

MAT157 Assignment 3

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1 Solutions

Lemma 1 (Problem 0.2). *The sum $p(n)$, defined as:*

$$p(x) = \sum_{i=0}^k a_i x^i$$

where each a_i is an integer and the degree of $p(x)$ is greater than or equal to 1 will be composite for infinitely many $n \in \mathbb{Z}$.