Resource Allocation Graph

Obj1 Obj2

Q1

Q3

Q4

Q5

Q10

Applying Banker’s Algorithm:-

Maximum Resources:-

|  |  |
| --- | --- |
| Obj1 | 2 (instances) |
| Obj2 | 2 |

Resource Allocated Resource Need

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Queryname | Obj1 | Obj2 |  |  |  | Obj1 | Obj2 |
| Q1 | 1 | 0 |  |  |  | 0 | 1 |
| Q3 | 0 | 1 |  |  |  | 1 | 0 |
| Q4 | 0 | 1 |  |  |  | 1 | 0 |
| Q5 | 1 | 0 |  |  |  | 0 | 1 |
| Q10 | 0 | 0 |  |  |  | 0 | 1 |
|  |  |  |  |  |  |  |  |

Available Resources = (max resources) – (allocated resource)

= (2,2) – (2, 2) = (0,0)