CSCI 1900 – Tarnoff
May 24, 2005 Homework

In-class exercise (not to be turned in):
- Write the decimal value 2275 as a product of powers of primes
- Write the decimal value 330 as a product of powers of primes
- Determine GCD, LCD, and s and t satisfying $GCD(a,b) = s \cdot a + t \cdot b$ for a = 2275 and b = 330
- Write the base 10 expansion of 341_6
- Write the base 7 expansion of 772_{10}

Homework:
- Write the decimal value 3465 as a product of powers of primes
- Write the decimal value 924 as a product of powers of primes
- Determine GCD, LCD, and s and t satisfying $GCD(a,b) = s \cdot a + t \cdot b$ for a = 3465 and b = 924
- Write the base 10 expansion of 341_5
- Write the base 5 expansion of 772_{10}