

2

If you can not write it down in English, You can't
code it.

- Peter Halpern -

1.

1

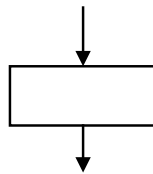
가

“

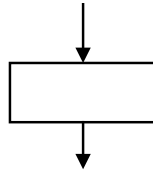
?”

1. :

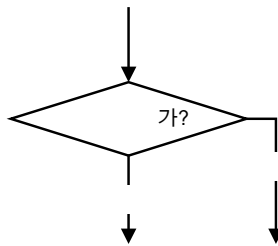
2. ().



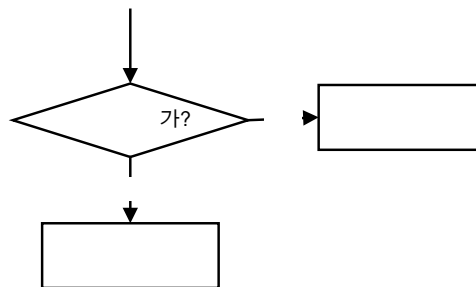
3. ().



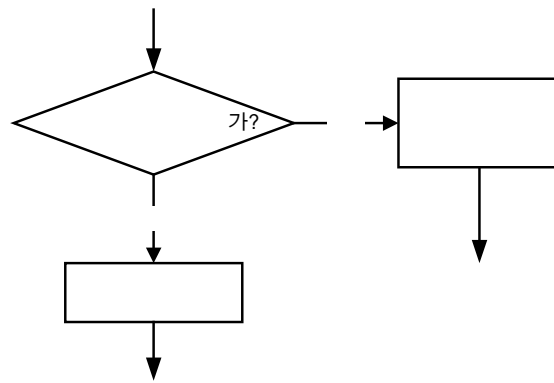
4. ().



5. 4 , ().

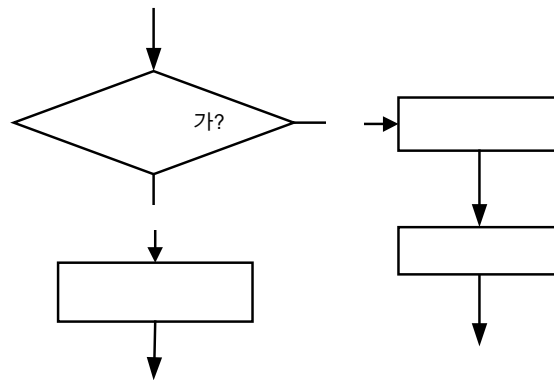


6. ().



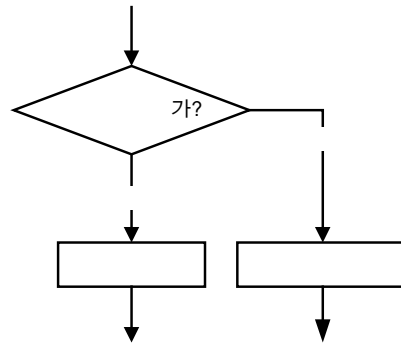
7.

().

