Info: The code should be as fast and concise as possible. The readability of the code is secondary, but comments are desired.

Challenge 6

It is possible to write ten as the sum of primes in exactly five different ways:

$$7+3$$
 $5+5$
 $5+3+2$
 $3+3+2+2$
 $2+2+2+2+2$

What is the first value which can be written as the sum of primes in over five thousand different ways?