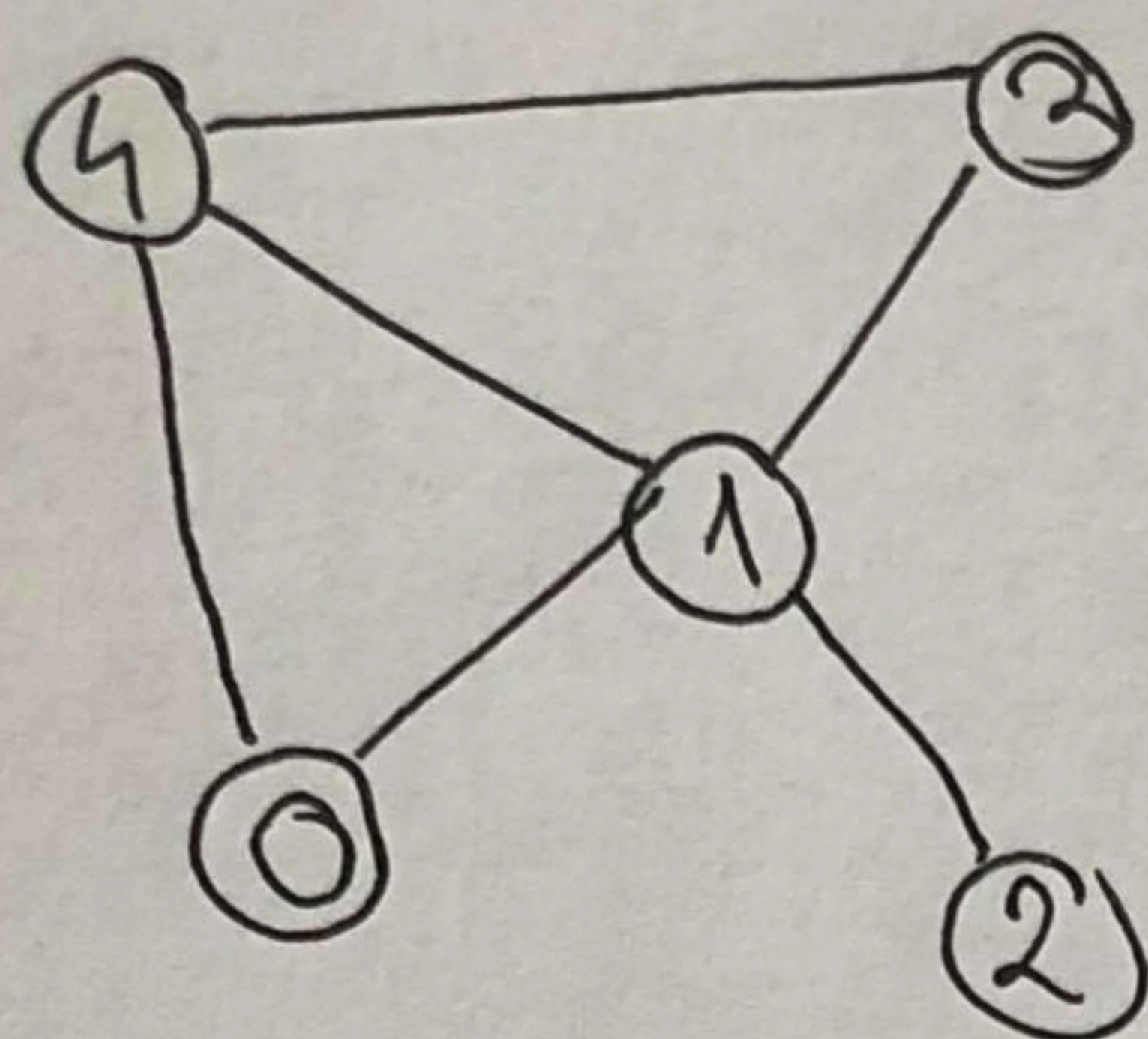


# Manual execution

## Vertex Cover of minimum size

G:



INPUT FILE:

```

5 6
0 1 3
1 2 5
3 1 7
4 1 1
  3 4 2
  0 4 9
    
```

	maxDegreeVertex: int	dictEdges: dictionary	solution: list
initialization	1	<div> <div>0 1 2 3 4</div> <div> <div>↓ ↓ ↓ ↓ ↓</div> <div>[1,4] [0,2,3,4] [] [1] [0,1,3]</div> </div> </div>	[ ]
iteration 1	1	<div> <div>0 1 2 3 4</div> <div> <div><del>[1,4]</del> <del>[0,2,3,4]</del> <del>[]</del> <del>[1]</del> <del>[0,1,3]</del></div> <div> <div>0 1 2 3 4</div> <div> <div>↓ ↓ ↓ ↓ ↓</div> <div>[4] [] [ ] [ ] [0,3]</div> </div> </div> </div> </div>	[1]
iteration 2	4	<div> <div>0 1 2 3 4</div> <div> <div><del>[4]</del> [ ] [ ] [ ] <del>[0,3]</del></div> </div> </div> <div> <div>0 1 2 3 4</div> <div> <div>↓ ↓ ↓ ↓ ↓</div> <div>[ ] [ ] [ ] [ ] [ ]</div> </div> </div> <p>The dictionary is now empty, so we return the <u>solution</u></p> <div> <div>↓ ↓</div> <div>[1,4]</div> </div>	[1,4]
STOP			