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Team Control Number

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T1 _____

1911507

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Problem Chosen

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2019

MCM/ICM

Summary Sheet

The L^AT_EX Template for MCM Version v6.2.1

Summary

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetur id, vulputate a, magna. Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem. Nulla et lectus vestibulum urna fringilla ultrices. Phasellus eu tellus sit amet tortor gravida placerat. Integer sapien est, iaculis in, pretium quis, viverra ac, nunc. Praesent eget sem vel leo ultrices bibendum. Aenean faucibus. Morbi dolor nulla, malesuada eu, pulvinar at, mollis ac, nulla. Curabitur auctor semper nulla. Donec varius orci eget risus. Duis nibh mi, congue eu, accumsan eleifend, sagittis quis, diam. Duis eget orci sit amet orci dignissim rutrum.

Keywords: keyword1; keyword2

Contents

1 Model 1	2
2 Model 2	4
3 Introduction	5
3.1 Other Assumptions	7
4 Analysis of the Problem	7
5 Calculating and Simplifying the Model	9
6 The Model Results	9
7 Validating the Model	9
8 Conclusions	10
9 A Summary	10
10 Evaluate of the Mode	10
11 Strengths and weaknesses	10
11.1 Strengths	10
Appendices	11
Appendix A First appendix	11
Appendix B Second appendix	12

1 Model 1

X : The number of the containers X .

Y : The number of the containers Y .

Z : The number of the containers Z .

X_α : The number of the drones α packed in the container X .

Y_α : The number of the drones α packed in the container Y .

Z_α : The number of the drones α packed in the container Z .

$X_{\alpha ij}$: The number of the medical packages i transported by drone α from container X 's location to the demand location j , where $\alpha = A, B, \dots, H, i = 1, 2, 3, j = 1, 2, \dots, 5$.

$Y_{\alpha ij}$: The number of the medical packages i transported by drone α from container Y 's location to the demand location j , where $\alpha = A, B, \dots, H, i = 1, 2, 3, j = 1, 2, \dots, 5$.

$Z_{\alpha ij}$: The number of the medical packages i transported by drone α from container Z 's location to the demand location j , where $\alpha = A, B, \dots, H, i = 1, 2, 3, j = 1, 2, \dots, 5$.

c_i : The cost of the medical package i , where $i = 1, 2, 3$.

C_α : The cost of the drone α , where $\alpha = A, B, \dots, H$.

W : The cost of the container.

V_α : The volume of the drone α , where $\alpha = A, B, \dots, H$.

v_i : The volume of the medical package i , where $i = 1, 2, 3$.

P_α : The max payload capability of the drone α , where $\alpha = A, B, \dots, H$.

d : The supporting days for the medical package demand of all 5 locations.

M : A sufficiently large number for big- M method in integer programming.

$$\min \sum_{\alpha=A}^H \sum_{i=1}^3 \sum_{j=1}^5 c_i (X_{\alpha ij} + Y_{\alpha ij} + Z_{\alpha ij}) + \sum_{\alpha=A}^H C_\alpha (X_\alpha + Y_\alpha + Z_\alpha) + W(X + Y + Z)$$

