// Alstrid Bjorn T. Dy

// 1-12

// Problem #5

#include <iostream>

using namespace std;

int main()

{

int multiplier = 1;

int num = 1;

while(num <= 30){

cout<<num;

num += multiplier;

if(num >= 10){

multiplier = 2;

}

if(num <= 30){

cout<<",";

}

}

return 0;

}