

Hello **indrajohn** ▾

Logo

[PRACTICE](#)[COMPETE](#)[DISCUSS](#)[COMMUNITY](#)[HELP](#)[ABOUT](#)[Home](#) » [Practice\(Extcontest\)](#) » [Tom And Jerry](#)

## Tom And Jerry

Problem code: **INSOMB7**[Tweet](#)[Like](#)[Share](#)

2 people like this. Be the first of your friends.

[ALL SUBMISSIONS](#)[MY SUBMISSIONS](#)[SUBMIT](#)



Tom has decided to catch Jerry for sure. To ensure this, he has brought along his friends from the alley into the house. Jerry, being aware of Tom's plan, has ensured that Spike, the friendly bulldog, is patrolling the outside of the house.

Jerry will escape the clutches of the cats if he manages to reach any of the edge squares of the house that have been marked with a \*. Jerry will be captured if he is unable to do so without being caught by a cat.

- Only 1 animal (Jerry or any of the cats) can move at a time.
- Turns are given to each animal to move.
- No animal can move again till all of the other animals have been given a chance to move.
- Jerry is always given the first chance to move in a turn.
- During a move, the animal may choose to stay still or move along any of the cardinal directions (North, South, East, West) provided that square is not blocked by an obstacle.
- Jerry and the cats are not allowed to perform diagonal movements.
- You can choose any suitable order for the movement of cats.
- Assume that both Jerry and the Cats move optimally. (i.e. Jerry will always try to take that path which gives him the maximum chance of escaping the cats and the cats will always choose that path that enables them to capture Jerry)

Note : There may be some maps on which there is no cat.

Lines 2 to N: M space separated characters taken from the set {\*, #, R, C} with only 1R present in the entire matrix.

25 25

[illegible]

Yes

Author:	admin
Tags:	admin
Date Added:	20-03-2009
Time Limit:	7 sec
Source Limit:	50000 Bytes
Languages:	ADA, ASM, BASH, BF, C, C99 strict, CAML, CLOJ, CLPS, CPP 4.3.2, CPP 4.9.2, CPP14 CS2, D, FORT, FS, GO, HASK, ICK, ICON, JAVA, JS, LISP clisp, LISP sbcl, LUA, NEM, NICE NODEJS, PAS fpc, PAS gpc, PERL, PERL6, PHP, PIKE, PRLG, PYPY, PYTH, PYTH 3.1.2 RUBY, SCALA, SCM chicken, SCM guile, SCM qobi, ST, TCL, TEXT, WSPC

SUBMIT

▶

[CodeChef is a non-commercial competitive programming community](#)

[About CodeChef](#) | [About Directi](#) | [CEO's Corner](#) | [C-Programming](#) | [Programming Languages](#) | [Contact Us](#)

© 2009 **Directi Group**. All Rights Reserved. CodeChef uses SPOJ © by **Sphere Research Labs**  
In order to report copyright violations of any kind, send in an email to [copyright@codechef.com](mailto:copyright@codechef.com)

**Directi**  
Intelligent People. Uncommon Ideas.  
The time now is: 03:27:31 PM  
Your IP: 172.22.224.201, 144.49.50.1

### CodeChef - A Platform for Aspiring Programmers

CodeChef was created as a platform to help programmers make it big in the world of algorithms, **computer programming** and **programming contests**. At CodeChef we work hard to revive the geek in you by hosting a **programming contest** at the start of the month and another smaller programming challenge in the middle of the month. We also aim to have training sessions and discussions related to **algorithms**, **binary search**, technicalities like **array size** and the likes. Apart from providing a platform for **programming competitions**, CodeChef also has various algorithm tutorials and forum discussions to help those who are new to the world of **computer programming**.

### Practice Section - A Place to hone your 'Computer Programming Skills'

Try your hand at one of our many practice problems and submit your solution in a language of your choice. Our **programming contest** judge accepts solutions in over 35+ programming languages. Preparing for coding contests were never this much fun! Receive points, and move up through the CodeChef ranks. Use our practice section to better prepare yourself for the multiple **programming challenges** that take place through-out the month on CodeChef.

### Compete - Monthly Programming Contests and Cook-offs

Here is where you can show off your **computer programming** skills. Take part in our 10 day long monthly **coding contest** and the shorter format Cook-off **coding contest**. Put yourself up for recognition and win great prizes. Our **programming contests** have prizes worth up to INR 20,000 (for Indian Community), \$700 (for Global Community) and lots more CodeChef goodies up for grabs.

#### **Programming Tools**

[Online IDE](#)

[Upcoming Coding Contests](#)

[Contest Hosting](#)

[Problem Setting](#)

[CodeChef Tutorials](#)

[CodeChef Wiki](#)

#### **Practice Problems**

[Easy](#)

[Medium](#)

[Hard](#)

[Challenge](#)

[Peer](#)

[School](#)

[FAQ's](#)

#### **Initiatives**

[Go for Gold](#)

[CodeChef for Schools](#)

[Campus Chapters](#)