
Bounding rectangle

P92844_en

Using the definitions

```
typedef vector<char> Row;  
typedef vector<Row> Rectangle;
```

write a procedure

```
void minimal_dimensions(char c, const Rectangle& r, int& rows, int& cols );
```

that computes the number of rows *rows* and the number of columns *cols* of the smallest subrectangle with horizontal and vertical sides that contains all the occurrences of *c* in *r*.

Precondition

The character *c* occurs at least once in *r*, which is really a rectangle. That is, all rows have the same number of characters.

Observation

You only need to submit the required procedure; your main program will be ignored.

Problem information

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