Optimization Function:

max(american_flights * 30,000 lbs. + british_flights * 20,000 lbs.)

Constraints:

 $$7,000,000|$5,000,000 \ge $9,000 * american_flights + $5,000british_flights$ $44 \ge american_planes + british_planes$ $64 \ge 2 * american_planes + british_planes$ $american_flights = 21 * american_planes$ $british_flights = 21 * british_planes$ $american_planes = int$ $british_planes = int$

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

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Carg	0	C	Cost		Budget	Planes		Trips
American	30,000	America	n 9,000		≤ \$7,000,000 ∠	≤ 44 /	≤ 64	21
British	20,000	British	5,000					
Planes	Count	Measure	Totals		Flight Counts			Capacity
American	i 20	Cost	6300000		American	420		22680000
British	i 24	Planes	44		British	504		
		Crew	64					
		Cievi	O.					

Berlin 5 Million Dollar Budget

Carg	O	Cos	Cost		Budget	Planes	Crews	Trips	
American	30,000	American	9,000		≤ \$5,000,000 ∕	≤ 44	≤ 64	21	
British	20,000	British	5,000						
Planes	Count	Measure	Totals		Flight Counts			Capacity	
American	ⁱ 4	Cost	4851000		American	84		18900000	
British	i 39	Planes	43		British	819			
		Crew	47						