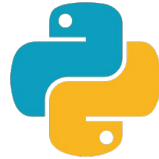


PRNG EM PYTHON



Isadora Ferrão, João Otávio, Sherlon e Vinicius
Grupo: SI-JV

PRNG EM PYTHON



random: 34
numpy.random: 1
os.urandom: 2
getrandbits: 1



DuckDuckGo

random = 19



random: 17
numpy.random: 4
os.urandom: 2
blum-blum-shub: 1
numpy.random_intel: 1
mersenne-twister: 1

PRNG EM PYTHON

TOTAL

Random = 70

numpy.random = 5

os.urandom = 4

TOTAL

blum-blum-shub = 1

numpy.random_intel = 1

getrandbits= 1

mersenne-twister = 1

Média Geral: 11,85%

PRNG EM PYTHON

mersenne-twister

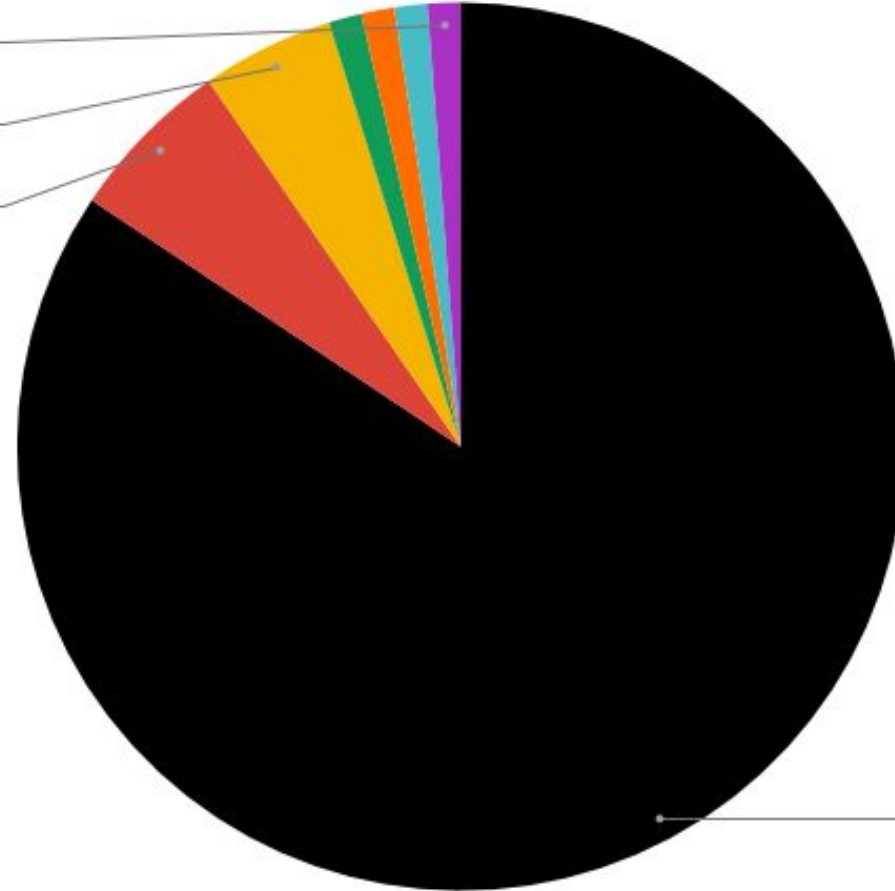
1,2%

os.urandom:

