For office use only
T1 _____
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Team Control Number

33652

Problem Chosen

A

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2016 Mathematical Contest in Modeling (MCM/ICM) Summary Sheet

This Is the Article Title

Executive Summary

Contents

1 Introduction

1.1 Our Work

2 Assumption

(1) Build the co-author network of the Erdos1 authors and analysis of the characteristics of the network. čÍÄÚÈÝčľ

(2)

3 Symbol Description

Symbol	Description
σ	The standard deviation
110010101010	binary
F	This is the best beautiful symbol.

P.s:Other symbol instructions will be given in the text.

4 The Influence of Researchers

4.1 Model one:

4.1.1

Look at Figure 1

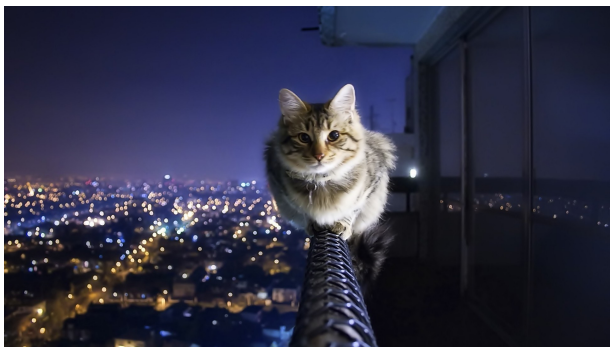

Figure 1: This is a cat.

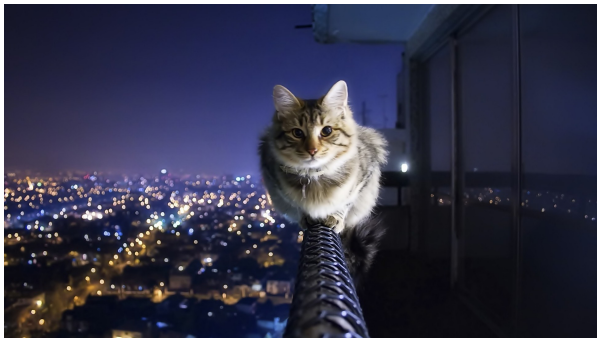

Figure 2: This is a cat.

Figure 3: This is the back of a human.

4.2 Model two:

4.2.1

In the section, we will insert math formulas.
$\ln(x+1) + \max\{\varepsilon, \theta\}$

$$\exists\, \delta > 0, \quad when \quad |x - x_0| < \delta, \quad s.t.\ |f(x) - f(x_0)| < \varepsilon \tag{1}$$

$$\ln(x+1) + \max\{\varepsilon, \theta\}$$
$$\ln(x+1) + \max\{\varepsilon, \theta\}$$

4.2.2 Test Equations

$$f(x) = \cos x \tag{2}$$
$$f'(x) = -\sin x \tag{3}$$
$$\int_0^x f(y)dy = \sin x \tag{4}$$

4.2.3 Others

$$\begin{aligned} A &= (B + C) + D \\ &= B + (C + D) \end{aligned}$$

OK, let's look at another one.

$$\begin{cases} \dot{x}(t) = A_{ci}x(t) + B_{1ci}w(t) + B_{2ci}u(t) \\ z(t) = C_{ci}x(t) + D_{ci}u(t) \end{cases} \tag{5}$$

$$A = \begin{pmatrix} a_{11} & a_{12} & a_{13} \\ a_{21} & a_{22} & a_{23} \\ a_{31} & a_{32} & a_{33} \end{pmatrix}.$$

4.3 Result Analysis:

Table 1: Rank of Researcher (Top 10)

Rank	Researcher Name
1	ALON, NOGA M.
2	HARARY, FRANK*
3	GRAHAM, RONALD LEWIS
4	BOLLOBAS, BELA
5	RODL, VOJTECH
6	SOS, VERA TURAN
7	TUZA, ZSOLT
8	FUREDI, ZOLTAN
9	SPENCER, JOEL HAROLD
10	POMERANCE, CARL BERNARD

Table 2: Rank of Researchers' Total Influence (Top 10)

Rank	Researcher Name
1	ALON, NOGA M.
2	GRAHAM, RONALD LEWIS
3	RODL, VOJTECH
4	BOLLOBAS, BELA
5	HARARY, FRANK*
6	FUREDI, ZOLTAN
7	TUZA, ZSOLT
8	SOS, VERA TURAN
9	SPENCER, JOEL HAROLD
10	GYARFAS, ANDRAS

Table 3: Test

No. \ Title	L-Title	R-Title
1	One	First
2	Two	Second
3	Three	Third

5 The Influence of Papers

6 Model Extension

7 Error/Sensitivity Analysis

8 Analysis of The Model

References

[1] Last name, Initials. (year). Title.*The journal name*. Volume(Issue), pages.

[2] Last name, Initials. (year). *Book name*. Address: Publisher.

[3] Last name, Initials. (year). Collection name, *Article name*(pp.pages). Address: Publisher.

[4] Author. Article Title[D]. Address: Saver, year: page numbers.

[5] The site name, Title. The Site Link. Time.

[6] The main responsibility author. Electronic document titles. Electronic literature source[Symbol]. Site Link, Publish or update date / date references.

Appendices

Appendix A First appendix

some text...

Here are simulation programmes we used in our model as follow.

Input matlab source:

```
function [t,seat,aisle]=OI6Sim(n,target,seated)
%
%This is a example of Matlab source code for the model.
%Enjoy yourself.
%
pab=rand(1,n);
for i=1:n
    if pab(i)<0.4
       aisleTime(i)=0;
    else
        aisleTime(i)=trirnd(3.2,7.1,38.7);
    end
end
```

Appendix B Second appendix

some more text

Input C++ source:

```
//============================================================================
// Name        : Sudoku.cpp
// Author      : wzlf11
// Version     : a.0
// Copyright   : Your copyright notice
// Description : Sudoku in C++.
//============================================================================

#include <iostream>
#include <cstdlib>
#include <ctime>

using namespace std;

int table[9][9];

int main() {

    for(int i = 0; i < 9; i++){
        table[0][i] = i + 1;
    }

    srand((unsigned int)time(NULL));

    shuffle((int *)&table[0], 9);

    while(!put_line(1))
    {
        shuffle((int *)&table[0], 9);
    }

    for(int x = 0; x < 9; x++){
        for(int y = 0; y < 9; y++){
            cout << table[x][y] << " ";
        }
```

```
        cout << endl;
    }

    return 0;
}
```