Deadlock Detection Algorithm

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Deadlock Detection

1. Mark each process that has a row in the allocation matrix of all zeros.
2. Initialize a temporary vector W equal to the available vector.
3. Find an index *i* such that the process *i* is currently unmarked and the *i*th row of Q is less than or equal to W. If not such is found, terminate the algorithm.
4. If such a row is found, mark process *i* and add the corresponding row of the allocation matrix to W.