

RANDOM-SAMPLE(m, n)

1 $S = \emptyset$

2 **for** $k = n - m + 1$ **to** n // iterates m times

3 $i = \text{RANDOM}(1, k)$

4 **if** $i \in S$

5 $S = S \cup \{k\}$

6 **else** $S = S \cup \{i\}$

7 **return** S