

```
def prime(n):  
    d = 2  
    while n % d != 0:  
        d += 1  
    return d == n
```

```
n = int(input())  
if prime(n):  
    print("YES")  
else:  
    print("NO")
```

```
def prime(n):  
    d = 2  
    while d * d <= n and n % d != 0:  
        d += 1  
    return d * d > n
```

```
n = int(input())  
if prime(n):  
    print("YES")  
else:  
    print("NO")
```

```
def prime(n):  
    if n % 2 == 0:  
        return n == 2  
    d = 3  
    while d * d <= n and n % d != 0:  
        d += 2  
    return d * d > n
```

```
n = int(input())  
if prime(n):  
    print("YES")  
else:  
    print("NO")
```

```
def prime(n):  
    if n % 2 == 0:  
        return n == 2  
    d = 3  
    while d * d <= n and n % d != 0:  
        d += 2  
    return d * d > n
```

```
n, m = map(int, input().split())  
flag = 0  
for i in range(n, m + 1):  
    if prime(i):  
        print(i)  
        flag = 1  
if flag == 0:  
    print("Absent")
```

```
m, n = map(int, input().split())
a = [True] * (n + 1) # Заполняем список так будто бы все числа простые (True)
a[1] = False
i = 2
while i * i <= n: # Цикл до корня
    if a[i] != False:
        j = i * i
        while j <= n:
            a[j] = False
            j += i
        i += 1

flag = False
for i in range(m, len(a)):
    if a[i]:
        print(i)
        flag = True
if not flag:
    print("Absent")
```

```
a = []
def eratos(n):
    a = [True] * (n + 1) # Заполняем список так будто бы все числа простые (True)
    a[1] = False
    i = 2
    while i * i <= n: # Цикл до корня
        if a[i] != False:
            j = i * i
            while j <= n:
                a[j] = False
                j += i
            i += 1
    return a
```

```
m, n = map(int, input().split())
prime = eratos(n)
# print(prime)
```

```
flag = 0
for i in range(m, len(prime)):
    if prime[i]:
        print(i)
        flag = 1
if flag == 0:
    print("Absent")
```