

Name: _____

Math 445, Introduction to Cryptography

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Quiz 3

1. A linear recurrence (mod 2) starts out

1010011101001110.

We take determinants of the standard matrices of different sizes and find that they are:

matrix size	2	3	4	5	6	7
determinant	1	1	0	0	0	0

Find the recurrence relation.

2. Find all x such that $x \equiv 2 \pmod{7}$ and $x \equiv 3 \pmod{10}$.