* Smallest Value After Replacing with Sum of Prime Factors

Iterative / recursive

$15 \longrightarrow 3\times5 \Rightarrow 5+3=8 \longrightarrow 2\times2\times2 \Rightarrow 2+2+2=6 \rightarrow 2\times3 \Rightarrow$

$\therefore 2+3=5 \longrightarrow 1\times5 \Rightarrow 5+1=6$ ✗

$20 \longrightarrow 2\times2\times5 \Rightarrow 2+2+5=9 \longrightarrow 3\times3 \Rightarrow 3+3=6 \longrightarrow 2\times3 \Rightarrow 2+3=5 \Rightarrow$

$5\times1 \Rightarrow 5+1=6$ ✗

check from 2 to sqrt(n) for devisiability. Obviously # dividing is a prime since we start from 2. when n<sum() terminate.