corresponding to

- 1. a tout is a cycle and if we delete an edge off by it's a spanning tree. Mst cycle & Tour & ope
- 2. Total Sum is even. Sum of Evens is even.
  - -> Sum of odds is even. -> Size of sieven.
- 3. the TSP with only 5 is SOPT. Now

Since the Size is even, alternating whill give us W(MI)+M(M2) SOPT So

W(M) V W(M2) < OPT

4. Sis nodes with old degree and Madds

one edge to each hode, so Y hodes even degree

-> ] eyler circyit, cost(T) + (ost(M)

Wyn OPT+ OPT to

5. TSP < eyer 30PT. Alsonser sur some surfred

6.

Subject: Recitation 10 Month: \* switches mc 5 Witch Size 5-Path 32×43 4-69618 243 3 ×3