String Formatting

Task

Read the integer, N and print the decimal, octal, hexadecimal, and binary values from 1 to N with space padding so that all fields take the same width as the binary value.

Input Format
The first line contains an integer, N.

Constraints
$1 \le N \le 99$

Output Format
Print N lines. Format the fields as the width of the binary value of N.

Sample Input

```
17
```

Sample Output

```
 1   1   1    1
 2   2   2   10
 3   3   3   11
 4   4   4  100
 5   5   5  101
 6   6   6  110
 7   7   7  111
 8  10   8 1000
 9  11   9 1001
10  12   A 1010
11  13   B 1011
12  14   C 1100
13  15   D 1101
14  16   E 1110
15  17   F 1111
16  20  10 10000
17  21  11 10001
```