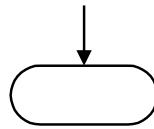


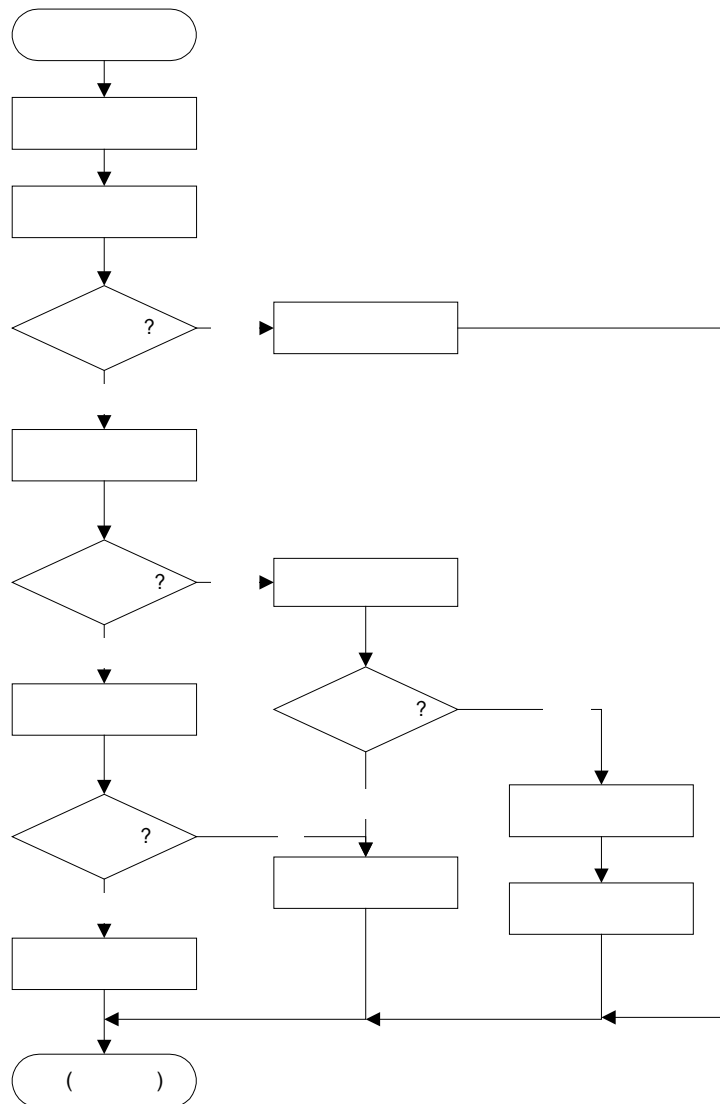
8.

, 가
().



9.





1. ().

2. , , ().

3. ().

4. 가 ().

5. ().

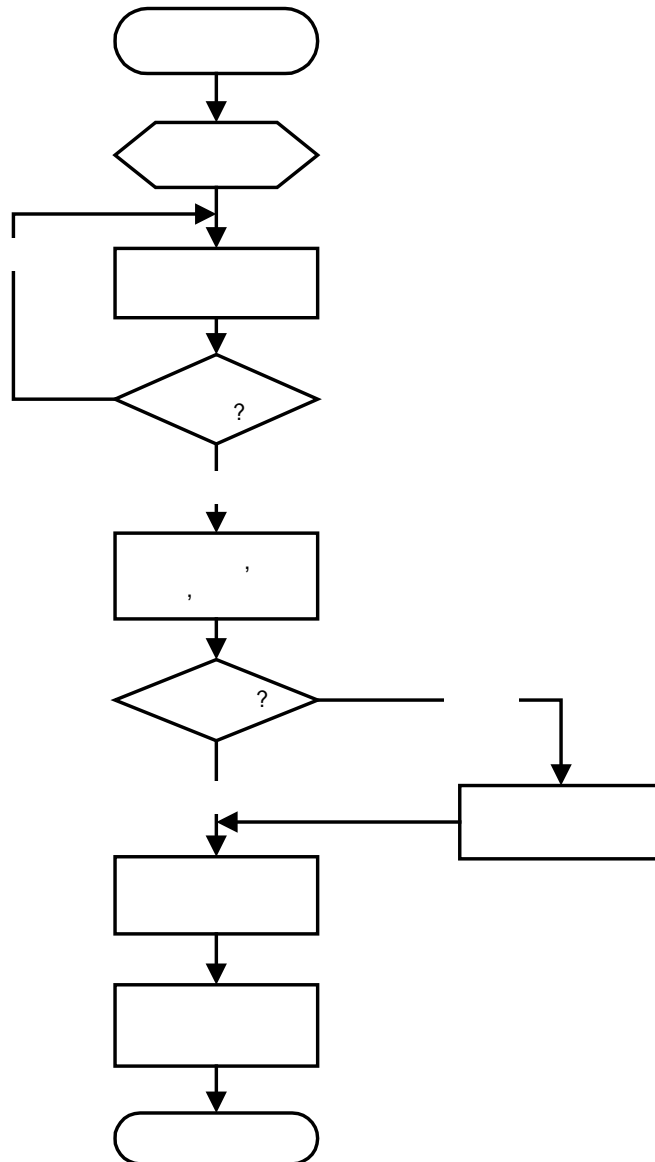
6. 가 ().

7. 가 ().

8. ().

9. ().

10. ().