or

$$\max d$$

$$\begin{aligned}
& \sum_{i=1}^3 \sum_{j=1}^5 v_i X_{\alpha ij} \leq 8 \times 10 \times 14 \text{ if } \alpha = A, B, D \\
& \sum_{i=1}^3 \sum_{j=1}^5 v_i X_{\alpha ij} \leq 24 \times 20 \times 20 \text{ if } \alpha = C, E, F, G \\
& \sum_{i=1}^3 \sum_{j=1}^5 v_i Y_{\alpha ij} \leq 8 \times 10 \times 14 \text{ if } \alpha = A, B, D \\
& \sum_{i=1}^3 \sum_{j=1}^5 v_i Y_{\alpha ij} \leq 24 \times 20 \times 20 \text{ if } \alpha = C, E, F, G \\
& \sum_{i=1}^3 \sum_{j=1}^5 v_i Z_{\alpha ij} \leq 8 \times 10 \times 14 \text{ if } \alpha = A, B, D \\
& \sum_{i=1}^3 \sum_{j=1}^5 v_i Z_{\alpha ij} \leq 24 \times 20 \times 20 \text{ if } \alpha = C, E, F, G \\
& \sum_{\alpha=A}^H V_{\alpha} X_{\alpha} + \sum_{\alpha=A}^H \sum_{i=1}^3 \sum_{j=1}^5 v_i X_{\alpha ij} \leq 231 \times 92 \times 94 \\
& \sum_{\alpha=A}^H V_{\alpha} Y_{\alpha} + \sum_{\alpha=A}^H \sum_{i=1}^3 \sum_{j=1}^5 v_i Y_{\alpha ij} \leq 231 \times 92 \times 94 \\
& \sum_{\alpha=A}^H V_{\alpha} Z_{\alpha} + \sum_{\alpha=A}^H \sum_{i=1}^3 \sum_{j=1}^5 v_i Z_{\alpha ij} \leq 231 \times 92 \times 94 \\
\text{s.t. } & \sum_{i=1}^3 \sum_{j=1}^5 X_{\alpha ij} \leq M X_{\alpha} \text{ for } \alpha = A, B, \dots, G \\
& \sum_{i=1}^3 \sum_{j=1}^5 Y_{\alpha ij} \leq M X_{\alpha} \text{ for } \alpha = A, B, \dots, G \\
& \sum_{i=1}^3 \sum_{j=1}^5 Z_{\alpha ij} \leq M X_{\alpha} \text{ for } \alpha = A, B, \dots, G \\
& \sum_{\alpha=A}^H X_{\alpha} \leq M X \\
& \sum_{\alpha=A}^H Y_{\alpha} \leq M Y \\
& \sum_{\alpha=A}^H Z_{\alpha} \leq M Z \\
& X \leq 1 \\
& Y \leq 1 \\
& Z \leq 1 \\
& \sum_{j=1}^5 (2X_{\alpha 1j} + 2X_{\alpha 2j} + 3X_{\alpha 3j}) \leq P_{\alpha} \text{ for } \alpha = A, B, \dots, G \\
& \sum_{j=1}^5 (2Y_{\alpha 1j} + 2Y_{\alpha 2j} + 3Y_{\alpha 3j}) \leq P_{\alpha} \text{ for } \alpha = A, B, \dots, G \\
& \sum_{j=1}^5 (2Z_{\alpha 1j} + 2Z_{\alpha 2j} + 3Z_{\alpha 3j}) \leq P_{\alpha} \text{ for } \alpha = A, B, \dots, G
\end{aligned}$$

$$\text{s.t.} \left\{ \begin{array}{l} \sum_{\alpha=A}^H (X_{\alpha 11} + Y_{\alpha 11} + Z_{\alpha 11}) \geq d \\ \sum_{\alpha=A}^H (X_{\alpha 31} + Y_{\alpha 31} + Z_{\alpha 31}) \geq d \\ \sum_{\alpha=A}^H (X_{\alpha 12} + Y_{\alpha 12} + Z_{\alpha 12}) \geq 2d \\ \sum_{\alpha=A}^H (X_{\alpha 32} + Y_{\alpha 32} + Z_{\alpha 32}) \geq d \\ \sum_{\alpha=A}^H (X_{\alpha 13} + Y_{\alpha 13} + Z_{\alpha 13}) \geq d \\ \sum_{\alpha=A}^H (X_{\alpha 23} + Y_{\alpha 23} + Z_{\alpha 23}) \geq d \\ \sum_{\alpha=A}^H (X_{\alpha 14} + Y_{\alpha 14} + Z_{\alpha 14}) \geq 2d \\ \sum_{\alpha=A}^H (X_{\alpha 24} + Y_{\alpha 24} + Z_{\alpha 24}) \geq d \\ \sum_{\alpha=A}^H (X_{\alpha 34} + Y_{\alpha 34} + Z_{\alpha 34}) \geq 2d \\ \sum_{\alpha=A}^H (X_{\alpha 15} + Y_{\alpha 15} + Z_{\alpha 15}) \geq d \\ X, Y, Z, X_{\alpha}, Y_{\alpha}, Z_{\alpha}, X_{\alpha ij}, Y_{\alpha ij}, Z_{\alpha ij} \text{ are nonnegative integers.} \end{array} \right.$$

2 Model 2

R : A parameter indicating the significance of the video reconnaissance of road networks compared to medical supply delivery.

l_{α} : The max flight distance of the drone α .

