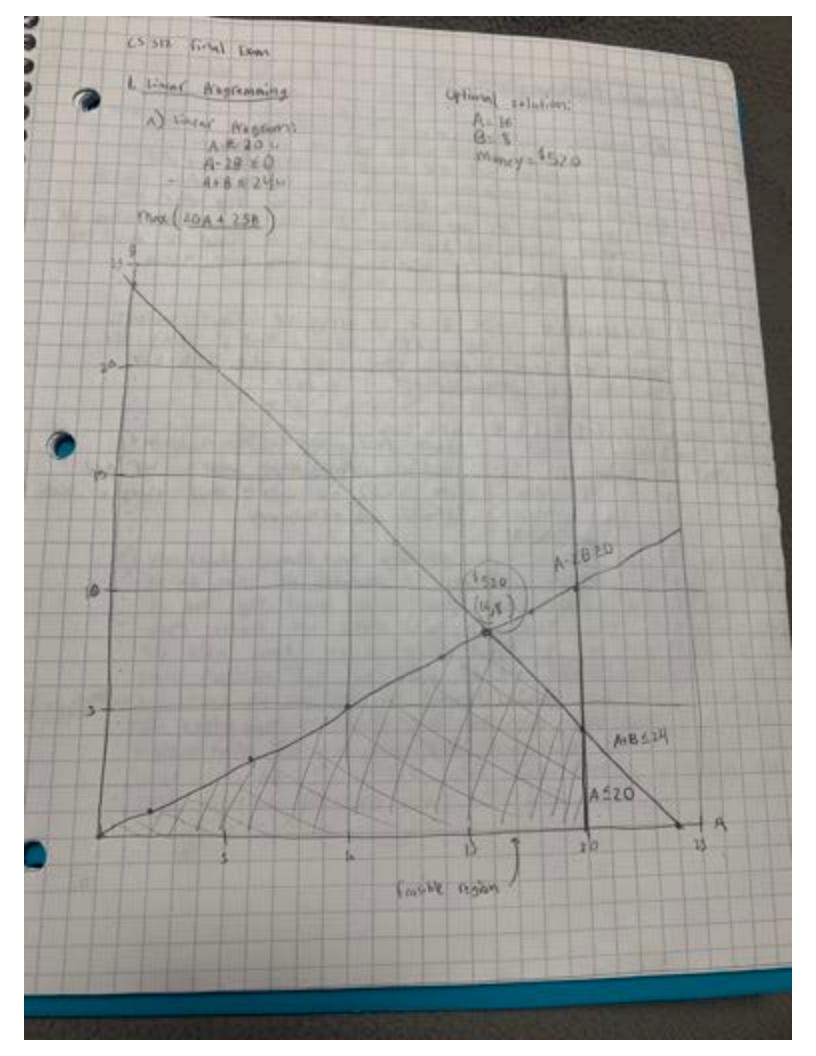
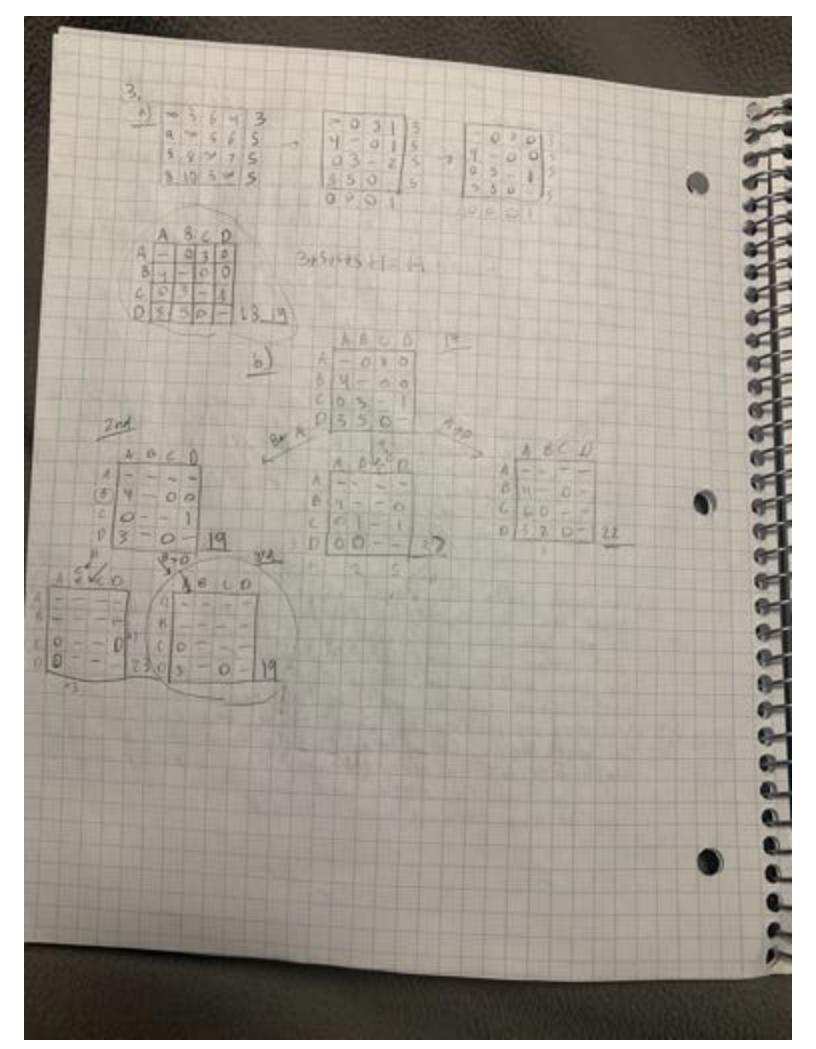
The Honor cade I have completed it entirely on my Phoso listed where Creathork, more horewer Projects, Class ecordings of white board and col. I have not will 1994 diseass of share my paid of this exem will all Stancel. 2m Ballange SAMUEL PROKINS



