STAGE
**Qualification Test - Backend**

End Stage

**Questions**

Total marks

1. Spiral Rhombus Pattern ()

2. Happy Trees ()

4.  3. ()

   4. ()

← Previous Question

Note:

- You can do multiple submissions.

- Your highest score will be considered

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≡

**Spiral Rhombus Pattern**

Given half-height `h`, and a string `s` output a rhombus pattern with a formed using the characters in the string. Direction of the spiral is clo

**Input Format**

The first line of input consists of an integer `t` which is the number of line of each test case consists of two space separated integers, `h` ar the half-height of the rhombus and length of the string respectively. S string `s`.

**Output Format**

For every test case, print the spiral rhombus pattern (see diagrams b

**Sample Input**

```
5
3 26
abcdefghijklmnopqrstuvwxyz
4 5
12345
5 2
01
6 6
spiral
2 1
z
```

**Sample Output**

```
  c
 bjd
aimke
 hlf
  g
   4
  355
 24211
1315322
 25433
  144
   5
     0
    111
   00000
  1111111
 000000000
  1111111
   00000
    111
     0
      l
     ass
    rlrpp
   iaiiaii
  prpprrlrr
 sissisaasaa
  pllpllpll
   saasiss
    lrrpp
     aii
      r
  z
 zzz
  z
```

STAGE

## Qualification Test - Backend

**End Stage**

### Questions

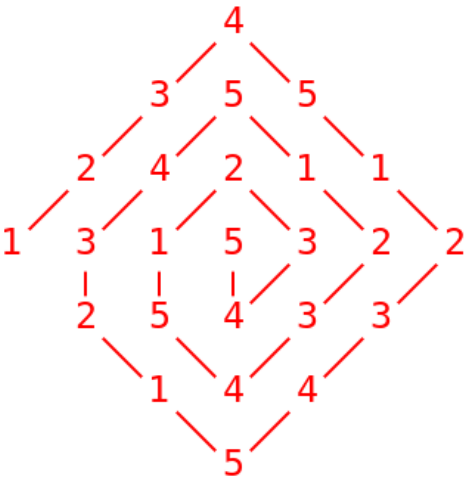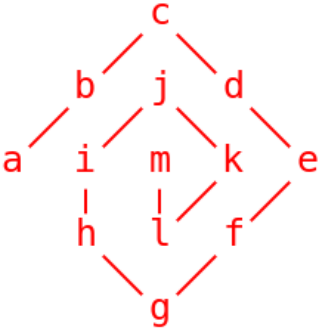1. Spiral Rhombus Pattern ()
2. Happy Trees ()
3. ()
4. ()

Note:

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$1 <= h <= 1000$

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$1 <= l <= 1000$

Character set of s - 0-9a-z
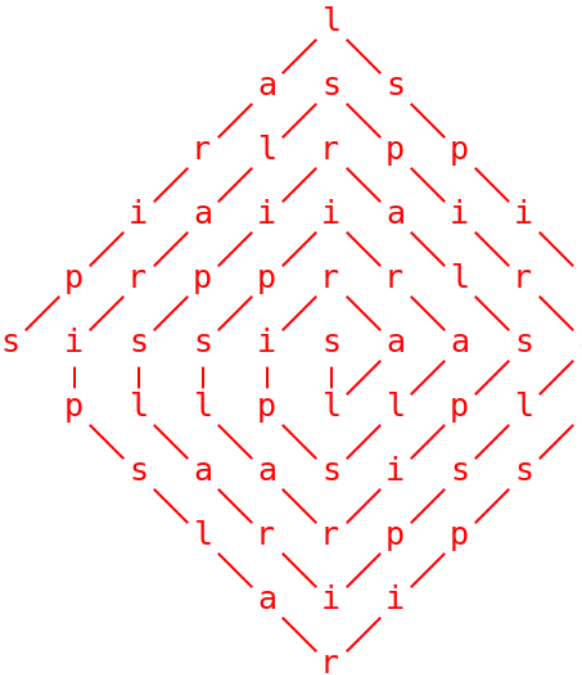
## Explanatory Diagrams

## Qualification Test - Backend

**Questions**

1. Spiral Rhombus Pattern ()
2. Happy Trees ()
3. ()
4. ()

Note:

- You can do multiple submissions.

