AA

Assignment 4

Answer I

· Create a Graph G of n vertices and r edges where each vertex represents a wrestler and each edge represent a rivarly.

· Perform BFS traversal till all the vertices

have been visited.

"Wrestlers having even distance and professional wrestlers having odd distance are designated as babyfaces and heels.

· Assign wrestlers having even distance as babyfaces

and wrestlers having odd distance as heels.

babyface and a heel. If it does then there is

a vivarly.

Time taken overall: - O(n+v).

Name: Muhammad Uzair Section-F ROLL No. LIFIBBSCS0311 the value of max in min. . When all the nodes have been traversed as the selected vertex, min will contain the (minimum maximum distance. · Now create a tempMin variable and initialize it to 0. Perform BFS traversal again for every node until max is equal to min. Then the center vertex will be found. Time Complexity: - O(n+e) + O(n+e) = 0(n+e).