

MT19937 PRNG

Built-in PRNG in Python's *numpy* package.

Input

All inputs are explained in *-h*. To find out more, skip to *Usage* section.

Results

As a result you get *.pkl file* generated in specified directory with specified name, given after *-output-file* flag. If none, there is a default name given (check Usage section).

Usage

To use *MT19937*, you need to run *z3mt19937.py* using python version 3 with installed *numpy*, *argparse* and *pickle* packages.

To learn how to use this PRNG, it is advised to run programme with one of the following commands:

```
python3 z3mt19937.py --help
python3 z3mt19937.py -h
```

Examples

```
python3 z3mt19937.py --output-file 'numbers.pkl' #saves results in file 'numbers.pkl' in working directory
python3 z3mt19937.py -n 10000 #generates 10000 numbers
python3 z3mt19937.py -n 10 -M 16 --seed 666 #generates 10 numbers with modulus equal to 16 and seed 666
python3 z3mt19937.py --output-file ' ' #does not generate file, only prints out numbers on the screen
```