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**End Stage**

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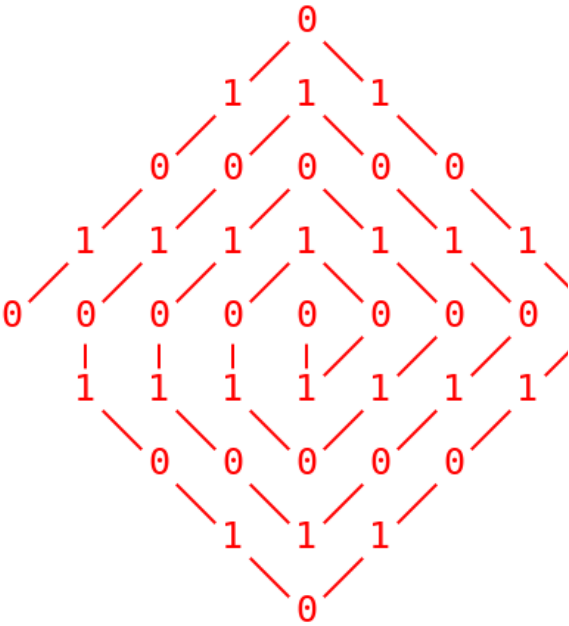

**Environment**

STAGE

## Qualification Test - Backend

### Questions

1. Spiral Rhombus Pattern ()
2. Happy Trees ()
3. ()
4. ()

Note:

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received as input

**End Stage**

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- **Bash** goo.gl/bMZzAh (https://goo.gl/bMZzAh)
- **C** goo.gl/4zRfEC (https://goo.gl/4zRfEC)
- **C#** goo.gl/X1Svfp (https://goo.gl/X1Svfp) (Mono JIT Compiler)
- **C++** bit.ly/2Io1VND (https://bit.ly/2Io1VND)
- **Clojure** goo.gl/teZHzL (https://goo.gl/teZHzL)
- **Go** goo.gl/hWHToi (https://goo.gl/hWHToi)
- **Java** bit.ly/3dc9uDT (https://bit.ly/3dc9uDT) (Remove package and keep the main class (class containing the main method) no (small case))
- **JavaScript** goo.gl/L3jxM6 (https://goo.gl/L3jxM6)
- **Kotlin** goo.gl/qTMk6v (https://goo.gl/qTMk6v)
- **PHP** goo.gl/p26tnC (https://goo.gl/p26tnC)
- **Python2** bit.ly/2T1TGu4 (https://bit.ly/2T1TGu4)
- **Python3** bit.ly/2AsphPm (https://bit.ly/2AsphPm)
- **Ruby** goo.gl/PhpUyX (https://goo.gl/PhpUyX)
- **Rust** bit.ly/2I9onK8 (https://bit.ly/2I9onK8)
- **Scala** bit.ly/2KsaNAH (https://bit.ly/2KsaNAH)
- **Swift** goo.gl/fX3kdj (https://goo.gl/fX3kdj)
- **Perl** bit.ly/3k9ar2n (https://bit.ly/3k9ar2n)
- **Erlang** bit.ly/35Uaqtb (https://bit.ly/35Uaqtb)

### Instructions

- Read from Standard Input Stream (stdin) and write to Standard (stdout) unless specified otherwise.
- The dashboard provides two modes.
    - Test runs your code against public/sample test cases.
    - Submit runs against private/hidden ones.
- Only public/sample test cases and their elaborate "test" results available. A line by line comparison with expected output is sho score for passing the public test cases. It's only for testing and
- For the private/hidden test cases, the judging system only shov passed status, time consumption, memory consumption and sc making a "submit" will yield a score. Total score is a normalized over all test cases.
- If the code reaches execution time limit and it still running, it is timeout is declared.
- Use the help button in case you require any help.

SAMPLE ⬇
STDIN 1 (https://cdn.skillenza.com/files/ad3d8608
        6713-4d58-ac89-04a3bfe25ad0/ txt)

```
30
3 26
abcdefghijklmnopqrstuvwxyz
4 5
12345
5 2
01
```

SAMPLE ⬇
STDOUT (https://cdn.skil
        6ab6-4a60-946

```
1
c
bjd
aimke
hlf
  g
   4
  355
```

🔄 **Change file**                    Select language ⌄

1  |

STAGE
## Qualification Test - Backend

**End Stage**

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### Questions

**1. Spiral Rhombus Pattern ()**

**2. Happy Trees ()**

**3. ()**

**4. ()**

Note:

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