4,8%

numpy.random

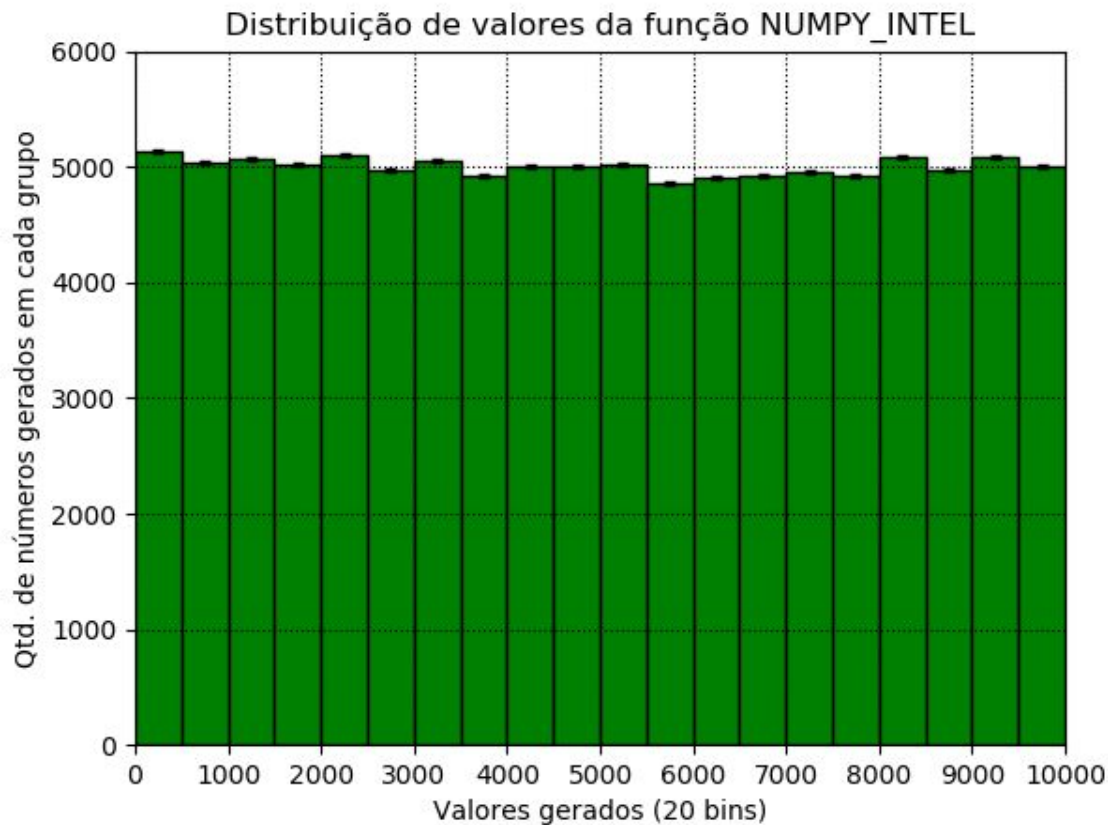
6,0%



random

84,4%

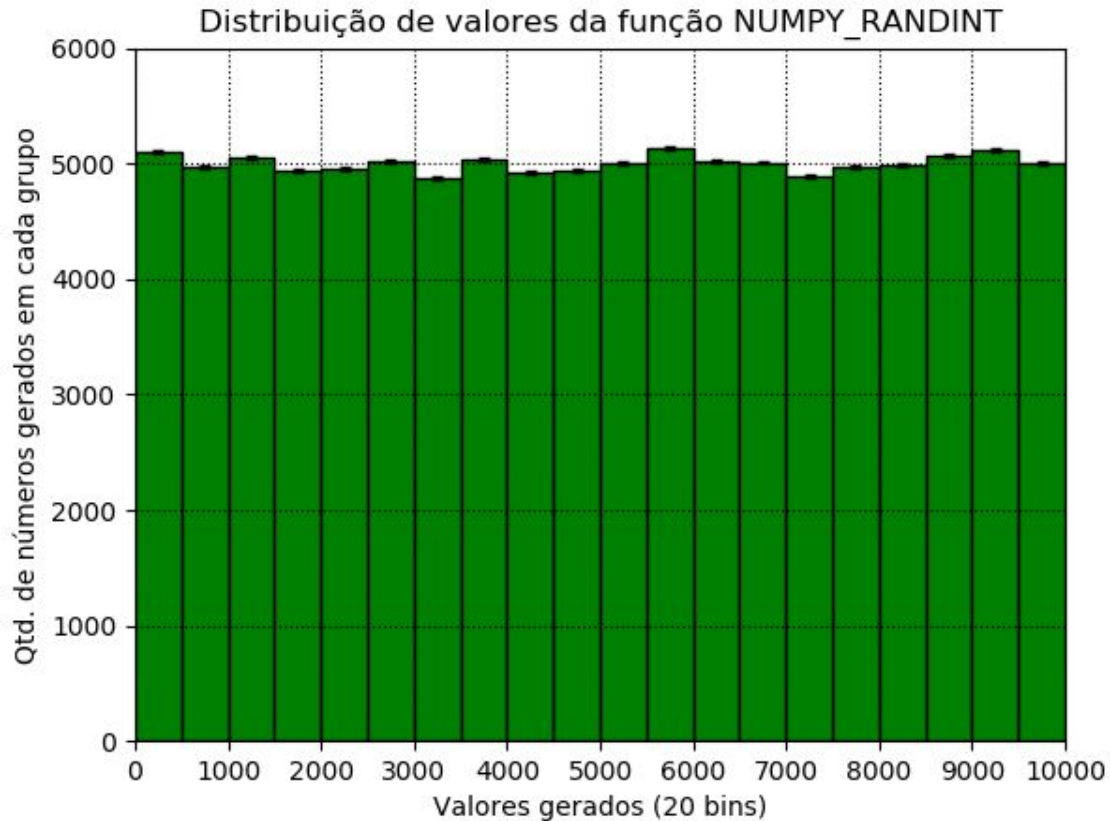
HISTOGRAMA: NUMPY_INTEL_RANDOM



Desvio padrão: 72,39

Erro padrão: 16,18

