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105.Floyd Algorithm
AIM: To find the shortest path between all pairs
PROGRAM:
INF = float('inf')
def floyd_warshall(graph):
  n = len(graph)
  dist = [[0] * n for _ in range(n)]
  for i in range(n):
    for j in range(n):
       dist[i][j] = graph[i][j]
  for k in range(n):
    for i in range(n):
       for j in range(n):
         if dist[i][k] = INF and dist[k][j] = INF and dist[i][k] + dist[k][j] < dist[i][j]:
            dist[i][j] = dist[i][k] + dist[k][j]
  return dist
graph = [
  [0, 3, INF, 7],
  [8, 0, 2, INF],
  [5, INF, 0, 1],
  [2, INF, INF, 0]
]
result = floyd_warshall(graph)
for row in result:
  print(row)
```

TIME COMPLEXITY: O(n³)