#include<iostream>

#include<cstdio>

#include<bitset>

using namespace std;

int main()

{

//freopen("input.txt","r",stdin);

int n,m;

while(cin>>n>>m)

{

bitset<8> t(n);

cout<<t;

t=m;

cout<<t<<"\n";

}

return 0;

}