```
int gcd(int x, int y) {
	System.out.println("iteration gcd not implemented"); 1
	int temp; 1
	while(y!=0) { n
		if(x>=y&&x!=0) {1
		temp=x;1
		x=y;1
		y=temp%y;1
	}

	}
	return x;1

}
```

O gcd(x, y)= 1+1+n(1+1+1+1)+1

=3+4n

=0+4n

=0+1n

=n linear

```
Int Hanoi(int n){

While(n!=1){n

If(n>1){ 1

N-=1; 1

Int temp4=2*Hanoi(n);1

Return temp4+1; 1

}

}

Return 1; 1

}
```

O Hanoi(n)= N(1+1+1+1)+1

=4n+1

=4n+0

=1n

=n linear