

Project 3

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Contents

1	Given Information	2
2	Problem 1	2
2.1	Part A	2

1 Given Information

- $c_1 = 257261 \pmod{303799}$
- $c_2 = 117466 \pmod{289279}$
- $c_3 = 260584 \pmod{410503}$

RSA Moduli:

- $n_1 = 303799$
- $n_2 = 289729$
- $n_3 = 410503$

2 Problem 1

2.1 Part A

Find an x with $0 \leq x \leq n_1 n_2 n_3$ and $x \equiv c_1 \pmod{n_1}$, $x \equiv c_2 \pmod{n_2}$, $x \equiv c_3 \pmod{n_3}$