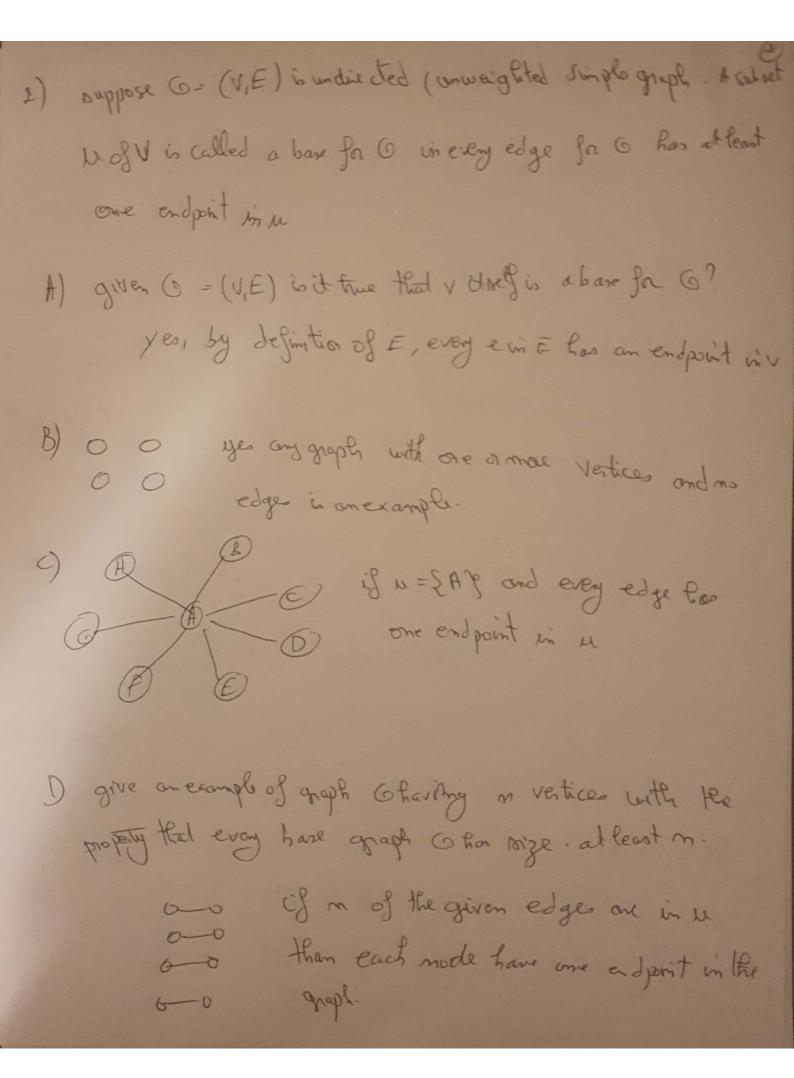
Lab MB sorted edges . E 1) step 1: initialisation AB, CD, AE, BD, EF, AF, DF, BC, ADY ABCPEF T= { 4 Step 2 C(A) 7 C(B) step 3: C(c) 7 c(D) T SABY A C - T-SAB, COY step 5 c (B) + c(D) step 4 C(A) & C(E) A ED É A E F F T= SAB, CD, AE'S step 6: C(E) + C(F) T= SAB, CD, AE, BD, EFG A E P F

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divise on algorithm to solve smallest Base decision. pe obtain set of all subsets of v. Coment Min = 101 Coment & V for u in p do for ein E do a = left andpoint of e be right endpoint of e if a in is orb in it then consist this e (1) Climent Bare E M. netur () the nummigtime to 0 (m2") 3) puppose 6 = (V,E) to an individed graph a wageted simple graph Aspaning cycle for Gis a simple cycle in G that contains every vertex of 6

B) He spanning cycle decision problem is a graph Otrell a simple cycle if concerneted and every veter is to has degree 2. algorithm check for Spanning (G (V,E)) hput: edges and vertices of 6 output: true if spanning and Jalu other wise take alledges of I bild adocury Matrix 1 sigedge exists on if doe not exist while ofther are unvisited edges) { check of there is connection from not to the first noch Check graph is commected check if each vatex = deg (v) - 23