T : The number of the nodes in the network.

U_{Xm} : $U_{Xm} = 1$ if container X is located at node m , where $m = 1, 2, \dots, T$. Otherwise $U_{Xm} = 0$.

U_{Ym} : $U_{Ym} = 1$ if container Y is located at node m , where $m = 1, 2, \dots, T$. Otherwise $U_{Ym} = 0$.

U_{Zm} : $U_{Zm} = 1$ if container Z is located at node m , where $m = 1, 2, \dots, T$. Otherwise $U_{Zm} = 0$.

$f(m, j)$: The length of the shortest path from node m to node j .

$$\begin{aligned} \min \quad & \sum_{\alpha=A}^H \sum_{i=1}^3 \sum_{j=1}^5 c_i (X_{\alpha ij} + Y_{\alpha ij} + Z_{\alpha ij}) + \sum_{\alpha=A}^H C_{\alpha} (X_{\alpha} + Y_{\alpha} + Z_{\alpha}) + W(X + Y + Z) \\ & - R \sum_{\alpha=A}^H l_{\alpha} (X_{\alpha} + Y_{\alpha} + Z_{\alpha}) \end{aligned}$$

Additional constraints:

$$\text{s.t.} \quad \left\{ \begin{array}{l} \sum_{m=1}^T U_{Xm} = 1 \\ \sum_{m=1}^T U_{Ym} = 1 \\ \sum_{m=1}^T U_{Zm} = 1 \\ \sum_{i=1}^3 X_{\alpha ij} \leq M(1 - U_{Xm}) \text{ if } l_{\alpha} < f(m, j), \text{ for } \alpha = A, \dots, G, m = 1, \dots, T, j = 1, \dots, 5 \\ \sum_{i=1}^3 Y_{\alpha ij} \leq M(1 - U_{Ym}) \text{ if } l_{\alpha} < f(m, j), \text{ for } \alpha = A, \dots, G, m = 1, \dots, T, j = 1, \dots, 5 \\ \sum_{i=1}^3 Z_{\alpha ij} \leq M(1 - U_{Zm}) \text{ if } l_{\alpha} < f(m, j), \text{ for } \alpha = A, \dots, G, m = 1, \dots, T, j = 1, \dots, 5 \\ U_{Xm}, U_{Ym}, U_{Zm} \in \{0, 1\} \end{array} \right.$$

3 Introduction

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi. Morbi ac orci et nisl hendrerit mollis. Suspendisse ut massa. Cras nec ante. Pellentesque a nulla. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Aliquam tincidunt urna. Nulla ullamcorper vestibulum turpis. Pellentesque cursus luctus mauris.

- minimizes the discomfort to the hands, or
- maximizes the outgoing velocity of the ball.

We focus exclusively on the second definition.

- the initial velocity and rotation of the ball,
- the initial velocity and rotation of the bat,
- the relative position and orientation of the bat and ball, and

- the force over time that the hitter hands applies on the handle.

Nulla malesuada porttitor diam. Donec felis erat, congue non, volutpat at, tincidunt tristique, libero. Vivamus viverra fermentum felis. Donec nonummy pellentesque ante. Phasellus adipiscing semper elit. Proin fermentum massa ac quam. Sed diam turpis, molestie vitae, placerat a, molestie nec, leo. Maecenas lacinia. Nam ipsum ligula, eleifend at, accumsan nec, suscipit a, ipsum. Morbi blandit ligula feugiat magna. Nunc eleifend consequat lorem. Sed lacinia nulla vitae enim. Pellentesque tincidunt purus vel magna. Integer non enim. Praesent euismod nunc eu purus. Donec bibendum quam in tellus. Nullam cursus pulvinar lectus. Donec et mi. Nam vulputate metus eu enim. Vestibulum pellentesque felis eu massa.

- the angular velocity of the bat,
- the velocity of the ball, and
- the position of impact along the bat.

