



```
import math
```

```
eps = 0.01
```

```
x = 0.1
```

```
s = 0
```

```
fakt = 1
```

```
z1 = 1
```

```
i = 1
```

```
z = 1
```

```
while math.fabs(z) > eps:
```

```
    s = s + z
```

```
    fakt = fakt * i
```

```
    z1 = z1 * x
```

```
    z = z1 / fakt
```

```
    i = i + 1
```

```
print('S =', s)
```

```
S=1.1
```

```
>>>
```