Optimization Function:

Constraints:

Explanation: I'm trying to maximize the total weight carried by American and British flights, taking into account two budget scenarios of $7 million and $5 million. I can't have more than 44 planes in total, and another constraint caps the weighted sum of American and British planes at 64. Each American plane makes 21 flights and each British plane makes 21 flights as well. Both the number of American and British planes must be integers.

Berlin 7 Million Dollar Budget



Berlin 5 Million Dollar Budget