1

가

1. .

2. 가 .

3. .

4. 가 .

5. 가 .

6. 가 .

7. .

2.

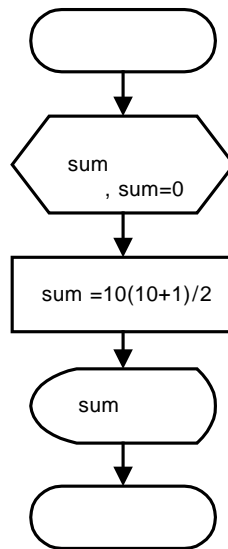
3

1

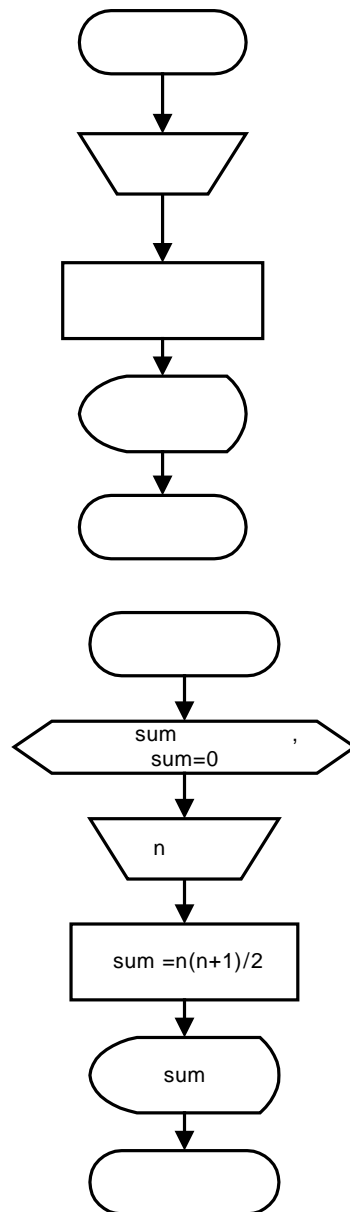
10

$$1 + 2 + 3 + \dots + 8 + 9 + 10$$

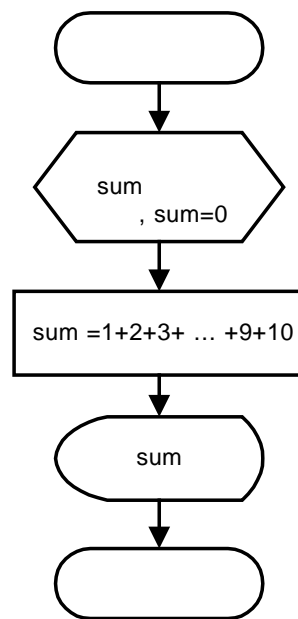
$$\sum_{i=1}^n i = n(n+1)/2 = \frac{10(10+1)}{2} = 55$$



() 가 .



가 .



가 10
가

가
가

$$S = 1+2+3+4+ \dots + 100 + 101 + \dots + 10000$$

$$S = 1$$

$$S = 1+2$$

$$S = 1+2+3$$

$$S = 1+2+3+4$$

$$S = 1+2+3+4+5$$

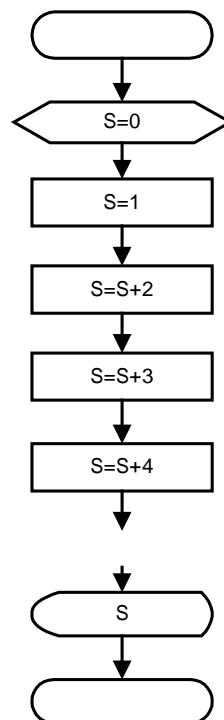
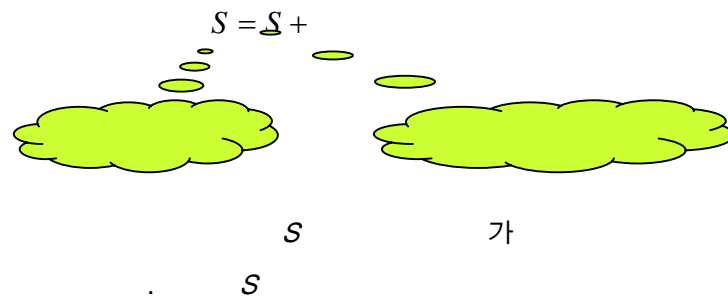
1 가 .
가

