

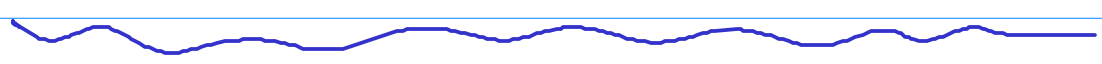
طرحی دیگر

①

```
2 * r cin >> r;
```

```
r * r cout << 2 * 3, 14 * r;
```

```
cout << 3, 14 * r * r;
```



```
#include <math> <math> |n| = \begin{cases} n & n \ge 0 \\ -n & n < 0 \end{cases} \quad \text{②}
```

```
int n;
```

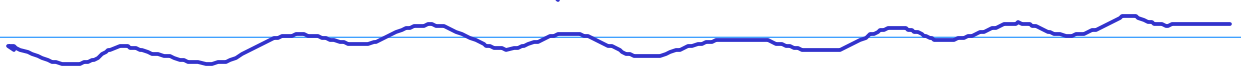
```
cin >> n;
```

```
if (n >= 0)
```

```
    cout << n;
```

```
else
```

```
    cout << -n;
```



100

1000

③

```
for (i = 100; i < 1000; i++)
```

```
    cout << i;
```

999 100

9

for (i=999, i >= 100; i--)

cout << i;

for (i=999, i >= 100; i=i-2)

cout << i;

✓

999

997

995

cin >> n;

n = 10

فرق
-

for (i=1; i <= n; i++)

1

{ cin >> a;

even odd

4

1

if (a % 2 == 0) 13

↓

even ++;

6

2

else

15

2

odd ++;

8

3

}

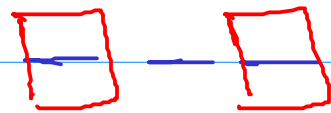
cout << even << odd

0 100 100 نوع کو عدد از (۲)

```
for(i=0; i<100; i=i+2)
    cout<<i;
```

0
2
4

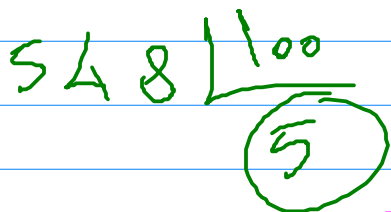
98



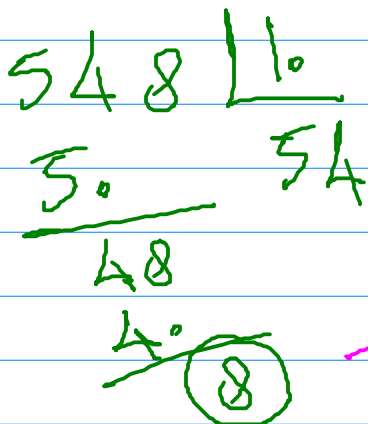
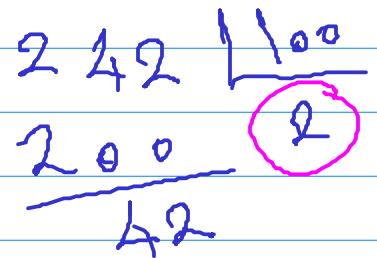
(۳)

2 4 2

5 4 8

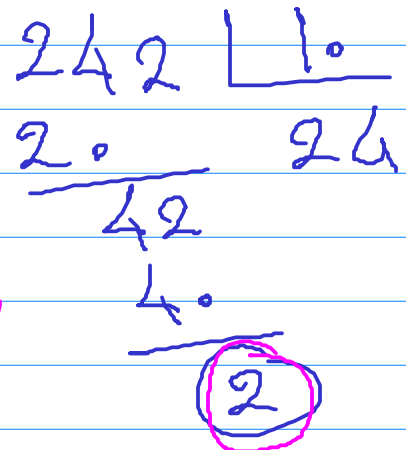


9/100



9/10

9/10



?

```
for (i=100; i<1000; i++)
```

```
    if (i/100 == i%10)
```

```
        cout << i;
```

$\omega = \{1, \omega\}$ (1)

