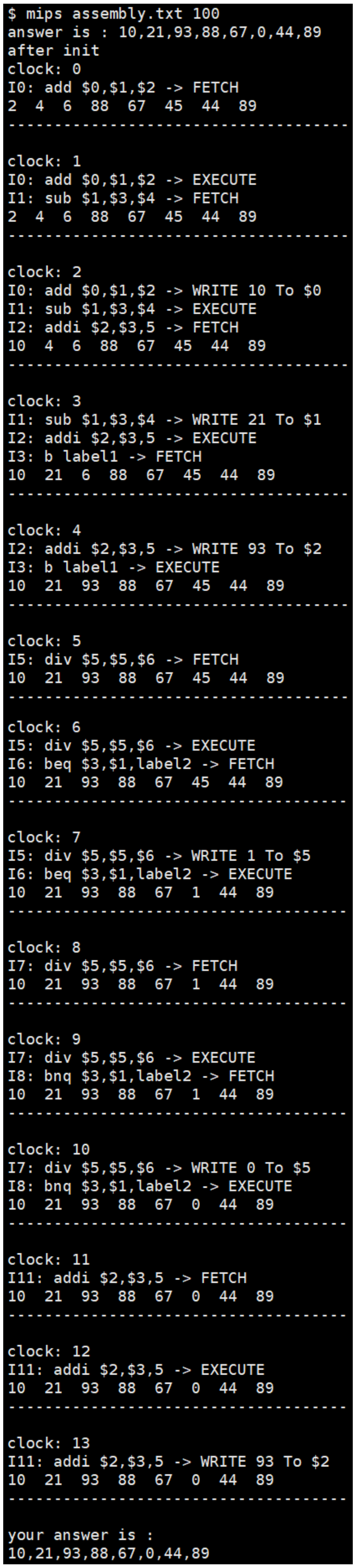
using main.cpp and assembly.txt

solution.cpp



```
$ mips assembly.txt 100
answer is : 10,21,93,88,67,0,44,89
after init
your answer is :
10,21,93,88,67,0,44,89
```

solution_pipeline.cpp



```
$ mips assembly.txt 100
answer is : 10,21,93,88,67,0,44,89
after init
clock: 0
I0: add $0,$1,$2 -> FETCH
2  4  6  88  67  45  44  89
--------------------------------------

clock: 1
I0: add $0,$1,$2 -> EXECUTE
I1: sub $1,$3,$4 -> FETCH
2  4  6  88  67  45  44  89
--------------------------------------

clock: 2
I0: add $0,$1,$2 -> WRITE 10 To $0
I1: sub $1,$3,$4 -> EXECUTE
I2: addi $2,$3,5 -> FETCH
10  4  6  88  67  45  44  89
--------------------------------------

clock: 3
I1: sub $1,$3,$4 -> WRITE 21 To $1
I2: addi $2,$3,5 -> EXECUTE
I3: b label1 -> FETCH
10  21  6  88  67  45  44  89
--------------------------------------

clock: 4
I2: addi $2,$3,5 -> WRITE 93 To $2
I3: b label1 -> EXECUTE
10  21  93  88  67  45  44  89
--------------------------------------

clock: 5
I5: div $5,$5,$6 -> FETCH
10  21  93  88  67  45  44  89
--------------------------------------

clock: 6
I5: div $5,$5,$6 -> EXECUTE
I6: beq $3,$1,label2 -> FETCH
10  21  93  88  67  45  44  89
--------------------------------------

clock: 7
I5: div $5,$5,$6 -> WRITE 1 To $5
I6: beq $3,$1,label2 -> EXECUTE
10  21  93  88  67  1  44  89
--------------------------------------

clock: 8
I7: div $5,$5,$6 -> FETCH
10  21  93  88  67  1  44  89
--------------------------------------

clock: 9
I7: div $5,$5,$6 -> EXECUTE
I8: bnq $3,$1,label2 -> FETCH
10  21  93  88  67  1  44  89
--------------------------------------

clock: 10
I7: div $5,$5,$6 -> WRITE 0 To $5
I8: bnq $3,$1,label2 -> EXECUTE
10  21  93  88  67  0  44  89
--------------------------------------

clock: 11
I11: addi $2,$3,5 -> FETCH
10  21  93  88  67  0  44  89
--------------------------------------

clock: 12
I11: addi $2,$3,5 -> EXECUTE
10  21  93  88  67  0  44  89
--------------------------------------

clock: 13
I11: addi $2,$3,5 -> WRITE 93 To $2
10  21  93  88  67  0  44  89
--------------------------------------

your answer is :
10,21,93,88,67,0,44,89
```