**Week of 2024-02-05**

* challenging input ideas:
  + regular graphs (each node has the same/equal number of edges)
* testing out of a course –> remove course from the graph of prerequisites –> so the goal is to find the minimum number of nodes to remove (test out of) so that the remaining graph is a DAG
* need 3 parts:
  + input file (just upload something valid once the input assignment is open for deadline backup, but then work on it seriously)
  + algorithm to solve and give output
  + verification algorithm
* when download input, need to verify if it is yourself
* check if a DAG (can be done in linear time) -> check if a cycle -> check if a back edge (gray)
* good idea to check first thing if the input is already a DAG

Logistics:

* no need to submit any code, only need to submit input, output, verification results
* 70 inputs from other teams -> have 2 days to run and give our outputs
* check a correct output -> not checking if optimal, only check if the result is a DAG
* when an output is rejected first time -> better to try to reupload than to leave it rejected