Week 7 Wednesday

Make sure you're sitting next to someone!

Formally Modeling the Hill Cipher

Make sure you know your neighbors' names. Then take a few minutes to discuss with them about how you would model the Hill cipher using the formal definition of "cryptosystem" from section 3.

There isn't a unique answer about how to do this, so you might find it fruitful to discuss variations.

Perfect Secrecy, continued

Primes, Euler's Phi Function

1. Which of the following is largest?

(A) $\phi(13)$

(B) $\phi(20)$

(C) $\phi(24)$

(D) $\phi(30)$

2. How many primes p are there such that $29^p + 1$ is divisible by p?