Kolmogorov–Smirnov test

Input

File in *.pkl* format with included:
numbers for testing;
n, which is a number of numbers;
Modulus used in PRNG recursion;
PRNG, the name of PRNG used to generate numbers.
Directory with files only in format described in the last point.

Results

As a result you get *p-values* saved in the *p-values.csv* file in the working directory, if non have beed specified.

Usage

To use *Kolmogorov–Smirnov test*, you need to run *z3KStest.py* using python version 3 with installed *numpy*, *scipy*, *argparse* and *pandas* packages.
To learn how to use this test, it is advised to run programme with one of the following commands:

```
python3 z3KStest.py --help
python3 z3KStest.py -h
```

Examples

```
python3 z3KStest.py --input-file pickle.pkl
python3 z3KStest.py     #if there is a file in working directory described in --help
python3 z3KStest.py --input-dir numbers_dir  #takes many pickles from directory
python3 z3KStest.py --pval-file pvalues.csv  #saves p-values in specified .csv file
```