APPROX-TSP-TOUR(G, c)

1 select a vertex $r \in G.V$ to be a "root" vertex
2 compute a minimum spanning tree T for G from root r
        using MST-PRIM(G, c, r)
3 let H be a list of vertices, ordered according to when they are first visited
        in a preorder tree walk of T
4 **return** the hamiltonian cycle H