








Задание:

Для любых значений x , y вычислить значение выражения

$$F = \frac{\ln\left(\sqrt{x-y}\right)}{(x-y)(x^4 + y^4 + 4x^2y^2)} \cdot \ln\left(\sqrt{1+x^2+y^2}\right).$$

```
1 import math
2 x = int(input('Enter x: '))
3 y = int(input('Enter y: '))
4 a = math.log(pow(x-y, .5))
5 b = (x-y) * (x ** 4 + y ** 4 + 4 * x ** 2 * y ** 2)
6 c = math.log(math.sqrt(1 + x ** 2 + y ** 2))
7 F = a*c/b
8 print("F= ", F)
9
10
11
```

Run:  main ×

  /Users/trippleblvck/PycharmProjects/pythonProject/ve
 Enter x: 9
 Enter y: 2
 ('F= ', 3.931955331602037e-05)
 Process finished with exit code 0

