MERGE SORT

ms(Mergesort) m (merge)	
at part left ms [38, 27, 43] at part right ms [3, 9, 82, 10] at part left ms [38] at part right ms [27, 43] len 1 ms [38] at part left ms [27] at part right ms [43] len 1 ms [27] len 1 ms [43] result m [27] concating m [27, 43] result m [27] result m [27, 38] concating m [27, 38, 43] at part left ms [3, 9] at part right ms [82, 10] at part left ms [3] at part right ms [9] len 1 ms [3] len 1 ms [9] result m [3] concating m [3, 9] at part left ms [82] at part right ms [10] len 1 ms [82] len 1 ms [10] result m [10] concating m [10, 82] result m [3] result m [3, 9] concating m [3, 9, 10, 82] result m [3] result m [3, 9] result m [3, 9, 10] result m [3, 9, 10, 27] result m [3, 9, 10, 27, 38] result m [3, 9, 10, 27, 38, 43] concating m [3, 9, 10, 27,38,43,82] [3, 9, 10, 27,38, 43, 82]	[38, 27, 43, 3, 9, 82, 10] ms [38, 27, 43] [3, 9, 82, 10] ms **[38]** ms [27, 43] ms [3,9] ms[82,10] ' **m[27] m [43] m[3] m[9] m[82] m[10]** concating m [27, 43] concating m [27, 38, 43] concating m [3, 9] concating m [10, 82] concating m [3, 9, 10, 82] result m [3] result m [3, 9] result m [3, 9, 10] result m [3, 9, 10, 27] result m [3, 9, 10, 27, 38] result m [3, 9, 10, 27, 38, 43 concating m [3, 9, 10, 27, 38, 43, 82]