

Problem 20 - Factorial Digit Sum

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13 June 2018

This document originally appeared as a blog post on my website. Find it at gautammanohar.com/euler/20.

1 Problem Statement

Find the sum of the digits in $N!$.

2 My Algorithm

With Python, an $O(1)$ solution is simple. We compute $n!$, convert it to a string, and sum the digits.