C: E, D, C=3 D: ED=1 H: EDM=3 B. E, D, C, B=4 A: EDGBA=1 Esk =5 M. EJBHJM -8 P · EID, HIGP = ! Pres Curr 6. EJDH, 6-81 E, D, H, 6, P, L = 12 E null F. E, D, H, G, P, L, F = 16 0 : E, D, H, 6, 0=9 D Visited: E,D, H, C, B, K, M, G, O, A, P, L, F 10 cust H 5 \subset 13 2, E M 6 OAPL Visited E, D, C, B, H, G, P, L, F, G, M, A 3. Both oloprithms found H in 4 iterations therefore they ove the sounc. 74. The time complexity of this case is oco21 because we use 2 nested the loops, one to read the nxn matrix, and the other to check symmetry of matrix which is no in worst case. So; $O(n^2) + O(n^2) = O(n^2)$. Where n is the size of the matrix. The space complexity. For this coole is n2 where in its size of the matrix because, the nxn matrix takes up our memory. 75. Time complexity is O(n) what it is the number of varticles, because I use for loops for this cold and none of them are nested so its all ocal. The space complexity of this cole is also OCn) whose in is the # of verticles because I stone OCn) elements in the graph I am 76. The time complexity is QVIEI where V is the Vertice, and E is the etge because in the worst case we go through every single vertice and edge in the graph using dfs. The space cumplexity is also occuted whom I is the venture and E is the edge because his store each of the edges of least once which = OCV+E).