1.21 Let Polsk-SAT = 5/07/ husethest2 satisfying assignments, Show NP Complete Pouble SAT can beensily certified, since the truth assignment is the contificate, and clauses combe checked in poly time. We can reduce 3 set to double set : Givena 3 cnt function & cracte anon CNF y W= An(xn V xn) (xn isnutused in to This reduction is cheerly polytime we now see WI has a setistying assignment to fhis two sctistying assignments. It thes setistying essignment to it has two satisfying assignments,
in 25 if to has any solution, then the clause
clause (xn v xn) will always provide attent two sctisfying issignments xn=true and xn=talse Now the other direction Ithere cretwo setistying assignments to this a setistying assignment. this istrivial. Ineither use Pouble SAT and 3 SAT cre validated.