法政大学情報科学部卒業論文 · 大学院情報科学研究科修士論文 · 抄録フォーマット

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***Abstract*—English English English English English English English English English English English English English English English English**

1. プログラムコード

You can write program codes like this, this, this, this, this, this, and this:

```
/*
 * C program that says "Hello, World!"
 */
#include <stdio.h>

int main() {
  printf("Hello, World!\n");
  return 0;
}
```

2. 図表図表図表図表図表図表 (Section)

2.1. 表表表表表表表表 (Sub-section)

Table 1 shows an example of table. Table 1 shows an example of table. Table 1 shows an example of table. Table 1 shows an example of table. Table 1 shows an example of table. Table 1 shows an example of table.

表 1. TABLE EXAMPLE

left left	center center	right right
lef lef	cente cente	righ righ
le le	cent cent	rig rig
l l	cen cen	ri ri

表 2. TABLE EXAMPLE

hello2		right right
lef lef	cente cente	righ righ
le le	cent cent	rig rig
l l	cen cen	ri ri

新しい段落。Table 2 shows a table where “hello2” takes two columns. Table 2 shows a table where “hello2” takes two columns. Table 2 shows a table where “hello2” takes two columns. Table 2 shows a table where “hello2” takes two columns. Table 2 shows a table where “hello2” takes two columns.

2.2. 図図図図図図図図 (Sub-section)

Figure 1 shows an example of figure created with TGIF [1]. Figure 1 shows an example of figure created with TGIF [2]. Figure 1 shows an example of figure created with TGIF. Figure 1 shows an example of figure created with TGIF.

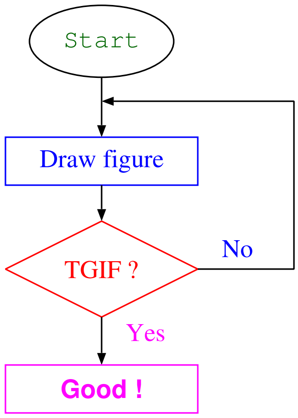

図 1. Figure example generated with tgif

Figure 2 shows another example of figure created with TGIF. Figure 2 shows another example of figure created with TGIF. Figure 2 shows another example of figure created with TGIF.

Figure 3 shows another example of figure created with gnuplot. Figure 3 shows another example of figure created with gnuplot.

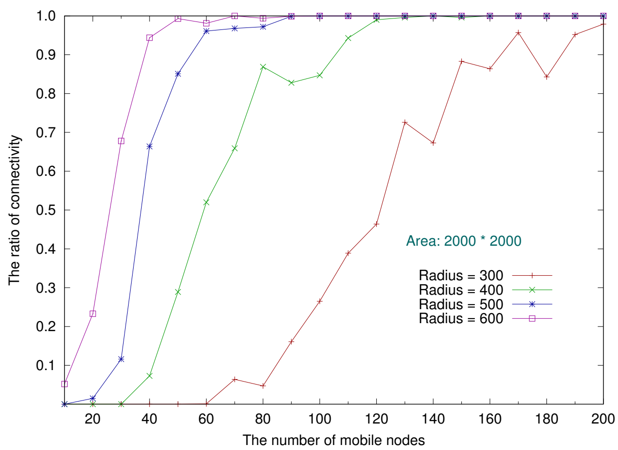

図 3. MANET connectivity

Figure 3 shows another example of figure created with gnuplot. Figure 3 shows another example of figure created

