

# 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 ( $0 \leq x \leq 767$ ).

## Output

$t$  lines with a colour #RRGGBB ( $0x00 \leq RR, GG, BB \leq 0xFF$ ).

## Example

### Input:

```
3
0
256
767
```

### Output:

```
#FF00FF
#00FFFF
#FF00FE
```