<u>Homework#1</u>

-Pick two numbers A, and B; A is a prime number, B is a composite number; A & B > 15

-Generate a multiplication table for each, the first one modulo A, the second one modulo B

- For A:

> Find the inverses for all numbers smaller than A

> Pick a few numbers smaller than A, and prove that Fermat theorem is working

- For B:

> Find the co-primes of B, and Euler parameter

> Find the inverses for all co-primes

> Pick a few co-primes of B, and prove that Euler theorem is working

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