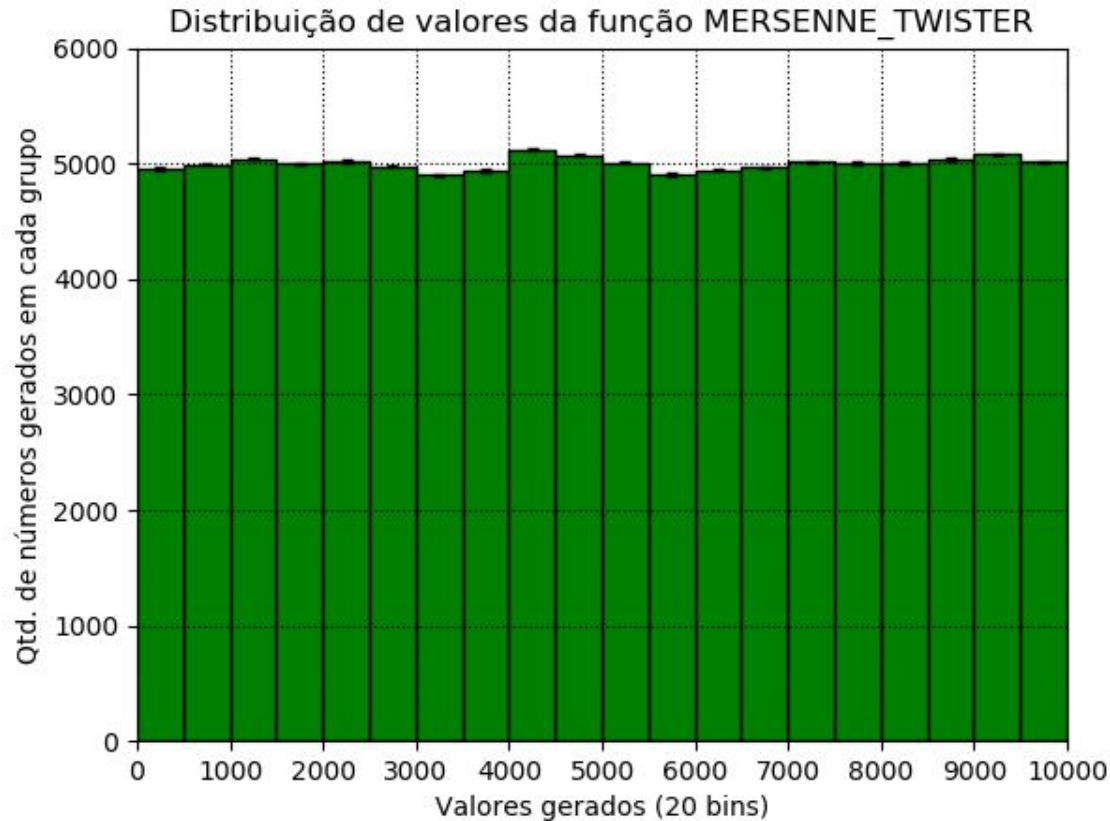
HISTOGRAMA: NUMPY_RANDOMT



Desvio padrão: 70,26

Erro padrão: 15,71

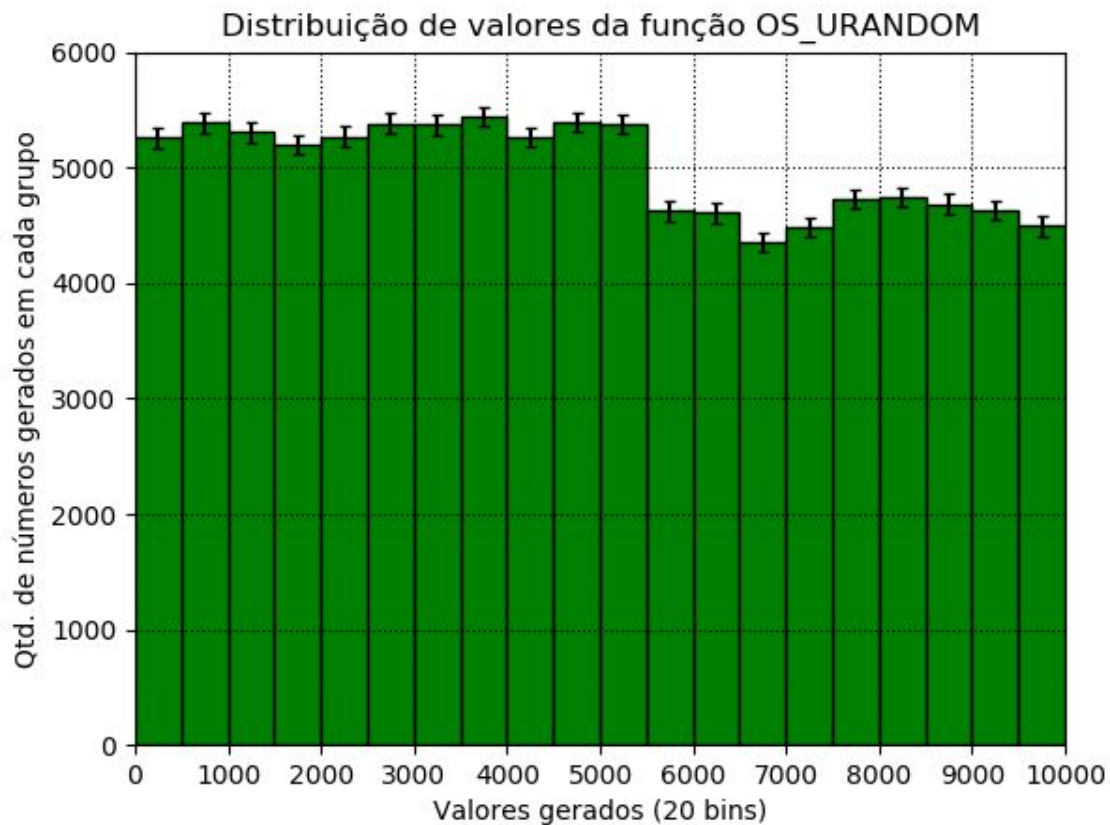
HISTOGRAMA : MERSENNE_TWISTER



Desvio padrão: 54,52

