

Consider numbers 15, 16 and 18

$15 = 3 \times 5$ and $3+5 = 8$

$16 = 2 \times 2 \times 2 \times 2$ and $2+2+2+2 = 8$

$18 = 2 \times 3 \times 3$ and $2+3+3 = 8$

We define $G(k)$ as a sum of all the numbers 'n', where the sum of prime numbers is equal to 'k'.

The 'k' starts at value 2 (1 is omitted).

Ex. $G(8) = 15 + 16 + 18 = 49$

Other examples:

$G(1) = 0$

$G(2) = 2$

$G(3) = 3$ <= $3+0=3$ so we just add 3

$G(5) = 5 + 6 = 11$ <= $2+3=5$ so we add $2 \times 3=6$ && $5+0=5$ so we just add 5

$G(8) = 15 + 16 + 18 = 49$

the fibonacci sequence is $F1 = 1$, $F2 = 1$, $F3 = 2$, $F4 = 3$, $F5 = 5$, $F6 = 8$

give us the array of next 4 digits of the SUM, defined by SUM from= n ($G(Fn)$) to= $n+3$, while the is always $n > 2$

request a parameter in <http://yourhost/sum/n> <= n is the number from where we start the count

return should be structured JSON in form Ex. $\{\text{input}:3, \text{result}:[2,3,11,49]\}$