ESTO es TIGRES CSCI 570 - HW 10 It is in NP because polynomial at least because since is acyclic is not problems from the optimization problem. reduces to B. Theref to interpret A as an instance The new problem ertitier: check if any of the divi an divide the target number. If en it is composite. If not, then is a prime number. Jes, it is

ESTO ES TIGRES 1- Prove that degree. (=

ESTO ES TIGRES	
7) Loop through the gra	eph G with the
Hamiltonian Ucycle a	the cycle. Once all
the non-cycle edges are the remaining nodes in	e removed, just list
directed graph, O(e).	of the vestaling
5) True, Proof: Reduce instance of Hamiltonia	3-SAT to an
instance of the Hamil	tonian Cycle and
T to check if the	cycle is still there
G' with 2 Hamiltonia	an Cycle can Jbd
Therefore, there is a	T in Upoly nomial time
algorithm that does	this procedure.
	16, A