A lot of co-dependent variables. Several tactics to develop, first one again how to fill out the m3x.  
Bitwise fill out; character fill out or Boolean fill out – doesn’t matter;

The other is how to keep track on the sequence; Since we are walking around in a m3x we use x2 for loop; but we need to keep track on a sequence

* Using for loops itself

1. One way

if (arr[row, col] == 1)

{ //check current

countLineVerLEN++;

if (row + 1 < 8 && arr[row + 1, col] == 1)

{//check next in context of current; row + 1 < 8 protect for out of rance exception

countLineVerLEN++;

row++;

}

}

else if (arr[row,col ] == 0)//changed row<->col place cost 3 tests fails n3 n4 and n6

{//they were misplased becouse general algorithm changed place between col row in for loop

countLineVerLEN = 0;

}

//check line lenght and count if more lines with same size appear

if (countLineVerLEN > maxLineLEN)

{

countMaxLines = 0;

countMaxLines++;

maxLineLEN = countLineVerLEN;

}

else if (countLineVerLEN == maxLineLEN && maxLineLEN != 0)

{

countMaxLines++;

}

1. another way

if (grid[row, col] == '1')

{

lineLen++;

bool isEndLine = (row == n - 1 || grid[row + 1, col] == '0');

if (lineLenBest < lineLen && isEndLine)

{//enter when counting finish

lineLenBest = lineLen;

longestCount = 0;

longestCount++;// zeroes befo adding!

lineLen = 0;//zeros the counter if line ends, zeroes after best.

}

else if (lineLen == lineLenBest && isEndLine)

{

longestCount++;

lineLen = 0;//zeros the counter if line ends

}

else if (lineLenBest > lineLen && isEndLine)

{// restart count if line ends.

lineLen = 0;

}

}

* another Loop this time **WHILE**

while (j < n && matrix[i, j] == 1)// obhojdane po red demek horizontalnite linii !!!

{//i ne sme izlezli ot matricata

currentLine++;// na pyrwi red naj dylgata liniq e s duljina 1 [0.3]

j++;

}

if (currentLine > longestLine) // dali namerenata e po golqma ot naj dylgata

{

longestLine = currentLine;

longestCount = 1;// ima samo edna naj golqm liniq

currentLine = 0;

}

else if (longestLine == currentLine)

{

longestCount++;// ako wse pak namerime druga dobavqme broikata

}

currentLine = 0;

}

Well 3 loops one inside another I quite heavy but server gives us some time …

So it is not a good idea for heavy tables to search with several loops inside since mathematicians have special formula to calculate efficiency and time ☺