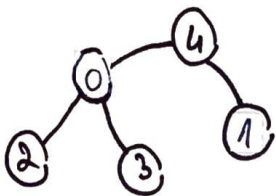


Vortex cover problem

visited \rightarrow list initialized with false



	u	visited[u]	v \rightarrow graph[u]	visited[v]	visited
iteration 1	0	false	2 {2, 3, 4}	false	<div>0 1 2 3 4</div> <div>F F F F F</div> <div>0 1 2 3 4</div> <div>T F T F F</div>
iteration 2	1	false	4 {4, 5}	false	<div>0 1 2 3 4</div> <div>T T T F T</div>
iteration 3	2	true			<div>0 1 2 3 4</div> <div>T T T F T</div>
iteration 4	3	false	0 {0}	true	<div>0 1 2 3 4</div> <div>T T T F T</div>
iteration 5	4	true			<div>0 1 2 3 4</div> <div>T T T F T</div> <div>STOP</div>

The vertices marked with true in the visited list represent the vertex cover.

Thus, the vertex cover is:

0, 1, 2, 4