XV: 1 if use vertex V? binary Ye: 1 if use edge e.) Juv = xu, Juv = xv y: spanning tree on induced graph. Eye = Zxv-1 WSEV: Zye = |S|-1 eeE(S)

To love you = 1. P & u = xu = 1: NoT you = xu + xu = 1. HERE.

Q 5: Mamiltonien pett -t (eavel. Si: use leaves as a subrantine to soluc HP Loop through all pairs Picle pair of vertices u, v EV. Is there a spanning tree with leaver {u, u}? (f YES: Stop, Laur HP end loop.

