public static int bSort(Integer[][] robotTeamInfo, int numTeamsInFile,

int TM\_NUM, int RANK\_PT, int QUAL\_PT)

{

int index;

int j;

for (j = 0; (j < numTeamsInFile); j++) // Line A

{

for (index = 0; (index < numTeamsInFile-1); index++ ) // Line B

{

if (robotTeamInfo[index][TM\_NUM] > robotTeamInfo[index+1][TM\_NUM]) // Line C

{

swap3(robotTeamInfo, index, TM\_NUM, RANK\_PT, QUAL\_PT); // Line D

}

}

}

return j; // Line E

}

public static void swap3(Integer[][] robotTeamInfo, int index,

int TM\_NUM, int RANK\_PT, int QUAL\_PT)

{

int tempRP, tempQP, tempNum; // Line W

tempRP = robotTeamInfo[index][RANK\_PT]; // Line X

robotTeamInfo[index][RANK\_PT] = robotTeamInfo[index+1][RANK\_PT];

robotTeamInfo[index+1][RANK\_PT] = tempRP;

tempQP = robotTeamInfo[index][QUAL\_PT]; // Line Y

robotTeamInfo[index][QUAL\_PT] = robotTeamInfo[index+1][QUAL\_PT];

robotTeamInfo[index+1][QUAL\_PT] = tempQP;

tempNum = robotTeamInfo[index][TM\_NUM]; // Line Z

robotTeamInfo[index][TM\_NUM] = robotTeamInfo[index+1][TM\_NUM];

robotTeamInfo[index+1][TM\_NUM] = tempNum;

}