ago 27, 07 17:43	Clase2.hs	Page 1/1
<pre>module Clase2 where</pre>		
Insertion Son	rt 	
<pre>insord :: Ord a insord x [] = [2 insord x (y:ys)</pre>	=> a -> [a] -> [a] x] x <= y = x:y:ys x > y = y:insord x ys	
<pre>ordena :: Ord a ordena [] = [] ordena (x:xs) =</pre>	=> [a] -> [a] insord x (ordena xs)	
Merge Sort 		
<pre>partirMedio1 :: partirMedio1 xs</pre>	<pre>[a] -> ([a],[a]) = (take coc xs, drop coc xs) where coc = length xs 'div' 2</pre>	
<pre>partirMedio2 :: partirMedio2 xs</pre>	<pre>[a] -> ([a],[a]) = splitAt (length xs 'div' 2) xs</pre>	
<pre>merge :: Ord a = merge xs [] = xs merge [] ys = ys merge (x:xs) (ys)</pre>	<pre>=> [a] -> [a] -> [a] s s s s s :ys) x <= y = x: merge xs (y:ys)</pre>	
<pre>mergeSort :: Ord mergeSort [] = mergeSort [x] = mergeSort xs = m where (ys, zs) =</pre>	d a => [a] -> [a] [] [x] merge (mergeSort ys) (mergeSort zs) = partirMedio2 xs	
Hanoi 		
hanoi :: Inte hanoi :: Integra hanoi 0 s t = [] hanoi (n+1) s t	<pre>eger -> Int -> Int -> [(Int,Int)] al a => a -> Int -> Int -> [(Int,Int)]] = hanoi n s i ++ [(s,t)] ++ hanoi n i t where i = 3 - (s+t)</pre>	