$$\begin{aligned} S_1 &= 1 \\ S_2 &= 1 + 2 \\ S_3 &= 1 + 2 + 3 \\ S_4 &= 1 + 2 + 3 + 4 \\ S_5 &= 1 + 2 + 3 + 4 + 5 \end{aligned}$$

$$\begin{aligned} S_1 &= 1 \\ S_2 &= \frac{1+2}{S_1} \\ S_3 &= \frac{1+2+3}{S_2} \\ S_4 &= \frac{1+2+3+4}{S_3} \\ S_5 &= \frac{1+2+3+4+5}{S_4} \end{aligned}$$

$$\begin{aligned} S_1 &= 1 \\ S_2 &= S_1 + 2 \\ S_3 &= S_2 + 3 \\ S_4 &= S_3 + 4 \\ S_5 &= S_4 + 5 \end{aligned}$$

가 가 S 가 가



가

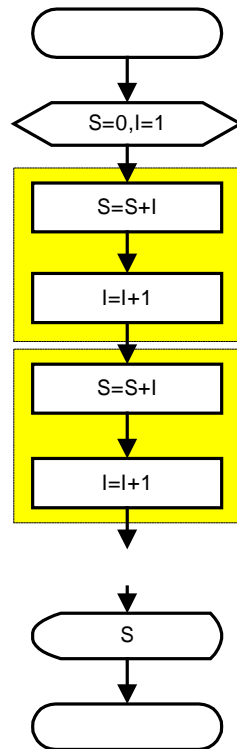
/ ,

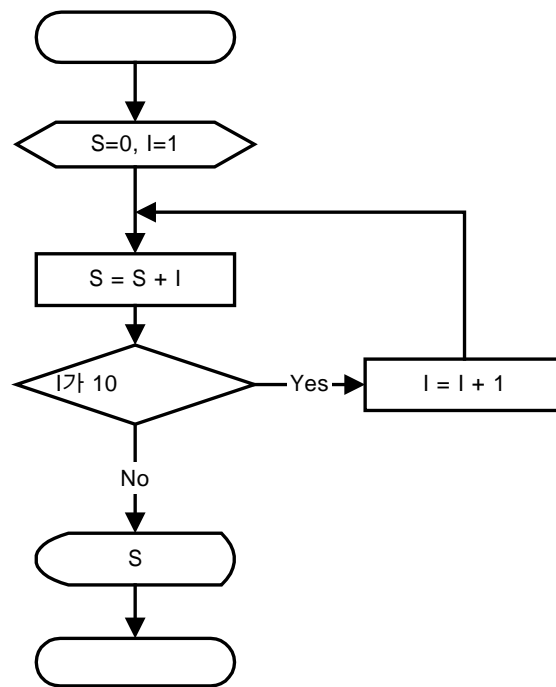
/ 1 가

$I = 1$
 $S = S + I$
 $I = I + 1 (I = 2)$
 $S = S + I$

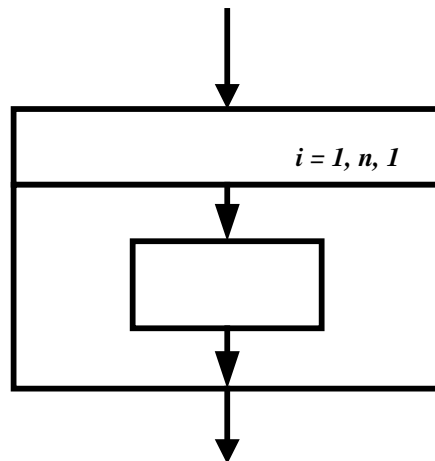
$I = I + 1 (I = 3)$

.....