$\Lambda = \{1, \gamma, \epsilon, \Lambda\}$

1 2 3 4 5 6 7 8

```
cin >> n;
```

```
for (i=1; i<=n; i++)
```

```
    { cin >> a; (1)
```

```
        for (j=1; j<=a; j++)
```

```
            if (a%j == 0)
```

```
                t++;
```

```
            if (t == 2)
```

```
                cout << a;
```

```
        }
```

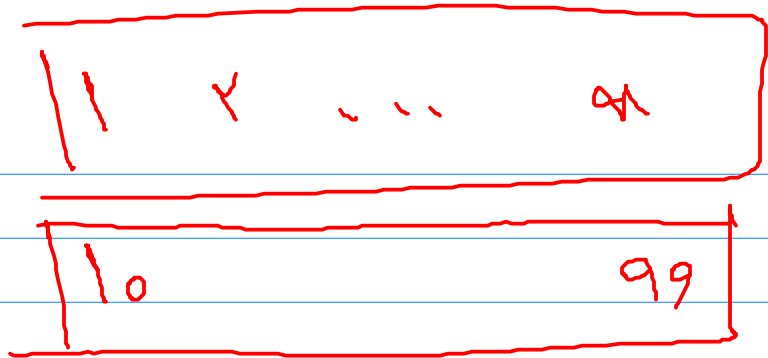
1 2 3 4 5 6 7 8

t=2

(2)

تعداد مقسوم علیه ها

(3)



```
for (i=10; i<=99; i++)
```

کتابت 9

اینجا به اول است

```
for (j=1; j<=i; j++)
```

```
if (i % j == 0)
```

```
t++;
```

تعداد

صفحه

علاوه بر i

بعد از این اول بودن

```
if (t == 2)
```

```
cout << i;
```

}

کتابت 12

```
for (i=10; i<=99; i+=2)
```

```
for (j=1; j<=i; j++)
```

```
fact *= j;
```

*

فاکتوریل i

فکتوریل
حاصل

```
cout << fact;
```

۱! ۱۱! ۱۲!

```
sum += fact;
```

۱! + ۱۱! + ۱۲! + ... + ۱۹!

```
cout << sum;
```

جمع فکتوریل چند عدد

نمره ۱۵

```
cin >> n;
```

گرفتن تعداد اعداد

```
for (i = 1; i <= n; i++)
```

```
{ cin >> a;
```

گرفتن اعداد از کاربر

```
for (z = 1; z <= a; z++)
    fact *= z;
```

فکتوریل a

a!

فکتوریل
جمع

```
sum += fact;
```

گرفتن همه اعداد
می بیند فکتوریل هر عدد
جمع فکتوریل هر عدد

1 1 2 3 5 8 13

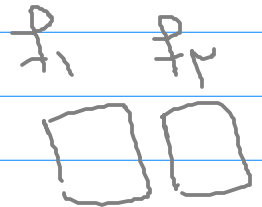
تجميع و حساب

$Cin \gg n;$

تعداد محلات

$f_1 = 1;$

$f_2 = 1;$



$sum = 0;$

for ($i = 3; i \leq n; i++$)

{ $f_3 = f_1 + f_2; \quad f_3 = 1 + 1 = 2$

$sum += f_3;$

sum	f3
2	2

$f_1 = f_2;$

$f_2 = f_3;$

}

1 1 2 3 5 8

cout << sum;

$P = 1;$

$Cin \gg m \gg n;$

for ($i = 1; i \leq n; i++$)

* $P = P * m;$

m^n (مرفوع 19)
 $= \underbrace{m * m * \dots * m}_n$

Cost $\ll P$;

m	n	P	i^0
5	3	1	1
		5	
		10	
		15	

مکمل ۲۰
۳

for (i=1; i <= n; i++)

for (j=1; j <= i; j++)

fact = fact * j;

فکتوریل

sum += $\frac{1}{fact}$;

1! 2! 3! n!

$$0 + \frac{1}{1!} = \frac{1}{1!}$$

$$\frac{1}{1!} + \frac{1}{2!} + \dots$$

فکتوریل

for (i=1; i <= n; i++)

sum += i;

sum = 1;

cin >> n;

سنت چکر

for (i = 1; i <= n; i++)

for (j = 1; j <= i; j++)

fact = fact * j;

P * = n;

sum += $\frac{P}{fact}$;

1
n = n
n² = n * n
1 2 3
n n n