String Formatting

Problem Statement

Task

Read 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

First line contains an integer N.

Constraints

$1<=N<=99$

Output Format

Print N lines. Formatted as width of 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
```