problem:- Implement Merge Sort

[157,110,147,122,111,149,151,141,123,112,117,133]

↓   ↓

[157,110,147,122,111,149]   [151,141,123,112,117,133]

↙ ↘   ↙ ↘

[157,110] [147] [122,111][149]   [151,141][123]

                                     [112,117] [133

↙ ↘

[157] [110]   [122][111]   [151] [141]   [112] [117

↓ ↙   ↓ ↙

[110,157]   [111,122]   [141,151]   [112,117]

↓   ↓

[110,147,157] [111,122,149]   [123,141,151] [112,117,

                                                   133]

↓

[110,111,122,147,149,157]   [112,117,123,133,141,151]

final Merge
sort [110,111,112,117,122,123,133,141,~~147~~,149,151,157]
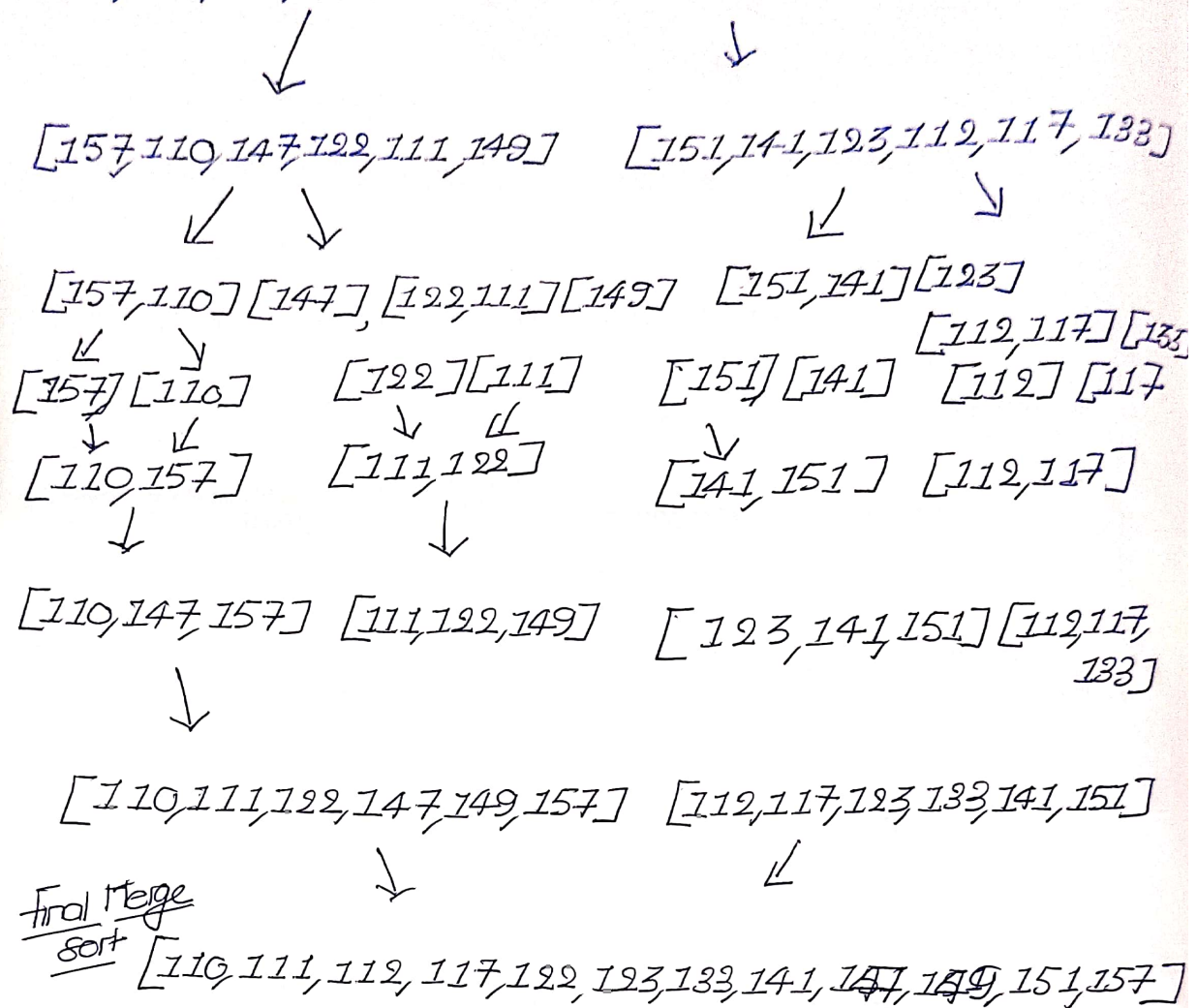
problem:—Implement Quick Sort

[Take, 123 pivot element]

[110,122,111,112,117, 123, 157,149,151,141,133]

110,122,111,112,117 | [157,149,151,141,133]
           * |
pivot=111 | [133,141,157,149,151]

⌐ [110,111,112,117,122] |
         * | pivot = 149

pivot= 117 | [149,157 151]

[112,117,122] |

[110,111,112,117,122] | [133,141, 149,151,157

final quick
sort [110,111,112,117,122,123,133,141, 149,151,
                                  157]