

Divide y vencerás

$T = 8, 12, 20, 24, 28, 30, 38, 42, 50$

$x = 12$

$n = 9$

Busqueda Bin

$n = 9$

$(n == 0) \text{ } x > T[n-1] : F$

BinRec($T, 0, n, x$)

$i = 0$

$j = 9$

$x = 12$

$k = 4$

$(x \leq T[k]) : V$

BinRec(T, i, k, x)

$i = 0$

$j = 4$

$x = 12$

$k = 2$

$(x \leq T[k]) : V$

BinRec(T, i, k, x)

$i = 0$

$j = 2$

$x = 12$

$k = 1$

$(x \leq T[k]) : V$

BinRec(T, i, k, x)

$i = 0$

$j = 1$

$x = 12$

$k = 0$

BinRec($T, k+1, j, x$)

$i = 1$

$j = 1$

$x = 12$

$(i == j) : V$

return i

$T = [8, 12, 20, 24, 28, 30, 38, 42, 50]$

$n = 9$

$x = 12$

Bin Inter
 $n = 9$ $([T, x])$
 $i = 0$ $j = n$

T	x	n	i	j	k	
	12	9	0	9	4	$12 > 50$ $12 < 28$
				4		$12 < 20$
	12	9	0	4	2	$12 < 12$
				2		
	12	9	0	2	1	$12 < 9 : F$
				1		
	12	9	0	1	0	$i < j : F$
			1			
	12	9	1	1	0	

return = 1;