Practice S12P04: Search for 2D Pattern

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

Week of release: Week 12

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
```