



















- (policy) => as packet goes thru network it will encounter different policies
- Bellman-Ford/Dijkstra don't work!
- $\hfill\square$ BGP allows attributes for AS and paths which

could include policies (policy-based routing).

BGP (Cont'd)

- When a BGP Speaker A advertises a prefix to its B that it has a path to IP prefix C, B can be certain that A is actively using that AS-path to reach that destination
- BGP uses TCP between 2 peers (reliability)
 Exchange entire BGP table first (50K+ routes!)
 - Later exchanges only incremental updates
 - Application (BGP)-level keepalive messages
 - □ Hold-down timer (at least 3 sec) locally config
- Interior and exterior peers: need to exchange reachability information among interior peers before updating intra-AS forwarding table. Shivkumar Kalvanaraman





































