```
Merge Sort
mergesort(m) {
   if (m.length()≤1) return m;
    list lest, right, result;
    int middle = m, length()/2;
     for (int i=0, is middle, i++)
         lest.push(m[i]);
     For (int i= middle+1; icm.lengthl); i++)
         right, push (m[i]),
      left = merge sort (left);
      right = merge sort (right);
       result = merge (lest, right);
```

return result;

```
Merge (l, r) {
   list result;
   int lx=0, rx=0;
   while (lack.length() Il rock r.length()) }
       is (lacl length) & racr. length 1) }
            if ( [[la] < r[ra] ) {
                result.push([[la]);
                 latt;
            3 plse 5
                 result push (r[raj))
       3 else 15 (lz < l.lengthu) 9
              result.push()[[]);
              latt;
        3 else if (ra < r.length())?
              result.push (r[ra]);
                rx tt
```

return result;