be they have e solution 2 A The no-overlapping clark problem Pront the solution problem Shound halt problem would 17. Crac 1/4 ance least ance 15 X ane most 1 H cycles He cyclos hare numedy 5.4. cycle proble 15 at lost twice 2 that this problem is at 20 treveled problem of the B 631 less tevice cycles Hen every norther - X. pr 5 Copie Clistics Solution (distance [4] 1.68/1 solve yis there must t's 5 less+2 to convert In som S Y cycles constraint Riverel at mast half the W total E & y : dist(p., p.) < dist(p;.P; trough > The cycles problem is and the non-over laping else k problem JOYO-ON the He wortices 12.27 to covering the vertices Nii = N SLOCI MMMZM they are must pass 1+1 bren outsons An adolition Wis ž problem of W.5 TF Ce 2, g max Daval 30 4.1 at strong Tresult Delity

M)	Stock find Tool Book ot. Let K; = Set of Revounte Unigs for S; student s;
	The street of th
	Mangh: Reducing (He CLTOVE (G, K o X in H is also a
	Graph G at szes IVIII, IEIZIKED where substact at the hodes is complete (ie. Chas IK choose 2 edges). Add edges between end par (\$1, \$1) (AF 17) (ad \$1 ad \$1 short of less are Revenute this adjudge (\$1, \$2) (AF 17) (ad \$1 ad \$1 short of less and after pairs.
	3-9-3
	S

Shaine NP-Toplete!

Lead to be able to define a set of turbe conditions.

Het of House anditions are not the problem on be reduced From an SAT problem. where mrs the shings 0 - JA 181= K and \$8; has no 2's in the result then output you (W) out & No else her

