

```

1  #include <math.h>
2  #include <stdio.h>
3  #include <stdlib.h>
4
5  #define FUNC(a,b)                                \
6      a ^= b;                                     \
7      b ^= a;                                     \
8      a ^= b;                                     \
9
10 int main() {
11     int n = 100;
12     int v[100];
13     int i, i1, i2;
14
15     srand48(0);
16
17     for (i = 0; i < n; ++i) {
18         v[i] = i+1;
19     }
20
21     for (i = 0; i < n; ++i) {
22         i1 = ceil(drand48() * n);
23         i2 = ceil(drand48() * n);
24         FUNC(v[i1], v[i2]);
25     }
26
27     for (i = 0; i < 100; ++i) {
28         printf("%d\n", v[i]);
29     }
30 }

```