PAGE\_RANK\_ALGORITHM(5)

import numpy as np

import networkx as nx

# Create a directed graph

G = nx.DiGraph()

# Add edges to the graph (example graph)

edges = [('A', 'B'), ('B', 'C'), ('C', 'A'), ('B', 'D')]

G.add\_edges\_from(edges)

# Compute PageRank

pagerank = nx.pagerank(G)

# Print the PageRank values

for node, rank in pagerank.items():

print(f"Node {node}: {rank:.4f}")