Matrices of words

Using the declarations

```cpp
typedef vector<string> Row;
typedef vector<Row> Matrix;
```

write a function

```cpp
int number_of_words(const Matrix& m, char c, int k);
```

that returns how many words \( w \) of the Matrix \( m \) have the character \( c \) at the position \( k \), that is, fulfil \( p[k] = c \) (when \( p[k] \) exists). Take into account that the “matrix” \( m \) is not necessary rectangular, i.e., some rows may be larger than others.

**Precondition**

\( k \geq 0 \)

**Observation**

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

**Problem information**

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