

## 1. Листинг кода

```
from math import*

while True:
    a = float (input("Input A: "))
    b = float (input("Input B: "))
    x = float (input("Input X: "))

    result = (1 / (b ** 2)) * (log(2 * x - 1) + (5 * a) / (2 * x - 1) - (7 * (a ** 2)) / (2 * x - 1) ** 2 +
    (10 * (a ** 3)) / (3 * (2 * x - 1) ** 3) - (7 * (a ** 4)) / (4 * (2 * x - 1) ** 4))
    print("Result: ", round(result.real, 2))

    flag = int (input("Input 0 for exit, input 1 for continuation: "))
    if flag == 0:
        break
```

## Результат работы

```
Input A: 1
Input B: 1
Input X: 1
Result:  -0.42
Input 0 for exit, input 1 for continuation: 1
Input A: 2
Input B: 3
Input X: 4
Result:  0.32
Input 0 for exit, input 1 for continuation: 1
Input A: 5
Input B: 6
Input X: 7
Result:  0.1
Input 0 for exit, input 1 for continuation: 0
Press any key to continue . . . _
```