using System;

using System.Diagnostics;

using System.Collections.Generic;

using System.Collections;

namespace euler {

class Problem38 {

public static void Main(string[] args) {

new Problem38().BruteForce();

}

public void BruteForce() {

Stopwatch clock = Stopwatch.StartNew();

long result = 0;

for (long i = 9387; i >= 9234; i--) {

result = concat(i, 2\*i);

if(isPandigital(result)){

break;

}

}

clock.Stop();

Console.WriteLine("The largest pandigital product is {0}", result);

Console.WriteLine("Solution took {0} ms", clock.ElapsedMilliseconds);

}

private long concat(long a, long b) {

long c = b;

while (c > 0) {

a \*= 10;

c /= 10;

}

return a + b;

}

private bool isPandigital(long n) {

int digits = 0;

int count = 0;

int tmp;

while (n > 0) {

tmp = digits;

digits = digits | 1 << (int)((n % 10) - 1); //The minus one is there to make 1 fill the first bit and so on

if (tmp == digits) { //Check to see if the same digit is found multiple times

return false;

}

count++;

n /= 10;

}

return digits == (1 << count) - 1;

}

}

}

Ответ: 932718654