Éric Angelini, Lars Blomberg, Charlie Neder, Rémy Sigrist, and N. J. A. Sloane "Choix de Bruxelles": A New Operation on Positive Integers, Fibonacci Quart. 57 (2019), no. 3, 195-200.


#### Abstract

The "Choix de Bruxelles" operation replaces a positive integer $n$ by any of the numbers that can be obtained by halving or doubling a substring of the decimal representation of $n$. For example, 16 can become any of $16,26,13,112,8$, or 32 . We investigate the properties of this interesting operation and its iterates.


