Project Euler.net

Prime Summations

`Problem 77`

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?