**Banker’s Algorithms**

Table 1 Inputs

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Max | | | | Allocation | | | | Need (Max-Allocation) | | | | Available (Total-Allocation) | | | |
| A | B | C | D | A | B | C | D | A | B | C | D | A | B | C | D |
| P0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| P1 |  |  |  |  |  |  |  |  |  |  |  |  |
| P2 |  |  |  |  |  |  |  |  |  |  |  |  |
| P3 |  |  |  |  |  |  |  |  |  |  |  |  |
| P4 |  |  |  |  |  |  |  |  |  |  |  |  |

Table 2 Sol

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Work (Available) | | | | Need | | | | Allocation | | | | Available (Work+Allocation) | | | | Finish |
| A | B | C | D | A | B | C | D | A | B | C | D | A | B | C | D |
| P0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| P1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| P2 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| P3 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| P4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

Table 3 Inputs

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Max | | | | Allocation | | | | Need (Max-Allocation) | | | | Available (Total-Allocation) | | | |
| A | B | C | D | A | B | C | D | A | B | C | D | A | B | C | D |
| P0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| P1 |  |  |  |  |  |  |  |  |  |  |  |  |
| P2 |  |  |  |  |  |  |  |  |  |  |  |  |
| P3 |  |  |  |  |  |  |  |  |  |  |  |  |

Table 4 Sol

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Work (Available) | | | | Need | | | | Allocation | | | | Available (Work+Allocation) | | | | Finish |
| A | B | C | D | A | B | C | D | A | B | C | D | A | B | C | D |
| P0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| P1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| P2 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| P3 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**Banker’s Algorithms**

Table 5 Inputs

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Max | | | | Allocation | | | | Need (Max-Allocation) | | | | Available (Total-Allocation) | | | |
| A | B | C | D | A | B | C | D | A | B | C | D | A | B | C | D |
| P0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| P1 |  |  |  |  |  |  |  |  |  |  |  |  |
| P2 |  |  |  |  |  |  |  |  |  |  |  |  |
| P3 |  |  |  |  |  |  |  |  |  |  |  |  |
| P4 |  |  |  |  |  |  |  |  |  |  |  |  |

Table 6 Sol

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Work (Available) | | | | Need | | | | Allocation | | | | Available (Work+Allocation) | | | | Finish |
| A | B | C | D | A | B | C | D | A | B | C | D | A | B | C | D |
| P0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| P1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| P2 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| P3 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| P4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

Table 7 Inputs

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Max | | | | Allocation | | | | Need (Max-Allocation) | | | | Available (Total-Allocation) | | | |
| A | B | C | D | A | B | C | D | A | B | C | D | A | B | C | D |
| P0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| P1 |  |  |  |  |  |  |  |  |  |  |  |  |
| P2 |  |  |  |  |  |  |  |  |  |  |  |  |
| P3 |  |  |  |  |  |  |  |  |  |  |  |  |

Table 8 Sol

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Work (Available) | | | | Need | | | | Allocation | | | | Available (Work+Allocation) | | | | Finish |
| A | B | C | D | A | B | C | D | A | B | C | D | A | B | C | D |
| P0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| P1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| P2 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| P3 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |