

## Problem YE

Source Filename: ye/solution.py

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### 1. Packages

```
import random
```

### 2. Functions

```
def rand_step(x, d, ymax, wrap=True):  
    """Returns the sum of x and a random float between -d and d"""  
    step = random.uniform(-d, d)  
    y = x + step  
    if wrap:  
        if y > ymax:  
            y = y - ymax  
        elif y < 0:  
            y = ymax + y  
    else:  
        if y > ymax:  
            y = ymax  
        elif y < 0:  
            y = 0  
    return y  
  
def rand_steps(x0, d, ymax, n, wrap=True):  
    """Returns a list of n floats sequentially stepped from x0"""  
    values = [x0]  
    for i in range(0, n):  
        values.append(rand_step(values[-1], d, ymax, wrap=wrap))  
    return values  
  
def print_slider(k, x):  
    """Prints k '-' characters except for that with index  
    closest to x, which prints |  
    """  
    x_rounded = round(x)
```



```

rand_sliders(20, 44, x0=42, d=5, wrap=False):

```