

Roll ? ? . 0 0 0 Deal

<p>? y yields a uniform random selection from the population i . y . The random seed used begins at 7^5 (16807); it is unaffected by the use of ? . .</p>	<p>x ? y is a list of x items randomly chosen without repetition from i . y . The corresponding use of ? . does not affect the random seed.</p>
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Use of the fixed seed function ? . makes examples reproducible:

```
? . 6
0
```

```
? . 6 6 6 6 6 6 6 6 6
0 4 2 3 1 0 4 4
```

```
6 ? . 6                    A random permutation
5 1 2 4 3 0
```

```
mean=: +/ % #
mean ? . 1000 # 6
2.497
```

```
m=: ? . 4 4 $ 9            A random matrix for experimentation
m
1 6 4 4
1 0 6 6
8 3 4 7
0 0 4 6
```

```
-/ . * m                    The determinant of m
588
```

```
f=: ? .@$ % ] - 1:
<3 6 f 9                    Random 3 by 6 table in range zero to one with resolution 9
```

```
+-----+
| 0.125 0.75 0.5    0.5 0.125    0 |
| 0.75 0.75    1 0.375    0.5 0.875 |
|    0    0 0.5    0.75    0 0.375 |
+-----+
```

The random seed (a beginning value for the pseudo-random number generator) is set by the foreign conjunction using 9!:1, and queried with 9!:0.