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Team Control Number

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**2013647**

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Problem Chosen

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**2020  
MCM/ICM  
Summary Sheet**

**Summary**

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**Keywords:** keyword1; keyword2

## Contents

<b>1</b>	<b>Introduction</b>	<b>2</b>
1.1	Background . . . . .	2
1.2	Problem Description . . . . .	2
1.3	General Assumptions . . . . .	2
1.4	Notation . . . . .	2
<b>2</b>	<b>Analysis of the Problem</b>	<b>2</b>
2.1	Correlation Analysis and Heat Map . . . . .	2
2.2	Network Analysis . . . . .	3
<b>3</b>	<b>Network Display</b>	<b>3</b>
<b>4</b>	<b>Build Network Science Model</b>	<b>3</b>
<b>5</b>	<b>Model Validation</b>	<b>3</b>
<b>6</b>	<b>Validating the Model</b>	<b>3</b>
<b>7</b>	<b>Conclusions</b>	<b>3</b>
<b>8</b>	<b>A Summary</b>	<b>3</b>
<b>9</b>	<b>Evaluate of the Mode</b>	<b>3</b>
<b>10</b>	<b>Strengths and weaknesses</b>	<b>3</b>
10.1	Strengths . . . . .	3
	<b>Appendices</b>	<b>3</b>
	<b>Appendix A First appendix</b>	<b>3</b>
	<b>Appendix B Second appendix</b>	<b>4</b>



## 2.2 Network Analysis

## 3 Network Display

## 4 Build Network Science Model

## 5 Model Validation

## 6 Validating the Model

## 7 Conclusions

## 8 A Summary

## 9 Evaluate of the Mode

## 10 Strengths and weaknesses

### 10.1 Strengths

## References

- [1] D. E. KNUTH The  $\text{\TeX}$ book the American Mathematical Society and Addison-Wesley Publishing Company , 1984-1986.
- [2] Lamport, Leslie,  $\text{\LaTeX}$ : " A Document Preparation System ", Addison-Wesley Publishing Company, 1986.
- [3] <http://www.latexstudio.net/>
- [4] <http://www.chinatex.org/>

# Appendices

## Appendix A First appendix

Aliquam lectus. Vivamus leo. Quisque ornare tellus ullamcorper nulla. Mauris porttitor pharetra tortor. Sed fringilla justo sed mauris. Mauris tellus. Sed non leo. Nullam elementum, magna in cursus sodales, augue est scelerisque sapien, venenatis congue nulla arcu et pede. Ut suscipit enim vel sapien. Donec congue. Maecenas urna mi, suscipit in, placerat ut, vestibulum ut, massa. Fusce ultrices nulla et nisl.

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

### Input matlab source:

---

```
function [t,seat,aisle]=OI6Sim(n,target,seated)
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
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;  
}
```

---