# **Spectrum of colours**

For a given x-coordinate find the RGB-colour in this spectrum of colours.

Score is source length.

## Input

In the first line the number of test cases t<100. Then t lines with a x-coordinate (0 <= x <= 767).

### **Output**

t lines with a colour #RRGGBB (0x00<=RR,GG,BB<=0xFF).

## **Example**

#### Input:

...p\ ≏

0

256

767

#### **Output:**

#FF00FF

#00FFFF

#FF00FE