

I8 PrimeFunc Tivenan

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1 Introduction

My prime check algorithm, works by assuming that a variable that is put into the function as true. In order to do this I created a variable isprime and set isprime equal to True. Then, I used the the algorithm of modular multiplication to determine if the variable was prime or not. If there exist a positive integer below the input variable other than 0,1 that is a multiple of the input value. Then, the input variable is not prime. The *prime_check* would then print out false. If the prime check doesn't find an integer that is a multiple of the input value. Then the function prints out isprime, which is True. So in essence the prime check assume that the input variable is true and then checks whether if the input variable is false.