Practice Exercise #48: Search for 2D Pattern

http://www.comp.nus.edu.sg/~cs1010/4_misc/practice.html

Reference: Week 12 Discussion Question 7

Date of release: 27 October 2014

Objective: 2D array, searching

Task statement:

Assuming that you have an 8×8 minefield and a 2×3 pattern. You are to write a program **search_pattern.c** to count the number of times the pattern appears in the minefield.

Sample runs:

```
Enter minefield:
___****_
_*_**_**
********
_*_*__*_
********
**_*_**_
_____
********
Minefield entered:
___****_
_*_**_**
********
_*_*__*_
********
**_*_**_
_____
********
Enter search pattern:
***
*_*
Search pattern entered:
***
*_*
Answer = 4
```

Enter minefield:
****
***__**
____****
****____
____****
*_*_*_*_
_*_*_*_*
_*_*_*_*
Minefield entered:
****
***__**
____****
****____
____****
*_*_*_*_
_*_*_*_*
_*_*_*_*
Enter search pattern:
***
___
Search pattern entered:
***
___
Answer = 6