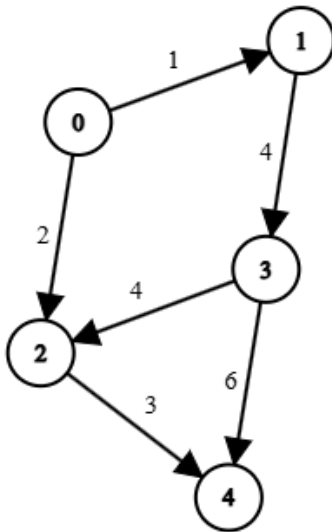


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Question 1 [15 Points]



Sample Input	5, graph	Number of Vertices, The Graph
Sample Output	3,	Answer Vertex Index. This Vertex 3 has the most Outgoing edges ; for the same reason , Vertex 0 can also be the answer .
	[0,6]	Array of Outgoing edges. Here, outgoing edge 4!>5 which is why the Array has 0 in that place and outgoing edge 6>5 so, that weight is added. As vertex 0 can also be the answer the resulting array for that would be [0,0] .

For this **directed, edge-weighted** graph implemented using an **adjacency list**, find the vertex with the most **outgoing edges**. The vertex must have **at least 2** outgoing edges; otherwise, **return -1** (for Java an Empty array). After finding the vertex, **return** an array of all the **outgoing edges** from that vertex that have a weight **greater than 5**.

[Assume **Node** and **Graph** classes have been **implemented** but, you **cannot** use **Adjacency Matrix**. Here, the graph]