Quisque ullamcorper placerat ipsum. Cras nibh. Morbi vel justo vitae lacus tincidunt ultrices. Lorem ipsum dolor sit amet, consectetur adipiscing elit. In hac habitasse platea dictumst. Integer tempus convallis augue. Etiam facilisis. Nunc elementum fermentum wisi. Aenean placerat. Ut imperdiet, enim sed gravida sollicitudin, felis odio placerat quam, ac pulvinar elit purus eget enim. Nunc vitae tortor. Proin tempus nibh sit amet nisl. Vivamus quis tortor vitae risus porta vehicula.

center of percussion [Brody 1986], Fusce mauris. Vestibulum luctus nibh at lectus. Sed bibendum, nulla a faucibus semper, leo velit ultricies tellus, ac venenatis arcu wisi vel nisl. Vestibulum diam. Aliquam pellentesque, augue quis sagittis posuere, turpis lacus congue quam, in hendrerit risus eros eget felis. Maecenas eget erat in sapien mattis porttitor. Vestibulum porttitor. Nulla facilisi. Sed a turpis eu lacus commodo facilisis. Morbi fringilla, wisi in dignissim interdum, justo lectus sagittis dui, et vehicula libero dui cursus dui. Mauris tempor ligula sed lacus. Duis cursus enim ut augue. Cras ac magna. Cras nulla. Nulla egestas. Curabitur a leo. Quisque egestas wisi eget nunc. Nam feugiat lacus vel est. Curabitur consectetur.

Theorem 3.1. \LaTeX

Lemma 3.2. $T_{\text{\LaTeX}}$.

Proof. The proof of theorem.

□

3.1 Other Assumptions

Suspendisse vel felis. Ut lorem lorem, interdum eu, tincidunt sit amet, laoreet vitae, arcu. Aenean faucibus pede eu ante. Praesent enim elit, rutrum at, molestie non, nonummy vel, nisl. Ut lectus eros, malesuada sit amet, fermentum eu, sodales cursus, magna. Donec eu purus. Quisque vehicula, urna sed ultricies auctor, pede lorem egestas dui, et convallis elit erat sed nulla. Donec luctus. Curabitur et nunc. Aliquam dolor odio, commodo pretium, ultricies non, pharetra in, velit. Integer arcu est, nonummy in, fermentum faucibus, egestas vel, odio.

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Sed commodo posuere pede. Mauris ut est. Ut quis purus. Sed ac odio. Sed vehicula hendrerit sem. Duis non odio. Morbi ut dui. Sed accumsan risus eget odio. In hac habitasse platea dictumst. Pellentesque non elit. Fusce sed justo eu urna porta tincidunt. Mauris felis odio, sollicitudin sed, volutpat a, ornare ac, erat. Morbi quis dolor. Donec pellentesque, erat ac sagittis semper, nunc dui lobortis purus, quis congue purus metus ultricies tellus. Proin et quam. Class aptent taciti sociosqu ad litora torquent per conubia nostra, per inceptos hymenaeos. Praesent sapien turpis, fermentum vel, eleifend faucibus, vehicula eu, lacus.

4 Analysis of the Problem

Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Donec odio elit, dictum in, hendrerit sit amet, egestas sed, leo. Praesent feugiat sapien aliquet odio. Integer vitae justo. Aliquam vestibulum fringilla lorem. Sed neque lectus, consectetur at, consectetur sed, eleifend ac, lectus. Nulla facilisi. Pellentesque eget lectus. Proin eu metus. Sed porttitor. In hac habitasse platea dictumst. Suspendisse eu lectus. Ut mi mi, lacinia sit amet, placerat et, mollis vitae, dui. Sed ante tellus, tristique ut, iaculis eu, malesuada ac, dui. Mauris nibh leo, facilisis non, adipiscing quis, ultrices a, dui.

$$(1) \qquad a^2 \qquad (1)$$

$$\begin{pmatrix} *20ca_{11} & a_{12} & a_{13} \\ a_{21} & a_{22} & a_{23} \\ a_{31} & a_{32} & a_{33} \end{pmatrix} = \frac{Opposite}{Hypotenuse} \cos^{-1} \theta \arcsin \theta$$

