```
quicksort (m) {
    list left, right;
    int p;
    if (m.length() > 1) {
        p = m[m.length()/2];
        for (int i = 0; i < m.length(); i++) {
            if (m[i] <= p)
                left.push(m[i]);
            else
                right.push(m[i]);
        }
        left = quicksort(left);
        right = quicksort(right);
        m = left + right;
    }
    return m;
}
```