Erro padrão: 12,19

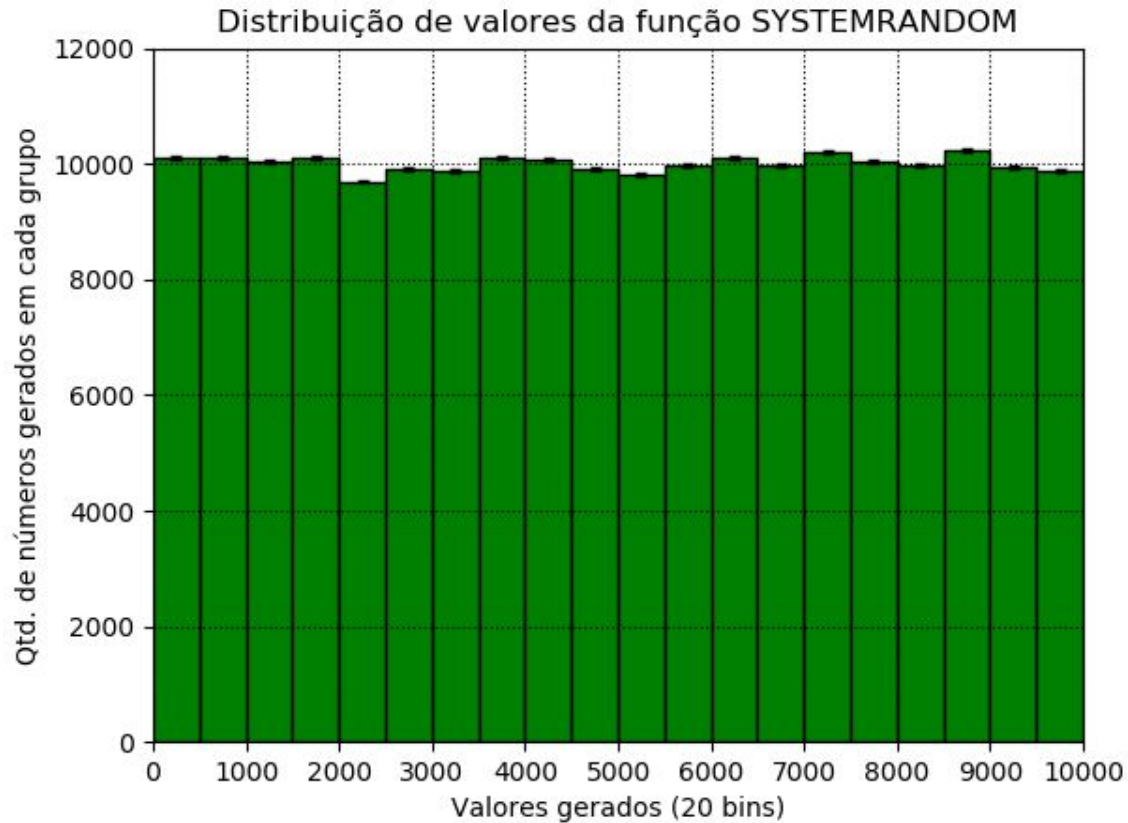
HISTOGRAMA: OS_URANDOM



Desvio padrão: 379,96

Erro padrão: 84,96

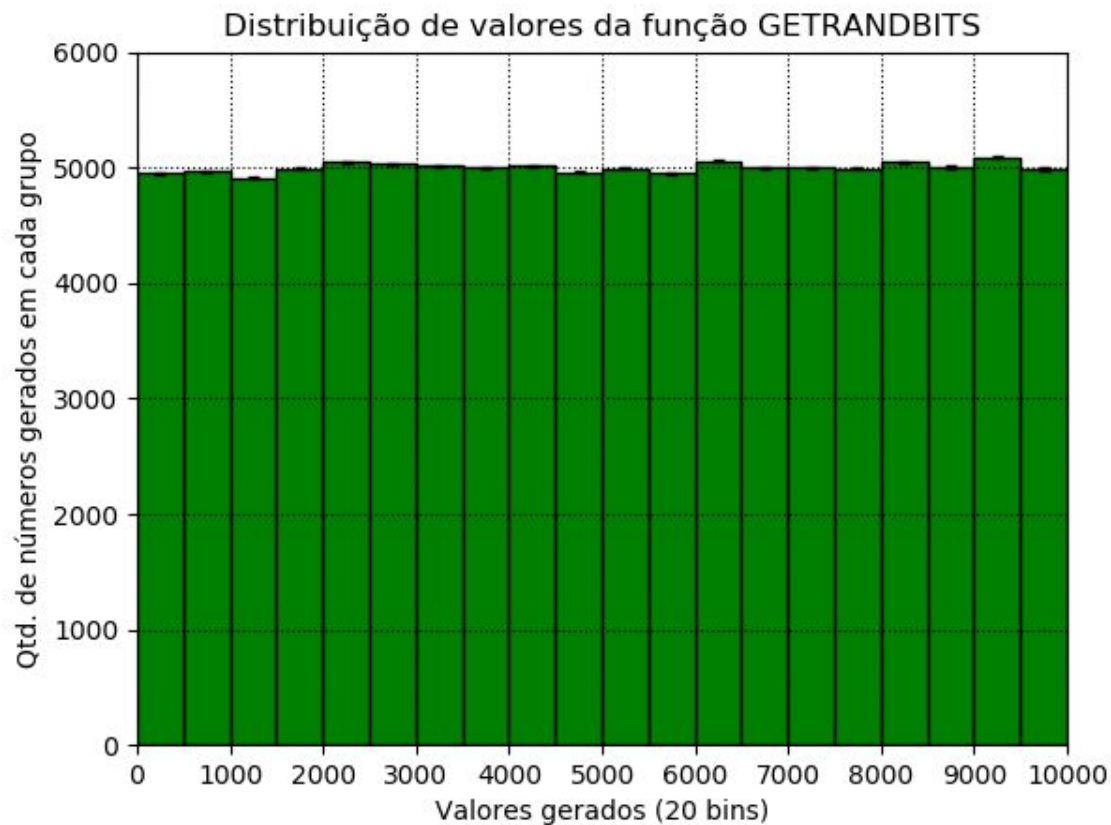
HISTOGRAMA: SYSTEMRANDOM



Desvio padrão: 130,81

