

Problem J1 - Trident

A *trident* is a fork with three tines (prongs). A simple picture of a trident can be made from asterisks and spaces:

```
*  *  *
*  *  *
*  *  *
*****
  *
  *
  *
  *
```

In this example, each tine is a vertical column of 3 asterisks. Each tine is separated by 2 spaces. The handle is a vertical column of 4 asterisks below the middle tine.

Tridents of various shapes can be drawn by varying three parameters: t , the height of the tines, s , the spacing between tines, and h , the length of the handle. For the example above we have $t = 3$, $s = 2$, and $h = 4$.

You are to write an interactive program to print a trident. Your program should accept as input the parameters t , s , and h , and print the appropriate trident. You can assume that t , s , h are each at least 0 and not larger than 10.

Sample Session *User input in italics*

```
Enter tine length:
  4
Enter tine spacing:
  3
Enter handle length:
  2
*  *  *
*  *  *
*  *  *
*  *  *
*****
  *
  *
```