**public** **class** Mathlib {

**public** **int** Iteration\_gcd(**int** x, **int** y) {

}

**public** **int** Recursion\_gcd(**int** x, **int** y) {

**if** (y == 0) {

**return** x;

}

**if** (x>=y && x!=0) {

x = x%y;

**return** x;

}

**return** 0;

}

**public** **int** Iteration\_ack(**int** x, **int** y) {

}

**public** **int** Recursion\_ack(**int** x, **int** y) {

}

**public** **int** Iteration\_fib(**int** x) {

}

**public** **int** Recursion\_fib(**int** x) {

}

**public** **int** Iteration\_hanoi(**int** n) {

}

**public** **int** Recursion\_hanoi(**int** n) {

}

**public** **static** **void** main(String[] args) {

// **TODO** Auto-generated method stub

}

}