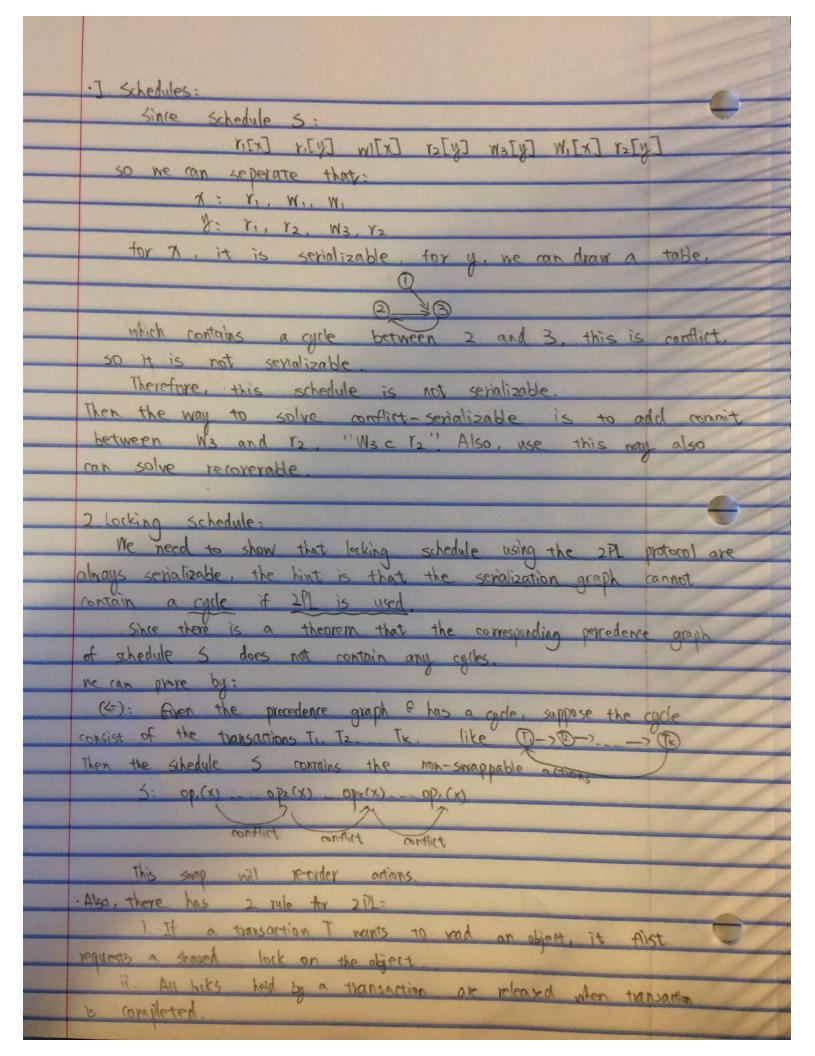
131516	·C5348 assignment 4
	-Name: chen Chen
	- UWID: 205/8383
-	
	-Question I.
	· Quent]:
	Tystudent sid, student Name 3 (5 (course semester = 4 V
	course semester = 5 V course semester) 1
	Cenvolled. semester = 1 V envolled. semester = 2 V
	envolled. semester = 3) (student \(\student \) (student . Sid =
	enrolled. Sid) enrolled M cenrolled. Cid = course. Cid) course)
	· Quent 2-
	idea: (Enrolled - (Enrolled 2 M Enrolled 2)) M student
	where Friedleds represents course, Enrolleds represents prereg, and
	satisfy course semester > Envolled semester.
	:. 1/45.5id, S. Norme 3 (O(5.5id = e. 5id) (Ps(student) x Pe (Enrolled))
-	- Missid s. Name i (O(c. semester > e1. semester)
	Crourse M (c. Cid = p. Cid) prerey) M (enrolled M (
	e. (id = p. (id) pre req))) (Pe, (enrolled) x ec (course) x
	(P(pereq))
	0 2
	Ofor query], since the block size is 2th, and we need assume
	the block factor is 27b for all blocks, then
	student: 236 -39
	Course: 276 = 19.5
	Envolled: 276 = 195
	Prereg: 10000 = 39
	Also, we assume students are all uniformity, such that
	10 second year classes filter == 4
	Select 10 filter semester 1-3, 5000/4 = 1400
	To all Join course & envolgent cid
	John to 1900
	9 = cost(R) + cost (result)
A STATE OF THE PARTY OF THE PAR	



Since 2PL strict, the above schedule is not possible. for example, T. first acquires shared lock on x and Y. When To mas, it lock on x The schedule leads to deadlock When T. tries to write A, it also blacks writing for T2 to relenged shared lak therefore, 2PL is used and do not romain a cycle.