



随机数生成

生成10个 $x \in [0, 1]$ 的实数：

```
x =  
[0.80255514392315, 0.13135710925014, 0.12167870338622, 0.93060283853631, 0.70472  
181509362, 0.17548726249029, 0.31178731596075, 0.49495062093894, 0.0056439069031  
31, 0.0071388907091434]
```

生成10个 $y \in [-10, 10]$ 的整数

```
y = [-4, -3, 0, -2, 2, -4, 2, 8, 2, -8]
```

生成10个 $z \in [-10, 10]$ 的实数

```
z =  
[-2.9974510643776, -4.2039463958932, 5.197320499011, 2.593770572193, 1.163601654  
078, -3.6034063602813, -0.66328301227012, -8.6500047583891, -1.1906271818583, 7.8  
145701882262]
```

```
local print = require('package.print').print
local mol = libminoptlab
```

```
local rnd = mol.random.new()
local n = 10
```

```
local x = {}
for i = 1, n do
    table.insert(x ,rnd:generate ())
end
print(x)
```

```
local y = {}
local a = -10
local b = 10
rnd:set_l(a)
rnd:set_u(b)
for i = 1, n do
    table.insert(y ,mathx.round(rnd:generate ()))
end
print(y)
```

```
local z = {}
for i = 1, n do
    table.insert(z,rnd:generate ())
end
print(y)
```

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