

Input: the internal state x (x is an array of N 1-bit words)
Output: an array r of N 1-bit words
$a \leftarrow ISAAC();$ $m \leftarrow a \bmod 2 + c$ for $i = 0, \dots, m$ do $\quad b \leftarrow XORshift();$ $\quad S \leftarrow b \bmod N;$ $\quad x_S \leftarrow \overline{x_S};$ end for $r \leftarrow x;$ return $r;$
An arbitrary round of CI generator