2. Dynamic Programming A) Bullety the solution for T() = ET(-1) The reensite retailers hip would sely us the consens chare solution at the iteration before, like the did with Gene of present we can stew the structure in Flag & but bookenly in each recognize step by cally open the current work for 14 solution, white us, we wake walnes for moreles, inde s, and submidulions and one those to find the with possible solution work schoring due again B) The structure would be a 2d array of integer smiles. The rise mould be LXP with Land p being the minist of mots memor start in milet how like this for the strample: 46685486) each finite would contain a value on show officing from warre my set Filled 4185 OPP White he orn Indel, we can show where a book b nonlear stand be removed Tot Proprity C

ACC FOT MyChint () trove educally with + e-one while FAT SAVING O fat in hell). a share within for a in health in long or hear at artificial list or me lett, and ne bit dismal salars chek that LG2 and KGD are revel rates if on, no little on (do, top, lart) 4 1 pully increased over beigning book other wise the it note (in, let lett) ding the money with from Charles with Clay carr, (all) was a standard back streets che it making my, bet) the a come took town to I) the first and state and a land with a way length of I and in the least of it. State completing comes with the the of many proposed to be at my in speck, changing which have door not alled the course on the see of the Time is alto a (min) because and north a rough party should in any party devation to thems out to devate to less which ever -3 O(an) the Long and Room? () You could create the bestern ways of size of () and m(x) As he ren the program, we maintein pointers up havely possitions in art the have come from which fredaces an optimal Art with we star from the laver right corner (mar legal) We then book track, Keeping track of the most health of tah Position his we visit. It the height doesn't change, and we care ove mark the position at bonny () = false and romy (1) - false "If height doesn't change and we come from whom, Bring (3) is WARKEN Folse, I'me come from right lader, Larray DE Folse, I'lls lease of with the promys whole take mening committing the box at the position from the pic



4 idea staits or overed and mobil strate, so also to take at order 44 or FREEE/Clank 2. We need to define our neighbor hand 5. premines and principal salables remains Timbet with. to an implexity total till to a problem WHILE BELL G.YS TE TO FINE IT IT IT Sound the District Proposers and with the tip - 1 to have har be DOMPA it tem 4 Y - F 150 1000 BURNESS ATT WHILE WAS WARDE Principle values in one closer to by Prutistic Who, a local search can only provide a lacal optimism solution, which is not the same as a global optional solution. It might be optional for its given necessarineds, but not necessary for the whole solution it every my it this next is worse it will claim to have the optional, which out days the cost

5 The goal of this problem is to unst as man scope for everyone) is quickly as passible. This is a 863 for each pariston to park the track in the neighborhood # (This is ensuming the graph to made for each house with a at litteres of I so still atter made run Dukston's may to an the small, will strong perform bens the truck position If max distance to passing number is a previous drawn the Hon distances That is the year least stack confirm The idistances computed for front-this are the number of minutes it would take to uncomple that hense that the ofting peritten by transport on every possible possion we present the many distances to be likely so we when the program that gives his the shortest true fram Dykstmi Algorithm In the could use knownth algorithm and create a minimum spanning tree to run Direstras OH, but I think wing Dukstras is appl enough

a) the Dukster's with a great wife great wife and down with cost made being cont, that would stony where the this (1) the population is beginn of () HE CHAMPIN PROPERTY D) THE IS DES BRING FLORING OF PERCH SHIP ON Cods mis (21) [4-1] STANKE OFFICE OF THE SER! A (Principal and) rebuch | if cart you down a land first course (Postan (D) + Gara (Ashan ()) of only sen go down (restrict (-1)) if anly cans go (15h) return recover (post ben (+1)) Time complexity: O(VIE) this is because vis number of werrers (pusible squares) E is piths from those Squares. Erch path has at most 2 possible patho, + is a simple DAS SPACE CONFLORING (CR.C), 165 12 FOR the Milled great, nothing olse is taking up space vasides (10) retains One thing I could improve is by using some Brank growthing algorithms, it wish improve the time complexity de lest.