Acquire Problem Data

\[ n = \text{number volume desired} \]
\[ n_1 = \text{smallest integer} \]
\[ n_2 = \text{largest integer} \]

Notes: Either use hard-coded from or spreadsheet input.
Determine if valid

\[ \text{valid} = m \leq \text{maxN} \]

Report as invalid

Write message echoing data.
Determine Solution

\[
\begin{align*}
\text{found} &= 0 \\
\text{nrand} &= \text{GenerateRandomNumber}(n1, n2) \\
\text{found} &= 1 \\
\text{soln}(\text{found}) &= \text{nrand} \\
\text{while} \, \text{found} < \text{N} \\
\text{nrand} &= \text{GRN}(n1, n2) \\
\text{Determine If Unique} \\
\text{if Unique} \\
\text{F} \\
\text{F} \\
\text{X} \\
\text{ret.}
\end{align*}
\]
Report Solution

Results: Write data to spreadsheet

For $i = 1$ to $M$

$\text{Cells}(10+i, 2).\text{Value} = \text{soln}(i)$