* Algorithm will find minimal weight nodes to attack and disable so that all s-t paths in the residual network have path probability less than (1-alpha). It is a randomized algorithm. See

Venkatasubramanian Venkateswaran*, “Critical Element Analysis For Interdependent Infrastructure Networks Under Cascading Failures,”* VFRP Final Report, AFRL, Rome, NY, 2017.

* In the network, nodes are assumed to be numbered sequentially from 0. Also every link (u,v) has a probability of being functional (or present in the network). Every node has a integer weight from [1,5].
* Command Line Arguments:

alpha file\_path\prob500.txt file\_path\weights500.txt file\_path\Paths500.txt

* There are 4 arguments - alpha, network file, node weights file and paths file for alg to dump s-t paths generated and used. See included data files for samples of the first two.
* Algorithm requires linkage to CPLEX to function.