1



n

. i 가 1

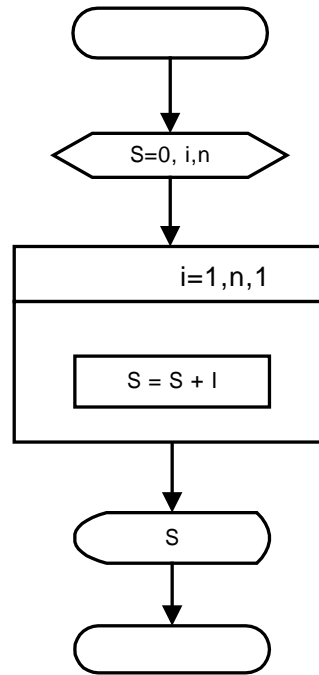
n

i

가

1

.



2

3

300

x (x < 100) ,

. 300 .(x .)

3

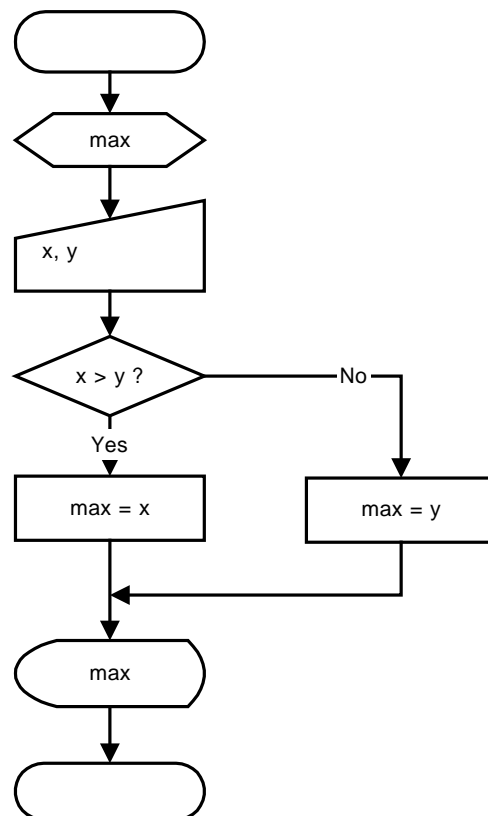
3

1 100

3

.

X, Y



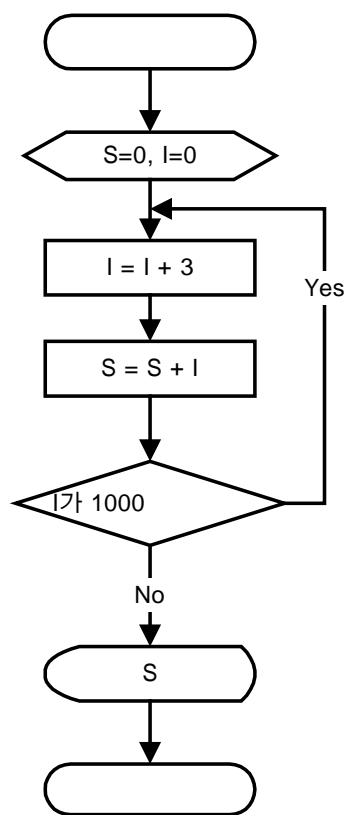
5

3

1

1000

3

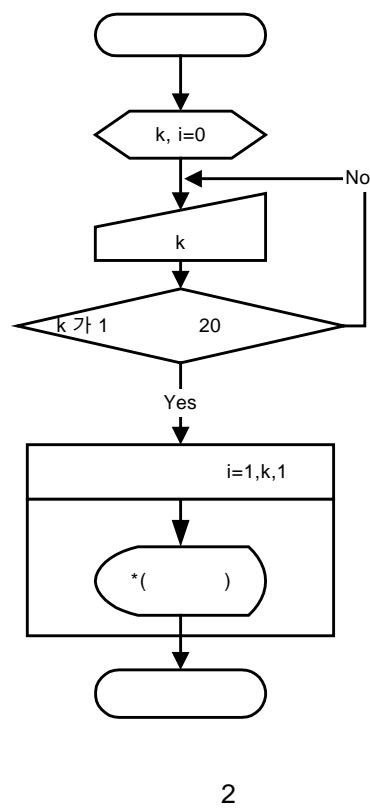
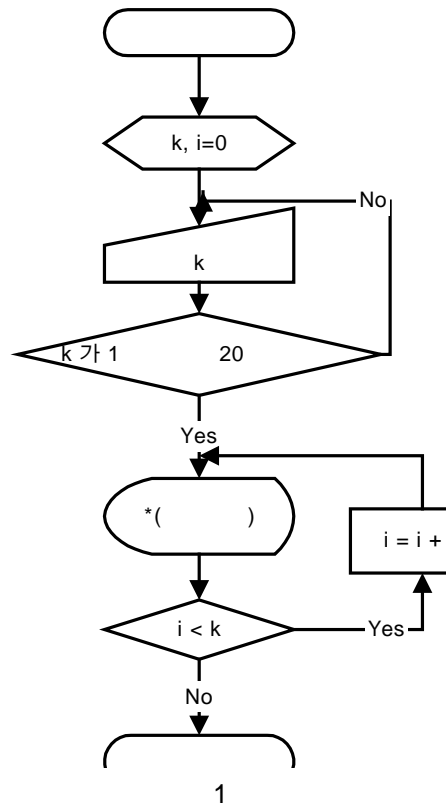


