

Abilene Network Backbone

Original Incidence Matrix

The elements in this incidence matrix represent the number of ways a packet can travel from the row city to the column city in exactly one hop.

	Atl	Chi	Cle	Den	Hou	Ind	KC	LA	NY	Sea	Sun	DC
Atl												
Chi												
Cle												
Den												
Hou												
Ind												
KC												
LA												
NY												
Sea												
Sun												
DC												

Key City
Atl Atlanta
Chi Chicago
Cle Cleveland
Den Denver

Key City
Hou Houston
Ind Indianapolis
KC Kansas City
LA Los Angeles

Key City
NY New York
Sea Seattle
Sun Sunnyvale
DC Washington DC

Abilene Network Backbone

Incidence Matrix

The elements in this incidence matrix represent the number of ways a packet can travel from the row city to the column city in no more than _____ hops.

	Atl	Chi	Cle	Den	Hou	Ind	KC	LA	NY	Sea	Sun	DC
Atl												
Chi												
Cle												
Den												
Hou												
Ind												
KC												
LA												
NY												
Sea												
Sun												
DC												

Key City
Atl Atlanta
Chi Chicago
Cle Cleveland
Den Denver

Key City
Hou Houston
Ind Indianapolis
KC Kansas City
LA Los Angeles

Key City
NY New York
Sea Seattle
Sun Sunnyvale
DC Washington DC

Abilene Network Backbone

Incidence Matrix w/o Kansas City

The elements in this incidence matrix represent the number of ways a packet can travel from the row city to the column city in no more than _____ hops.

	Atl	Chi	Cle	Den	Hou	Ind	KC	LA	NY	Sea	Sun	DC
Atl							0					
Chi							0					
Cle							0					
Den							0					
Hou							0					
Ind							0					
KC	0	0	0	0	0	0	0	0	0	0	0	0
LA							0					
NY							0					
Sea							0					
Sun							0					
DC							0					

Key City
Atl Atlanta
Chi Chicago
Cle Cleveland
Den Denver

Key City
Hou Houston
Ind Indianapolis
KC Kansas City
LA Los Angeles

Key City
NY New York
Sea Seattle
Sun Sunnyvale
DC Washington DC