

## Part A

1) Total cost(per year) for each aircraft type is as follows:

Aircraft Type	
A320	74375000
A330	163755000
B737	60261600
B747	132444000
Q400	33166000
ATR72	26224000

2) Cost per seat per km flown for each aircraft is as follows:

Aircraft Type	
A320	0.041667
A330	0.033333
B737	0.042500
B747	0.038095
Q400	0.051852
ATR72	0.056410

Aircraft 'A330' has lowest cost per seat per km flown

## Part B

For journey 'AA' to 'BB' aircraft type A330 is most suitable. It costs 50,000 per day and 2 trips have to be made.

For journey 'BB' to 'CC' aircraft type A330 is most suitable. It costs 1,08,333 per day and 2 trips have to be made.

For journey 'CC' to 'AA' aircraft type A320 is most suitable. It costs 5,000 per day and 2 trips have to be made.

For journey 'AA' to 'DD' aircraft type A320 is most suitable. It costs 12,500 per day and 2 trips have to be made.