6

1

20

< * >

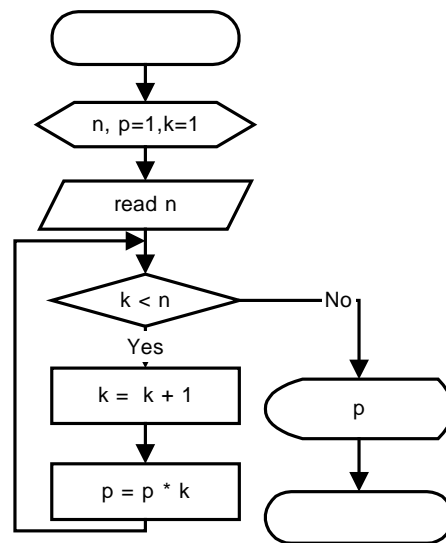


7

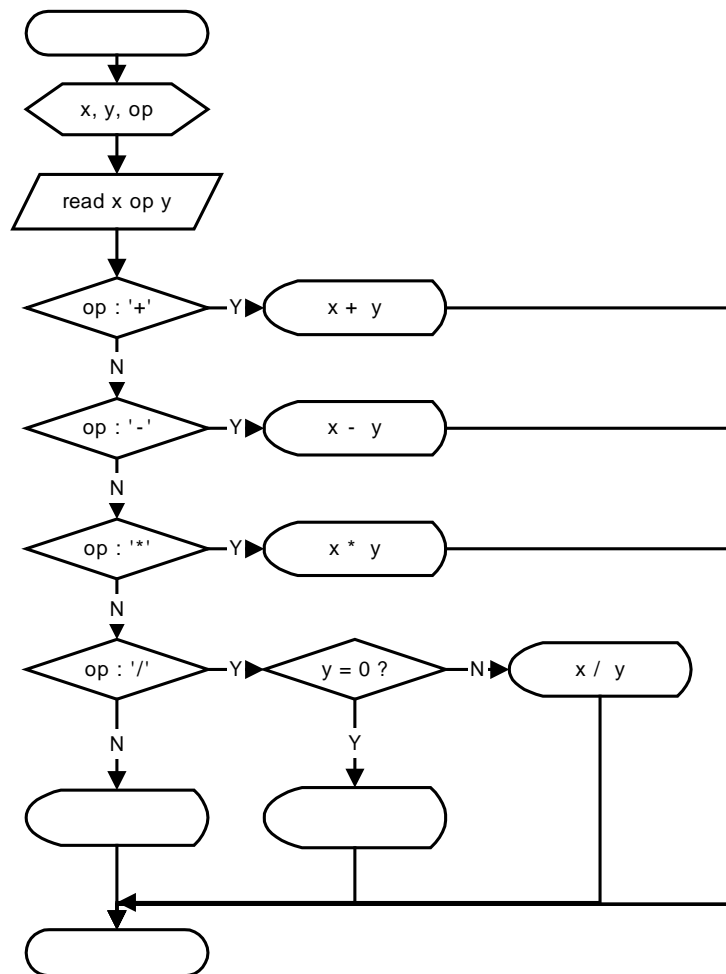
n

n!

.



, x, op, y . op



9

1 365.2422 . , , , 가

.

1. 365.2422 가 .

2. 0.2422 . 1 24 0.2

422 24×0.2422 .

3. 2 (5.8128

). 5 0.8128 .

