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# Step 3: Apply Girvan_Newman algorithm to build communities

# Apply girvan_newman algorithm
# Citation: "Community structure in social and biological networks"
# M. Girvan, M., E. J. Newman, PNAS, 2002

# Can uncomment the below line and change the input to girvan_newman
# (and to nx.draw()) to G_test to see an example of how the function works
# with a more straightforward network

# G_test = nx.karate_club_graph()

comm_list = community.girvan_newman(G) # Outputs list of nodes in each community as tuple
#####

This function deconstructs a graph object into communities
based on the girvan_newman algorithm (see 'references' folder)

Parameters:
arg1 (G): Graph object input

Returns:
c: generator, holds lists of node labels in each community

#####

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