

Простые числа



//массивы ни при чем

```
function test_na_prosototu(number)
```

```
{
```

2147483647

```
}
```

```
function razlogenie_na_monogiteli(number)
```

```
{
```

4611686014132420609

```
    x=int(input("input x"))
```

```
    n=2
```

```
    while x>1:
```

```
        if x%n==0:
```

```
            print(n)
```

```
            x=x//n
```

```
        else:
```

```
            n+=1
```

133

V133=12

133=7*19

```
x=int(input("input x"))
```

```
n=2
```

```
y=x**0.5
```

```
while n<=y:
```

```
    if x%n==0:
```

```
        print(n)
```

```
        x=x//n
```

```
        y=x**0.5
```

```
    else:
```

```
        n+=1
```

```
print(x)
```

```
x=int(input("input x"))
```

```
n=2
```

```
while n<=x:
```

```
    if x%n==0:
```

```
        print(n)
```

```
        x=x//n
```

```
    else:
```

```
        n+=1
```

```
x=int(input("input x"))
```

```
n=2
```

```
f=1
```

```
y=x**0.5
```

```
while n<y:
```

```
    if x%n==0:
```

```
        f=2
```

```
        break
```

```
    n+=1
```

```
if f==2:
```

```
    print("NOTPRIME")
```

```
else:
```

```
    print("PRIME")
```