```
Input: the internal state x
(x is an array of N 1-bit words)

Output: an array r of N 1-bit words

a \leftarrow XORshift1();
m \leftarrow a \ mod \ 2 + c
for i = 0, \dots, m \ do
b \leftarrow XORshift2();
S \leftarrow b \ mod \ N;
x_S \leftarrow \overline{x_S};
end for
r \leftarrow x;
return r;
An arbitrary round of CI generator
```