Digital Triangle
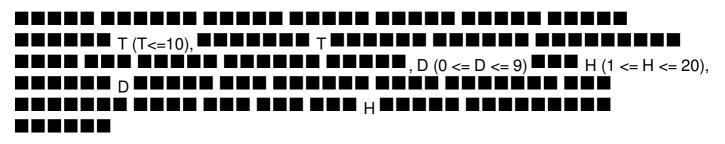
Print numbers to form a shape of triangle using the specified numbers as shown in the sample output.

███████ ██████ ███████ ████ ███ █████ ██████ ████████ ████ █████ ███████ ██'██ ███████ ████████ ██████ ███████ ████ ███
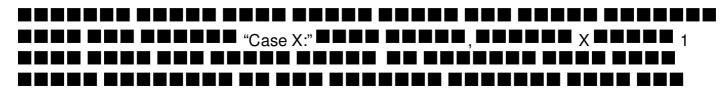
Input

First line of input contains the number of test cases T (T <= 10), each of the next T lines contains two integers D (0 <= D <= 9) and H (1 <= H <= 20), where D is the digit which is to be used to draw the triangle, and H is the height of the triangle.

█████ ██████ █████ █████ █████ █████ █████ ██████ T (T<=10), ███████ T ██████ ██████ █████████ ████ ███ █████ ██████ █████, D (0 <= D <= 9) ███ █ H (1 <= H <= 20), ██████ D █████ ███ ██████ ████ ██████ ███ ███████ ████ ███ ███ ███ H █████ █████████ ██████

Output

For each input case, first print the case number starting from 1 as in "Case X:" in a single line, where X represents the case number. Then from the next line, start printing the output, the desired triangle as shown in sample output.

███████ █████ ████ █████ █████ ███ █████ ████████ ████ ███ ██████ "Case X:" ████ █████, ██████ X █████ 1 ████ ████ ███ █████ █████ ██ ███████ ████ ████ █████ ████████ ██ ███ ██████ ██████ ████ ███

Example

Input:

```
2
1 4
3 5
```

Output:

```
Case 1:
1
11
111
1111
Case 2:
3
33
```

333
3333
33333