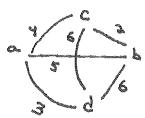
Graph G 18

- 1) uwdinacted
- 2) waizhted
- 3) complete
- +) SATISPIES The TRIANGLE MEQUALITY VU,V,W C (U,W) & C (U,V)+C(V,W)



TSP Solved by Trying All Parmutations

COST OF PRE ORDER WAIK NO MORE than Twice COST OF OFTIMAL TOUP.

LET C(T) be the cost of AN MST And C(H") be the Cost of AN OPTIMAL TOUR.

C(T) & C(H)

A Full walk Lists vertices when first and when subtree visited Aud Them Again when reconside unwinds.

WIS NOT B TOUT.

BT The Trimwills inequality, remove All but finat war.

H = a c b d

C(H) = 2C(H*)