

--- Day 4: The Ideal Stocking Stuffer ---

Santa needs help [mining](#) some AdventCoins (very similar to [bitcoins](#)) to use as gifts for all the economically forward-thinking little girls and boys.

To do this, he needs to find [MD5](#) hashes which, in [hexadecimal](#), start with at least five zeroes. The input to the MD5 hash is some secret key (your puzzle input, given below) followed by a number in decimal. To mine AdventCoins, you must find Santa the lowest positive number (no leading zeroes: [1](#), [2](#), [3](#), ...) that produces such a hash.

For example:

- If your secret key is [abcdef](#), the answer is [609043](#), because the MD5 hash of [abcdef609043](#) starts with five zeroes ([000001dbbfa...](#)), and it is the lowest such number to do so.
- If your secret key is [pqrstuv](#), the lowest number it combines with to make an MD5 hash starting with five zeroes is [1048970](#); that is, the MD5 hash of [pqrstuv1048970](#) looks like [000006136ef...](#).

Your puzzle answer was [117946](#).

--- Part Two ---

Now find one that starts with six zeroes.

Your puzzle answer was [3938038](#).

Both parts of this puzzle are complete! They provide two gold stars: **

At this point, you should [return to your advent calendar](#) and try another puzzle.

Your puzzle input was [ckczppom](#).

You can also [\[Share\]](#) this puzzle.