#include <iostream> //aydarbekamatov

#include <string>

#include <vector>

using namespace std;

vector <int> countBy(int x, int n){

vector <int> ans;

for(int i = 1; i <= n; i++){

ans.push\_back(x \* i);

}

return ans;

}

int main(){

vector <int> check = countBy(2, 5);

for(int i = 0; i < 5; i++){

cout << check[i] << ' ';

}

return 0;

}

#include <iostream> //aydarbekamatov

using namespace std;

int whenFatherTwoTimesOlder(int fatherAge, int sonsAge){

int cnt = 0;

int fatherCopy = fatherAge, sonsCopy = sonsAge;

while(sonsCopy > 0){

if(fatherCopy == sonsCopy \* 2){

return cnt;

}

fatherCopy--;

sonsCopy--;

cnt++;

}

cnt = 0;

while(true){

if(fatherAge == sonsAge \* 2){

return cnt;

}

fatherAge++;

sonsAge++;

cnt++;

}

}

int main(){

int father, son;

cin >> father >> son;

cout << whenFatherTwoTimesOlder(father, son);

return 0;

}

#include <iostream> //aydarbekamatov

using namespace std;

int pillarDistance(int pillars, int distance, int width){

distance \*= 100;

int ans = 0;

for(int i = 1; i < pillars; i++){

ans += distance + width;

}

return ans;

}

int main(){

int pillars, distance, width;

cin >> pillars >> distance >> width;

cout << pillarDistance(pillars, distance, width);

return 0;

}

#include <iostream> //aydarbekamatov

#include <string>

using namespace std;

bool checkDigit(char d){

string digits = "1234567890";

for(int i = 0; i < digits.size(); i++){

if(d == digits[i]){

return true;

}

}

return false;

}

bool isDigit(string sample){

bool dotAppeared = false;

if(sample[0] == '-'){

for(int i = 1; i < sample.size(); i++){

if(sample[i] == '.'){

if(dotAppeared){

return false;

}

dotAppeared = true;

continue;

}

if(!checkDigit(sample[i]) and sample[i] != ' '){

return false;

}

}

}

return true;

}

int main(){

cout << isDigit(" -3.23 ");

return 0;

}