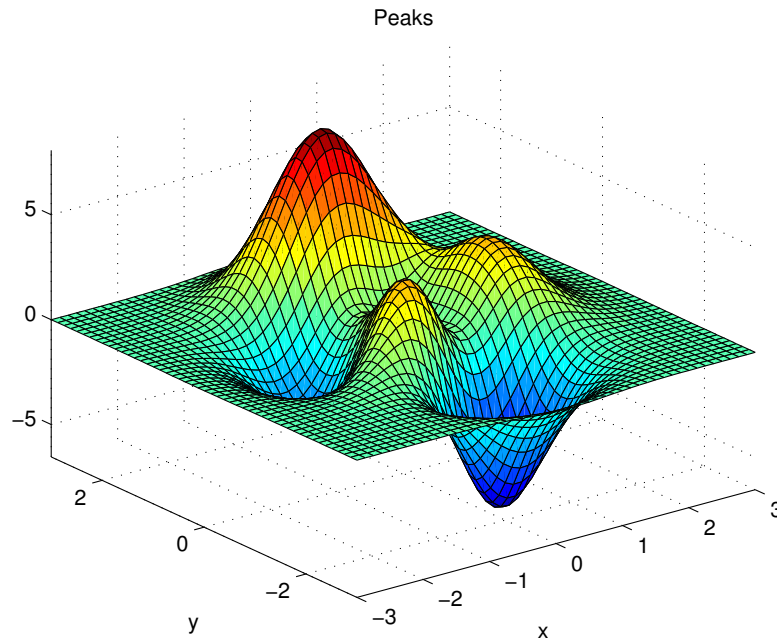


Figure 1: aa

Morbi luctus, wisi viverra faucibus pretium, nibh est placerat odio, nec commodo wisi enim eget quam. Quisque libero justo, consectetur a, feugiat vitae, porttitor eu, libero. Suspendisse sed mauris vitae elit sollicitudin malesuada. Maecenas ultricies eros sit amet ante. Ut venenatis velit. Maecenas sed mi eget dui varius euismod. Phasellus aliquet volutpat odio. Vestibulum ante ipsum primis in faucibus orci luctus et ultrices posuere cubilia Curae; Pellentesque sit amet pede ac sem eleifend consectetur. Nullam elementum, urna vel imperdiet sodales, elit ipsum pharetra ligula, ac pretium ante justo a nulla. Curabitur tristique arcu eu metus. Vestibulum lectus. Proin mauris. Proin eu nunc eu urna hendrerit faucibus. Aliquam auctor, pede consequat laoreet varius, eros tellus scelerisque quam, pellentesque hendrerit ipsum dolor sed augue. Nulla nec lacus.

$$p_j = \begin{cases} 0, & \text{if } j \text{ is odd} \\ r! (-1)^{j/2}, & \text{if } j \text{ is even} \end{cases}$$

Suspendisse vitae elit. Aliquam arcu neque, ornare in, ullamcorper quis, commodo eu, libero. Fusce sagittis erat at erat tristique mollis. Maecenas sapien libero, molestie et, lobortis in, sodales eget, dui. Morbi ultrices rutrum lorem. Nam elementum ullamcorper leo. Morbi dui. Aliquam sagittis. Nunc placerat. Pellentesque tristique sodales est. Maecenas imperdiet lacinia velit. Cras non urna. Morbi eros pede, suscipit ac, varius vel, egestas non, eros. Praesent malesuada, diam id pretium elementum, eros sem dictum tortor, vel consectetur odio sem sed wisi.

$$\arcsin \theta = \bigoplus_{\varphi} \lim_{x \rightarrow \infty} \frac{n!}{r! (n-r)!} \quad (1)$$

5 Calculating and Simplifying the Model

Sed feugiat. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Ut pellentesque augue sed urna. Vestibulum diam eros, fringilla et, consectetur eu, nonummy id, sapien. Nullam at lectus. In sagittis ultrices mauris. Curabitur malesuada erat sit amet massa. Fusce blandit. Aliquam erat volutpat. Aliquam euismod. Aenean vel lectus. Nunc imperdiet justo nec dolor.

