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|  |  |  |
| --- | --- | --- |
|  | Table T1 | Table T2 |
| [0] |  |  |
| [1] | ~~in physics~~  are known | String matching |
| [2] | Matrix searching |  |
| [3] | ~~California State University~~  School of Computer Science | ~~Algorithm Engineering~~  ~~Monge properties~~  ~~Algorithm Engineering~~  Monge properties |
| [4] | ~~Greedy pattern~~  Some related problem |  |
| [5] |  | Online algorithms |
| [6] | emphasis on |  |
| [7] |  |  |
| [8] | Fullerton |  |
| [9] |  |  |
| [10] | ~~String matching~~  ~~Online algorithms~~  ~~Server Problem~~  ~~one of the greatest mysteries~~  Server Problem | Greedy pattern |
| [11] |  | California State University |
| [12] | Optimal tree construction | Self-Stabilization |
| [13] |  | one of the greatest mysteries |
| [14] | Quantum nature of universe | in science |
| [15] | College of Engineering and Computer Science | ~~Server Problem~~  in physics |
| [16] | ~~Algorithm Engineering~~  ~~Monge properties~~  ~~Self-Stabilization~~  ~~Algorithm Engineering~~  ~~in science~~  ~~Monge properties~~  ~~Cuckoo Hashing is fun!~~  Algorithm Engineering | Cuckoo Hashing is fun! |

Program Output:

CPSC 335.01 - Programming Assignment #3: Cuckoo Hashing algorithm

Input the file name (no spaces)!

in6.txt

String <Algorithm Engineering> will be placed at t[16][0]

String <California State University> will be placed at t[3][0]

String <Fullerton> will be placed at t[8][0]

String <College of Engineering and Computer Science> will be placed at t[15][0]

String <School of Computer Science> will be placed at t[3][0] replacing <California State University>

String <California State University> will be placed at t[11][1]

String <Greedy pattern> will be placed at t[4][0]

String <Monge properties> will be placed at t[16][0] replacing <Algorithm Engineering>

String <Algorithm Engineering> will be placed at t[3][1]

String <String matching> will be placed at t[10][0]

String <Matrix searching> will be placed at t[2][0]

String <Optimal tree construction> will be placed at t[12][0]

String <Online algorithms> will be placed at t[10][0] replacing <String matching>

String <String matching> will be placed at t[1][1]

String <emphasis on> will be placed at t[6][0]

String <Server Problem> will be placed at t[10][0] replacing <Online algorithms>

String <Online algorithms> will be placed at t[5][1]

String <Some related problem> will be placed at t[4][0] replacing <Greedy pattern>

String <Greedy pattern> will be placed at t[10][1]

String <Self-Stabilization> will be placed at t[16][0] replacing <Monge properties>

String <Monge properties> will be placed at t[3][1] replacing <Algorithm Engineering>

String <Algorithm Engineering> will be placed at t[16][0] replacing <Self-Stabilization>

String <Self-Stabilization> will be placed at t[12][1]

String <one of the greatest mysteries> will be placed at t[10][0] replacing <Server Problem>

String <Server Problem> will be placed at t[15][1]

String <in science> will be placed at t[16][0] replacing <Algorithm Engineering>

String <Algorithm Engineering> will be placed at t[3][1] replacing <Monge properties>

String <Monge properties> will be placed at t[16][0] replacing <in science>

String <in science> will be placed at t[14][1]

String <Quantum nature of universe> will be placed at t[14][0]

String <in physics> will be placed at t[1][0]

String <are known> will be placed at t[1][0] replacing <in physics>

String <in physics> will be placed at t[15][1] replacing <Server Problem>

String <Server Problem> will be placed at t[10][0] replacing <one of the greatest mysteries>

String <one of the greatest mysteries> will be placed at t[13][1]

String <Cuckoo Hashing is fun!> will be placed at t[16][0] replacing <Monge properties>

String <Monge properties> will be placed at t[3][1] replacing <Algorithm Engineering>

String <Algorithm Engineering> will be placed at t[16][0] replacing <Cuckoo Hashing is fun!>

String <Cuckoo Hashing is fun!> will be placed at t[16][1]