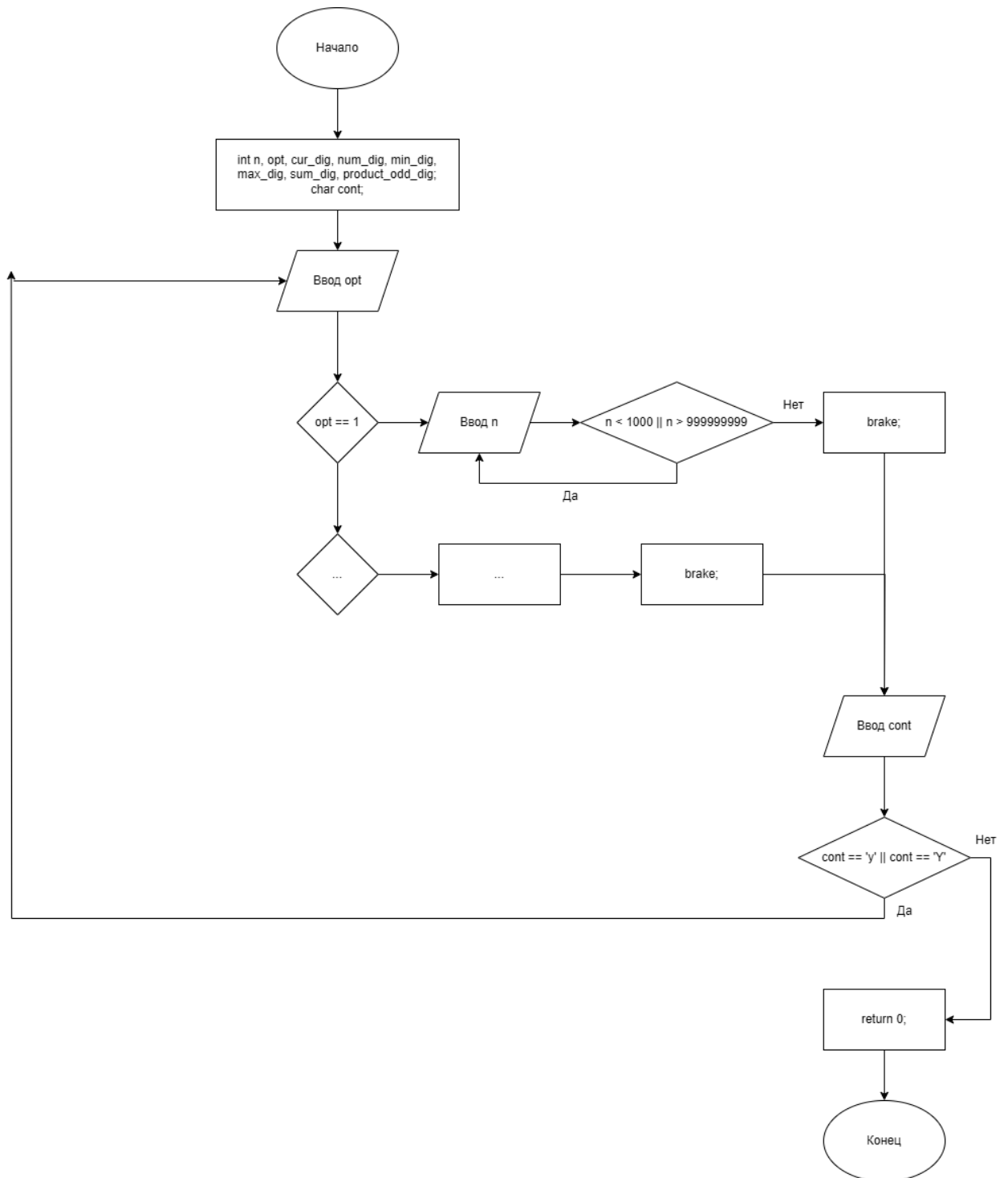


## Задание 1

```
Enter number A: 9
Enter number B: 1001
Enter number A: 250
Enter number B: 746
Sum of divisors of A and B: 1590
Product of count of divisors of A and B: 32
Sum of the product of odd divisors of number A and the sum of even divisors of number B: 16373
The maximum common divisor of A and B: 2
```

## Задание 2

### Блок-схема



### Опция 1

```
Enter option: 1
Enter a number: 45
Enter a number: 65193

Do you want continue [Y|N]?
```

## Опция 2

```
Enter option: 2
Enter a number: 3625940
The digits of the number: 0 4 9 5 2 6 3

Do you want continue [Y|N]?
█
```

## Опция 3

```
Enter option: 3
Enter a number: 143574903
The number has 9 digit(s)

Do you want continue [Y|N]?
█
```

## Опция 4

```
Enter option: 4
Enter a number: 43863781
The lowest digit of the number: 1
The highest digit of the number: 8

Do you want continue [Y|N]?
█
```

## Опция 5

```
Enter option: 5
Enter a number: 224097
The sum of the digits of the number: 24

Do you want continue [Y|N]?
█
```

## Опция 6

```
Enter option: 6
Enter a number: 1357683
the product of the odd digits: 315

Do you want continue [Y|N]?
█
```

## Опция 7

```
Enter option: 7
Enter a number: 723975012
The inverted version of the number: 210579327
Do you want continue [Y|N]?
█
```

### Задание 3

#### Опция 1

```
Enter option: 1
Enter the value of x: 10
Enter the number of terms: 10

Do you want continue [Y|N]?
```

#### Опция 2

```
Enter option: 2
Serie terms:
10 50 166.667 416.667 833.333 1388.89 1984.13 2480.16 2755.73 2755.73
Final result:
e^10 = 12842.3

Do you want continue [Y|N]?
```

#### Опция 3

```
Enter option: 3
Serie terms:
-33.3333 83.3333 -166.667 277.778 -396.825 496.032 -551.146 551.146 -501.042
Final result:
ln(1 + 10) = -230.725

Do you want continue [Y|N]?
```

#### Опция 4

```
Enter option: 4
Serie terms:
-166.667 833.333 -1984.13 2755.73 -2505.21 1605.9 -764.716 281.146 -82.2064 19.5729
Final result:
sin(10) = 2.76109

Do you want continue [Y|N]?
```

#### Опция 5

```
Enter option: 5
Serie terms:
-50 416.667 -1388.89 2480.16 -2755.73 2087.68 -1147.07 477.948 -156.192 41.1032
Final result:
cos(10) = 6.66456

Do you want continue [Y|N]?
```

## Опция 6

```
Enter option: 6
Enter the value of x: 0.5
Serie terms:
1 0.75 0.5 0.3125 0.1875 0.109375 0.0625 0.0351562 0.0195312 0.0107422
Final result:
1 / (1 - 0.5)^2 = 3.9873
Do you want continue [Y|N]?
```