QA Chunks for Query: Please use the shpfile information in Global\_Data.json and finally output the network performance changes after backing up new nodes after inputing file of attacking top 5 katz nodes

# Retrieved Chunks:

Chunk 1: 495. convert\_shpfile\_to\_network provides\_input\_to generate\_interdependent\_infrastrcuture\_networks\_using\_service\_areas provides\_input\_to measure\_facility\_importance\_using\_katz\_centrality provides\_input\_to cascading\_failure\_identification\_by\_big\_nodes\_attacks

Chunk 2: 722. convert\_shpfile\_to\_network provides\_input\_to generate\_interdependent\_infrastrcuture\_networks\_using\_service\_areas provides\_input\_to measure\_facility\_importance\_using\_katz\_centrality provides\_input\_to cascading\_failure\_identification\_by\_big\_nodes\_attacks provides\_input\_to post\_disaster\_network\_optimization\_by\_backup\_nodes

Chunk 3: 721. convert\_shpfile\_to\_network provides\_input\_to generate\_interdependent\_infrastrcuture\_networks\_using\_service\_areas provides\_input\_to measure\_facility\_importance\_using\_katz\_centrality provides\_input\_to cascading\_failure\_identification\_by\_big\_nodes\_attacks provides\_input\_to post\_disaster\_network\_optimization\_by\_backup\_edges

Chunk 4: 279. convert\_shpfile\_to\_network provides\_input\_to generate\_interdependent\_infrastrcuture\_networks\_using\_service\_areas provides\_input\_to measure\_facility\_importance\_using\_katz\_centrality provides\_input\_to cascading\_failure\_identification\_by\_big\_nodes\_attacks

Chunk 5: 492. convert\_shpfile\_to\_network provides\_input\_to generate\_interdependent\_infrastrcuture\_networks\_using\_service\_areas provides\_input\_to measure\_facility\_importance\_using\_kshell\_centrality provides\_input\_to cascading\_failure\_identification\_by\_big\_nodes\_attacks