6 The Model Results

Suspendisse vel felis. Ut lorem lorem, interdum eu, tincidunt sit amet, laoreet vitae, arcu. Aenean faucibus pede eu ante. Praesent enim elit, rutrum at, molestie non, nonummy vel, nisl. Ut lectus eros, malesuada sit amet, fermentum eu, sodales cursus, magna. Donec eu purus. Quisque vehicula, urna sed ultricies auctor, pede lorem egestas dui, et convallis elit erat sed nulla. Donec luctus. Curabitur et nunc. Aliquam dolor odio, commodo pretium, ultricies non, pharetra in, velit. Integer arcu est, nonummy in, fermentum faucibus, egestas vel, odio.

7 Validating the Model

Morbi luctus, wisi viverra faucibus pretium, nibh est placerat odio, nec commodo wisi enim eget quam. Quisque libero justo, consectetur a, feugiat vitae, porttitor eu, libero. Suspendisse sed mauris vitae elit sollicitudin malesuada. Maecenas ultricies eros sit amet ante. Ut venenatis velit. Maecenas sed mi eget dui varius euismod. Phasellus aliquet volutpat odio. Vestibulum ante ipsum primis in faucibus orci luctus et ultrices posuere cubilia Curae; Pellentesque sit amet pede ac sem eleifend consectetur. Nullam elementum, urna vel imperdiet sodales, elit ipsum pharetra ligula, ac pretium ante justo a nulla. Curabitur tristique arcu eu metus. Vestibulum lectus. Proin mauris. Proin eu nunc eu urna hendrerit faucibus. Aliquam auctor, pede consequat laoreet varius, eros tellus scelerisque quam, pellentesque hendrerit ipsum dolor sed augue. Nulla nec lacus.

8 Conclusions

Suspendisse vel felis. Ut lorem lorem, interdum eu, tincidunt sit amet, laoreet vitae, arcu. Aenean faucibus pede eu ante. Praesent enim elit, rutrum at, molestie non, nonummy vel, nisl. Ut lectus eros, malesuada sit amet, fermentum eu, sodales cursus, magna. Donec eu purus. Quisque vehicula, urna sed ultricies auctor, pede lorem egestas dui, et convallis elit erat sed nulla. Donec luctus. Curabitur et nunc. Aliquam dolor odio, commodo pretium, ultricies non, pharetra in, velit. Integer arcu est, nonummy in, fermentum faucibus, egestas vel, odio.

9 A Summary

Suspendisse vel felis. Ut lorem lorem, interdum eu, tincidunt sit amet, laoreet vitae, arcu. Aenean faucibus pede eu ante. Praesent enim elit, rutrum at, molestie non, nonummy vel, nisl. Ut lectus eros, malesuada sit amet, fermentum eu, sodales cursus, magna. Donec eu purus. Quisque vehicula, urna sed ultricies auctor, pede lorem egestas dui, et convallis elit erat sed nulla. Donec luctus. Curabitur et nunc. Aliquam dolor odio, commodo pretium, ultricies non, pharetra in, velit. Integer arcu est, nonummy in, fermentum faucibus, egestas vel, odio.

10 Evaluate of the Mode

11 Strengths and weaknesses

Etiam euismod. Fusce facilisis lacinia dui. Suspendisse potenti. In mi erat, cursus id, nonummy sed, ullamcorper eget, sapien. Praesent pretium, magna in eleifend egestas, pede pede pretium lorem, quis consectetur tortor sapien facilisis magna. Mauris quis magna varius nulla scelerisque imperdiet. Aliquam non quam. Aliquam porttitor quam a lacus. Praesent vel arcu ut tortor cursus volutpat. In vitae pede quis diam bibendum placerat. Fusce elementum convallis neque. Sed dolor orci, scelerisque ac, dapibus nec, ultricies ut, mi. Duis nec dui quis leo sagittis commodo.

11.1 Strengths

- **Applies widely**

This system can be used for many types of airplanes, and it also solves the interference during the procedure of the boarding airplane, as described above we can get to the optimization boarding time. We also know that all the service is automate.

- **Improve the quality of the airport service**

Balancing the cost of the cost and the benefit, it will bring in more convenient for airport and passengers. It also saves many human resources for the airline.

-

References

- [1] D. E. KNUTH The T_EXbook the American Mathematical Society and Addison-Wesley Publishing Company , 1984-1986.
- [2] Lamport, Leslie, L^AT_EX: “ 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
```

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;
}
```
