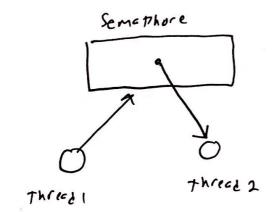
Activity 2

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Q1) Resource Allocation Graph



It is not Possible for the Silsten to become deadlocaed this is because the recourse allocation graph above shows that there are no complete Cycles. The single seniphere instance will not cause both threed one and two to worth for count at the same time.

## Activity 3

- Q2) The Untent of Matrix Need is:
- b) The System is in a Safe State, this is because available is equal to (1,5,2,0) So eithe Process 3 or Process 0 can run. Once Process 3 has been run its resource can then be released thus allowing all other Processes to run.