![Chart, bubble chart

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Detect here cycle present or not.

First, we need an order vector like this.

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Another should be visited vector.

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Here just see at 1 again if visited already then check this exist in order vector or not.

Consider for this

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Same as earlier but no cycle as order come 1 time only.

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From 4 it will not go anywhere and hence no cycle.

Now from 4 recursion to change in order 4 to 0. same goes for other.

![Text

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Here comes to 1 ,1->4 exist but for 1 is 1 and 4 is 0 and hence no cycle.

Code:

Text

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Why we need array above consider a directed graph 1 directed to2 and 4 ,3 directed to 2 and 4.

So, 3 directed to itself. Now here loop start from 1 but will only go to 2 and 4 not to 3. hence check for each nodes.![Text

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1->2->3->1 at 1 again it is already visited hence else if it will go and if now loop end ord[src]=0 for that position.