[17:26:40] BHR Hamiltonian Path Solver (Python)

Enter value for P (number of vertices, e.g., 8): 60
Enter Frequency Partition (FP) as a comma-separated tuple (e.g., 0, 0, 2, 5): 9, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5

[17:29:25] Attempting to solve for P=60, FP=(9, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5)
[17:29:25] Representative Multiset: [1, 1, 1, 1, 1, 1, 1, 1, 1, 2, 2, 2, 2, 2, 3, 3, 3, 3, 3, 4, 4, 4, 4, 4, 5, 5, 5, 5, 5, 6, 6, 6, 6, 6, 7, 7, 7, 7, 7, 8, 8, 8, 8, 8, 9, 9, 9, 9, 9, 10, 10, 10, 10, 10, 11, 11, 11, 11, 11]

--- Results ---
[17:29:25] ✓ Path found for FP=(9, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5) in 0.4741 seconds.
Permutation: [1, 1, 1, 1, 1, 1, 1, 1, 1, 2, 2, 2, 2, 2, 3, 3, 3, 3, 3, 4, 4, 4, 4, 4, 5, 6, 5, 6, 5, 6, 5, 7, 5, 7, 6, 7, 6, 7, 9, 10, 9, 8, 7, 9, 8, 8, 10, 10, 9, 10, 11, 9, 11, 11, 8, 11, 11, 10, 8]
Path: [0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 11, 13, 15, 17, 19, 22, 25, 28, 31, 34, 38, 42, 46, 50, 54, 59, 53, 58, 52, 57, 51, 56, 49, 44, 37, 43, 36, 30, 23, 14, 24, 33, 41, 48, 39, 47, 55, 45, 35, 26, 16, 27, 18, 29, 40, 32, 21, 10, 20, 12]
Total Backtracks: 296322

[17:40:02] BHR Hamiltonian Path Solver (Python)

Enter value for P (number of vertices, e.g., 8): 55
Enter Frequency Partition (FP) as a comma-separated tuple (e.g., 0, 0, 2, 5): 9, 5, 5, 5, 5, 5, 4, 4, 4, 4, 4

[17:41:35] Attempting to solve for P=55, FP=(9, 5, 5, 5, 5, 5, 4, 4, 4, 4, 4)
[17:41:35] Representative Multiset: [1, 1, 1, 1, 1, 1, 1, 1, 1, 2, 2, 2, 2, 2, 3, 3, 3, 3, 3, 4, 4, 4, 4, 4, 5, 5, 5, 5, 5, 6, 6, 6, 6, 6, 7, 7, 7, 7, 7, 8, 8, 8, 8, 8, 9, 9, 9, 9, 9, 10, 10, 10, 10, 10, 11, 11, 11, 11, 11]

--- Results ---
[07:29:26] ✓ Path found for FP=(9, 5, 5, 5, 5, 5, 4, 4, 4, 4, 4) in 49670.4057 seconds.
Permutation: [1, 1, 1, 1, 1, 1, 1, 1, 1, 2, 2, 2, 2, 2, 3, 3, 3, 3, 3, 4, 4, 4, 4, 4, 5, 5, 5, 6, 5, 7, 6, 5, 11, 7, 6, 7, 6, 8, 6, 9, 10, 9, 7, 10, 8, 8, 10, 8, 9, 11, 11, 9, 11, 10]
Path: [0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 11, 13, 15, 17, 19, 22, 25, 28, 31, 34, 38, 42, 46, 50, 54, 49, 44, 39, 45, 40, 47, 53, 48, 37, 30, 36, 29, 35, 27, 33, 24, 14, 23, 16, 26, 18, 10, 20, 12, 21, 32, 43, 52, 41, 51]
Total Backtracks: 13433910615

[17:33:07] BHR Hamiltonian Path Solver (Python)

Enter value for P (number of vertices, e.g., 8): 100
Enter Frequency Partition (FP) as a comma-separated tuple (e.g., 0, 0, 2, 5): 9,9,9,9,9,9,9,9,9,9

[17:34:05] Attempting to solve for P=100, FP=(9, 9, 9, 9, 9, 9, 9, 9, 9, 9)
[17:34:05] Representative Multiset: [1, 1, 1, 1, 1, 1, 1, 1, 1, 2, 2, 2, 2, 2, 2, 2, 2, 3, 3, 3, 3, 3, 3, 3, 3, 4, 4, 4, 4, 4, 4, 4, 4, 5, 5, 5, 5, 5, 5, 5, 5, 6, 6, 6, 6, 6, 6, 6, 6, 7, 7, 7, 7, 7, 7, 7, 7, 8, 8, 8, 8, 8, 8, 8, 8, 9, 9, 9, 9, 9, 9, 9, 9, 9, 10, 10, 10, 10, 10, 10, 10, 10, 11, 11, 11, 11, 11, 11, 11, 11, 11]

[17:37:20] BHR Hamiltonian Path Solver (Python)

Enter value for P (number of vertices, e.g., 8): 101

Enter Frequency Partition (FP) as a comma-separated tuple (e.g., 0, 0, 2, 5): 10,9,9,9,9,9,9,9,9,9

[17:38:21] Attempting to solve for P=101, FP=(10, 9, 9, 9, 9, 9, 9, 9, 9, 9)
[17:38:21] Representative Multiset: [1, 1, 1, 1, 1, 1, 1, 1, 1, 2, 2, 2, 2, 2, 2, 2, 2, 2, 3, 3, 3, 3, 3, 3, 3, 3, 3, 4, 4, 4, 4, 4, 4, 4, 4, 4, 5, 5, 5, 5, 5, 5, 5, 5, 5, 6, 6, 6, 6, 6, 6, 6, 6, 6, 7, 7, 7, 7, 7, 7, 7, 7, 7, 8, 8, 8, 8, 8, 8, 8, 8, 8, 9, 9, 9, 9, 9, 9, 9, 9, 9, 10, 10, 10, 10, 10, 10, 10, 10, 10, 11, 11, 11, 11, 11, 11, 11, 11, 11]