A simple method for fast factoring

Abstract: A simple and fast factoring algorithm that requires only copy paste, the modular operation, and paired additive partitions of the number.

- 1. Given any integer, arrange it in additive partitions, so two columns 1:N-1; 2:N-2...N/2:N/2 or N/2+1:N/2-1. So for example, 8:
 - 1 7
 - 2 6
 - 3 5
 - 4 4
- 2. Make as many copies of this list as there are primes less than the square root of the number.
- 3. Change the entries of each list into the remainder produced by dividing each element by one of the primes. Make sure to use one prime per list.
- 4. The lists where the zeros line up with each other are the factors of your number. In the example with 8, you can see that modulo 2, the rows 2:6 and 4:4 become 0:0. This occurs iff an additive partition contains the factors of the number being summed. Most, or all spreadsheets have the modulo operation so this should be accessible to anyone capable of understanding this.