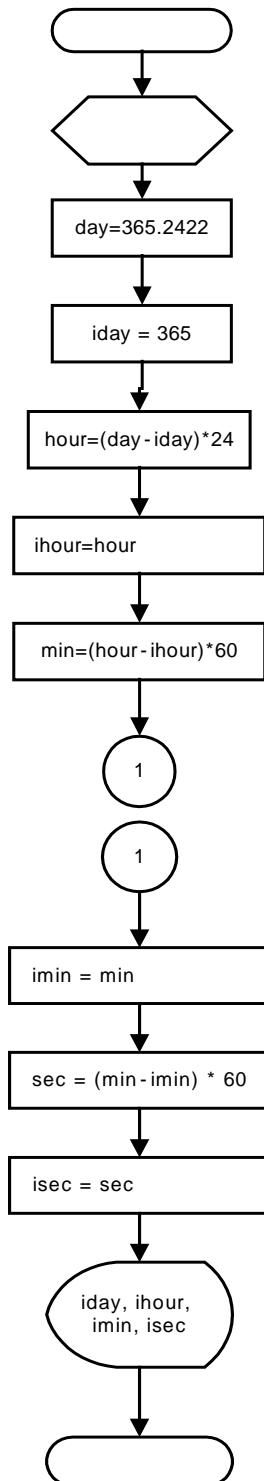
4. 3 . 1

60 0.8128 $0.8128 \times 60 = 48.768$.

48 .

5. 4 0.768 . 1

60 0.768 $0.768 \times 60 = 46.08$ 가 .

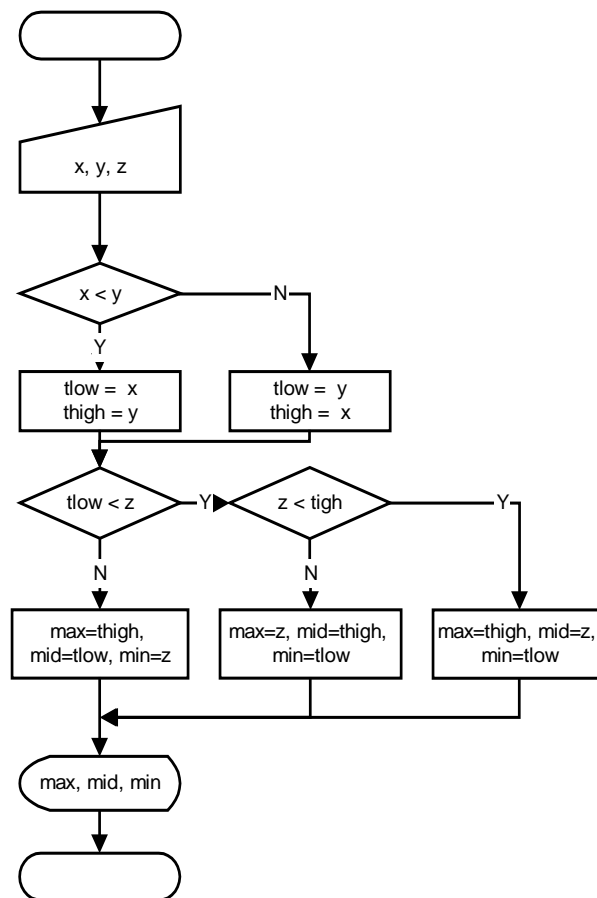


10

 x, y, z

, ,

max, mid, min



11

50

1. 50

2.

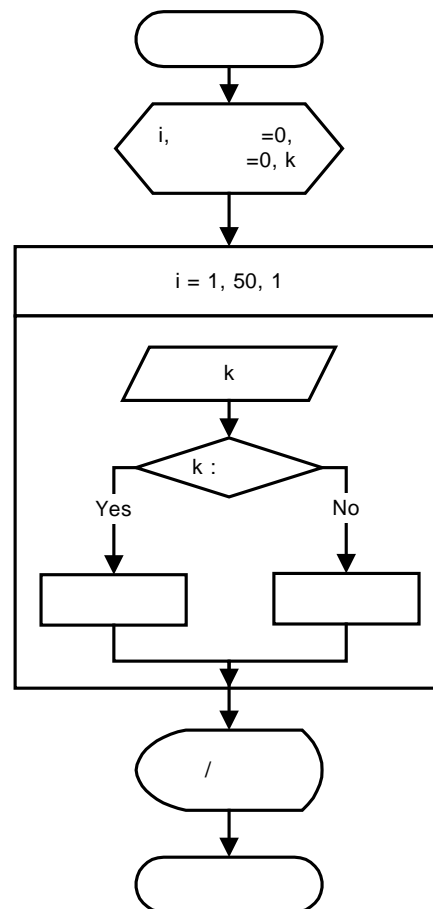
3.

