



A) shortest distance from ORD  $\rightarrow$  LAX

ORD  $\rightarrow$  DFW  $\rightarrow$  LAX

$$803 + 1234 = 2037$$

B) shortest distance from JFK  $\rightarrow$  SFO

JFK  $\rightarrow$  ORD  $\rightarrow$  SFO

$$743 + 1847 = 2590$$

c) Find The MIT minimum spanning tree

$$6-1 = 1234$$

$$4-2 = 189$$

$$1-3 = 803 +$$

$$3-4 = 743$$

$$4-5 = 1043$$

$$0-6 = 338$$

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4400

