



HOME TOP CATALOG CONTESTS GYM PROBLEMSET GROUPS RATING EDU API CALENDAR HELP

PROBLEMS SUBMIT CODE MY SUBMISSIONS STATUS HACKS STANDINGS CUSTOM INVOCATION

D1. Too Many Segments (easy version)

time limit per test: 1 second memory limit per test: 256 megabytes

The only difference between easy and hard versions is constraints.

You are given n segments on the coordinate axis OX. Segments can intersect, lie inside each other and even coincide. The i-th segment is $[l_i; r_i]$ ($l_i \le r_i$) and it covers all integer points j such that $l_i \le j \le r_i$.

The integer point is called **bad** if it is covered by **strictly more** than k segments.

Your task is to remove the minimum number of segments so that there are no bad points at all.

Input

The first line of the input contains two integers n and k ($1 \le k \le n \le 200$) — the number of segments and the maximum number of segments by which each integer point can be covered.

The next n lines contain segments. The i-th line contains two integers l_i and r_i ($1 \le l_i \le r_i \le 200$) — the endpoints of the i-th segment.

Output

In the first line print one integer m ($0 \le m \le n$) — the minimum number of segments you need to remove so that there are no **bad** points.

In the second line print m distinct integers p_1, p_2, \ldots, p_m ($1 \le p_i \le n$) — indices of segments you remove in any order. If there are multiple answers, you can print any of them.

Examples



input	Сору
5 1	
29 30	
30 30	
29 29	
28 30	
30 30	
output	Сору
3	
1 2 4	

input	Сору
6 1	
2 3	
3 3	
2 3	
2 2	
2 3	
2 3	
output	Сору
4	
1 3 5 6	

Codeforces Round 595 (Div. 3)

Finished

Practice



→ Virtual participation

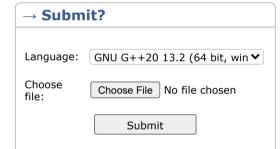
Virtual contest is a way to take part in past contest, as close as possible to participation on time. It is supported only ICPC mode for virtual contests. If you've seen these problems, a virtual contest is not for you solve these problems in the archive. If you just want to solve some problem from a contest, a virtual contest is not for you solve this problem in the archive. Never use someone else's code, read the tutorials or communicate with other person during a virtual contest.

Start virtual contest

→ Clone Contest to Mashup

You can clone this contest to a mashup.

Clone Contest



→ Last submissions Submission Time Verdict 323259869 Jun/07/2025 Accepted

→ Problem tags	
greedy *1800	
	No tag edit access

→ Contest materials	
AnnouncementTutorial	×