1. Write down a bounded formula whose extension is the set of triples \( <x, y, z> \) such that \( x, y, \) and \( z \) are positive integers and \( z \) is a common divisor of \( x \) and \( y \).

2. Define, for \( F \), a finite set of natural numbers, \( \text{Code}(F) \) to be \( \sum_{x \in F} 2^x \), so that \( F \) is the set of places in the binary decimal expansion of \( \text{Code}(F) \) where 1s appear. Give the Arabic numeral for \( \text{Code}(\{2, 4, 6, 8\}) \).