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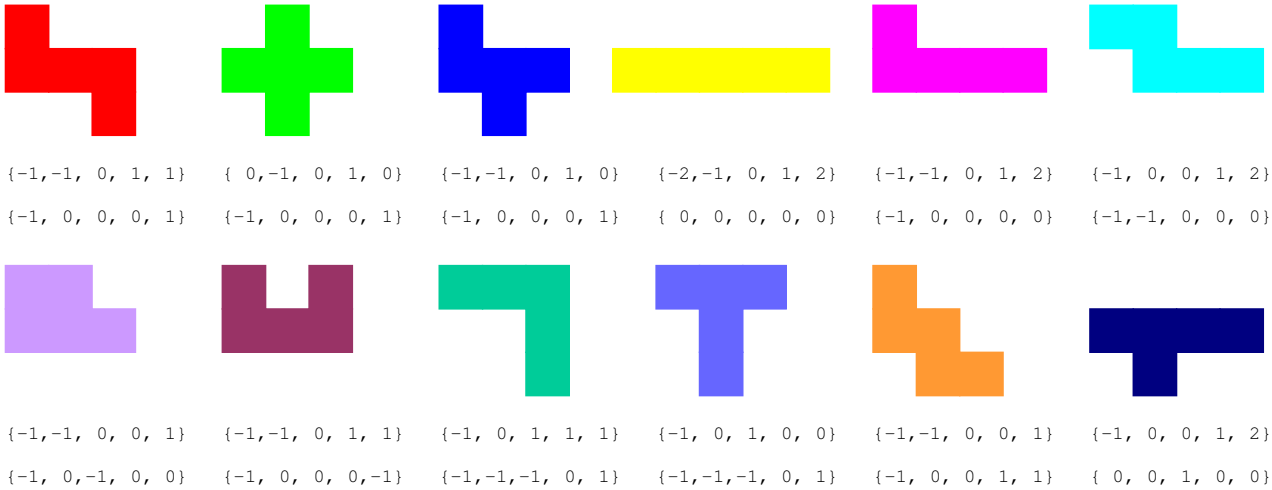

図 2. Blocks of 3D Tetris

with gnuplot. Figure 3 shows another example of figure created with gnuplot. Figure 3 shows another example of figure created with gnuplot. Figure 3 shows another example of figure created with gnuplot. Figure 3 shows another example of figure created with gnuplot.

3. 物体は地面に向かって落下する

Assume that the initial vertical velocity is 0 at time 0, and $g = 9.8$ is the gravitational acceleration. The falling vertical velocity v_y at time t is

$$v_y = gt$$

The falling vertical distance s at time t is

$$s = \int_0^t v_y \, dt = \int_0^t gt \, dt = \frac{1}{2}gt^2$$

4. 二項定理

$$(x+y)^i = \sum_{j=0}^{i} \left(\begin{array}{c} i \\ j \end{array} \right) x^{i-j} y^j$$

$$\left(\begin{array}{c} i \\ j \end{array} \right) = C_j^i = {}_iC_j = \frac{i!}{j!\,(i-j)!}$$

5. Merge Sort

Merge sort can be done by divide-and-conquer algorithm. To sort a subarray array[p..r], the merge sort uses divide-and-conquer as follows:

1) Divide by finding the number q of the position midway between p and r. Do this step the same way we found the midpoint in binary search: add p and r, divide by 2, and round down.
2) Conquer by recursively sorting the subarrays in each of the two subproblems created by the divide step. That is, recursively sort the subarray array[p..q] and recursively sort the subarray array[q+1..r].
3) Combine by merging the two sorted subarrays back into the single sorted subarray array[p..r].

An example of merge sort is shown in Figure 4.

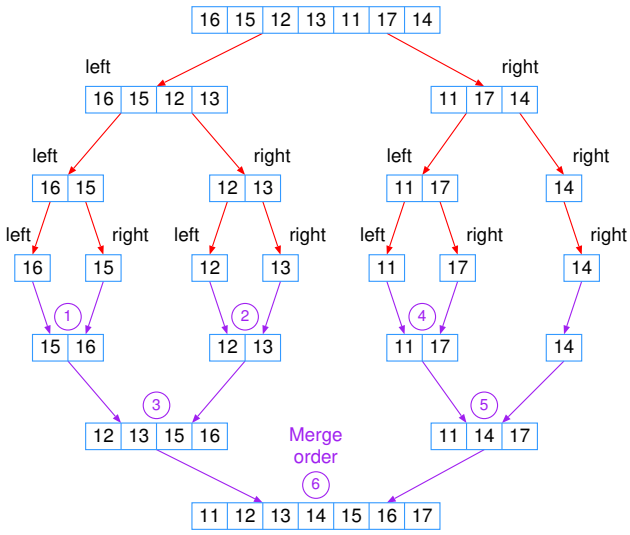

図 4. An example of merge sort

6. 結び

結論

参考文献

[1] P. Jacquet, P. Mühlethaler, T. Clausen, A. Laouiti, A. Qayyum, and L. Viennot, "Optimized link state routing protocol for ad hoc networks," in *Multi Topic Conference, 2001. IEEE INMIC 2001. Technology for the 21st Century. Proceedings. IEEE International*, 2001, pp. 62–68.

[2] C. E. Perkins and P. Bhagwat, "Highly dynamic destination-sequenced distance-vector routing (dsdv) for mobile computers," *ACM SIGCOMM computer communication review*, vol. 24, no. 4, pp. 234–244, 1994.