#include <iostream>

using namespace std;

bool isLeap(int year);

int main(void) {

for (int yr = 2000; yr < 2031; yr++)

cout << yr << " -> " << isLeap(yr) << endl;

return 0;

}

bool isLeap(int year){

bool result = false;

if(year % 4 == 0)result=true;

return result;

}