

PERMUTE-BY-CYCLE(A, n)

- 1 **let** $B[1 : n]$ **be** a new array
- 2 $offset = \text{RANDOM}(1, n)$
- 3 **for** $i = 1$ **to** n
- 4 $dest = i + offset$
- 5 **if** $dest > n$
- 6 $dest = dest - n$
- 7 $B[dest] = A[i]$
- 8 **return** B