```
#include "mbed.h"

int8_t to_7seg(uint8_t code){
    static int8_t seg[]={0x3F, 0x06, 0x5B, 0x4F, 0x66, 0x6D, 0x7D, 0x07, 0x7F, 0x6F };
    return (code<=9) ? seg[code] : 0;
}
```