Challenge

Spare Time Teaching

January 28, 2014

You may not add parameters or change the output.

Problem

Write a function that takes a number, and returns the smallest number of squares that sums to that number.

$$7 = \overbrace{2^2 + 1^2 + 1^2 + 1^2}^{4}$$
$$32 = \underbrace{4^2 + 4^2}_{2}$$

Example

```
> (ch 7)
4
> (ch 32)
2
> (ch 24)
3
```