가

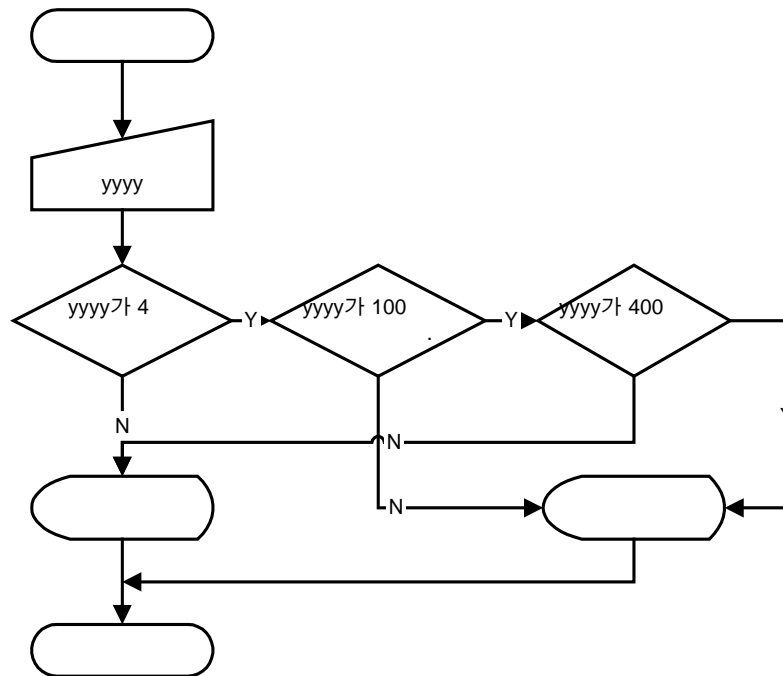
4. 50

1 - 3

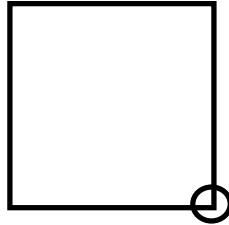
5.



1. 4 0
2. 1 100
3. 2 400



가 10



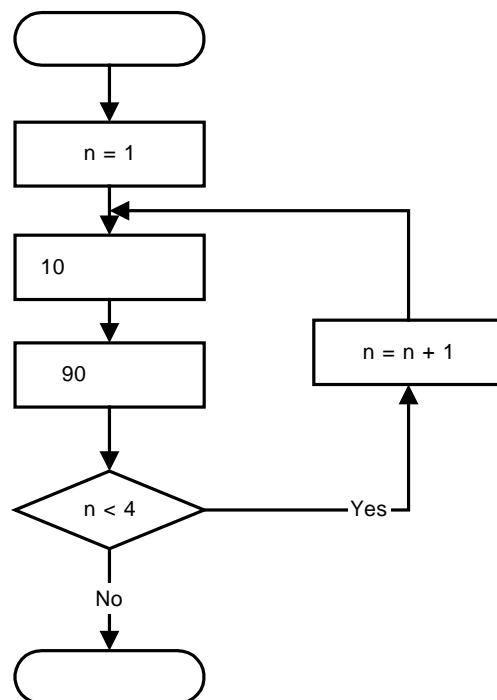
가

가

90

4

n





1, 2, 3, 4

1. 가 .

2. 1 1000 .

3. $1 + 1/2 + 1/3 + 1/4 + \dots + 1/10$

.

4. .

5. .

6. .

7. 10 가

.

1. , , , , 1999.
2. , , , , 1998.
3. , , . , 1997.
4. , , , 1999.
5. , , , 1998.
6. , , , , 1995.
7. , / ,
,1996.
8. , , /, , 1993.