NorthWest Flights Flight Plan Profit Report

Attached is an excel document with a network model for feasible routings of the flights and maximum profit values for the option to lease up to and including 7 planes. The network model and profit values reflect a minimum of a 1-hour turn-around after each flight.

Here is a table of profit (per day) given number of planes leased:

|  |  |
| --- | --- |
| #Planes | Profit ($thousand) |
| 1 | 79 |
| 2 | 135 |
| 3 | 182 |
| 4 | 229 |
| 5 | 271 |
| 6 | 289 |
| 7 | 306 |

Out of these options leasing 7 planes yields the maximum optimal profit of $306,000 (per day).