Erro padrão: 29,25

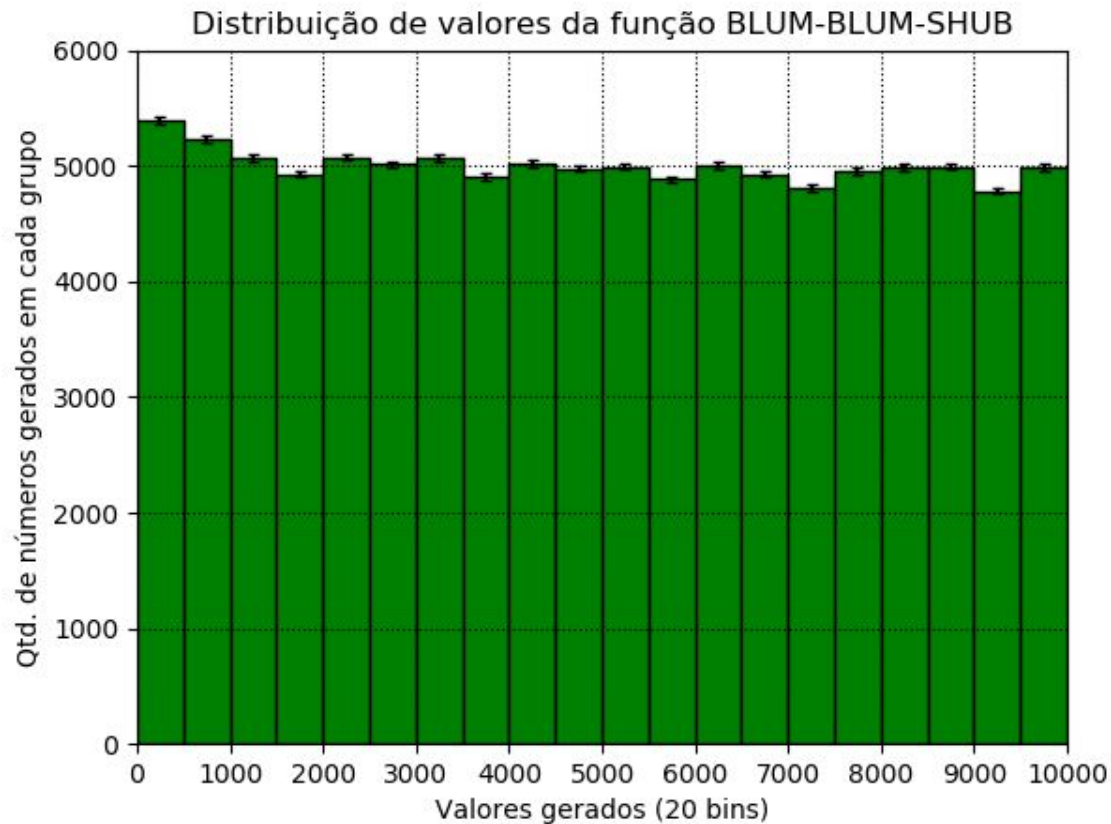
HISTOGRAMA: GETRANDBITS



Desvio padrão: 41,02

Erro padrão: 9,1

HISTOGRAMA BLUM-BLUM-SHUB

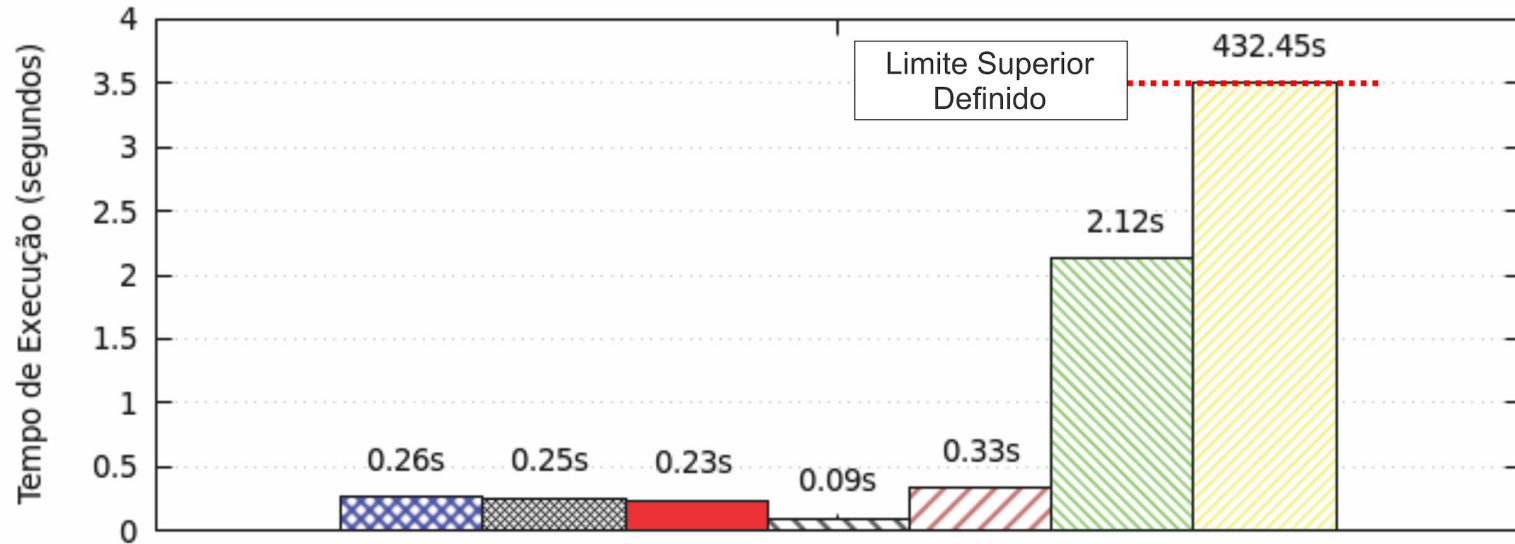


Desvio padrão: 130,79








Erro padrão: 29,24

PRNG EM PYTHON

Avaliação de execução entre PRNGs



PRNGs - Geradores de Números Pseudo-Aleatórios

Legenda					
NUMPY RANDOM		GETRANDBITS		BLUM BLUM SHUB	
MERSENNE TWISTER		NUMPY INTEL			
OS URANDOM		SYSTEMRANDOM			

RELATÓRIO

Disponível em: <https://goo.gl/P3bZFw>



PRNG EM PYTHON

OBRIGADO! PERGUNTAS?



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Grupo: JIS