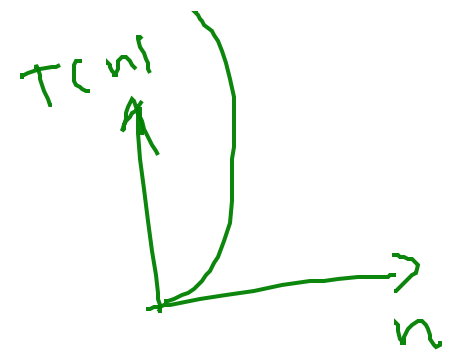


Ex 2.2.

```

a) int C (int n, int k) {
    if (k==0) || (k==n)
        return 1;
    else if (k > n)
        return 0;
    else
        return C(n-1, k-1) + C(n-1, k);
}

```



b/

$$C(4, 2) = C(3, 1) + C(3, 2)$$

$$= \binom{3}{1} + \binom{3}{2} = 3 + 3 = 6$$

$O(2^n)$

