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	Integrated services	Differentiated services	
Granularity of service differentiation	Individual flow	Aggregate of flows	
State in routers (e.g., sche- duling, buffer management)	Per-flow	Per-aggregate	
Traffic classification basis	Several header fields	The DS field (6 bits) of the IP header	
Type of service dlfferentiation	Deterministic or statistical guarantees	Absolute or relative assurances	
Admission control	Required	Required for absolute differentiation only	
Coordination for service differentiation	End-to-end	Local (per-hop)	
Scope of service differentiation	A unicast or multicast path	Anywhere in a network or in specific paths	
Scalability	Limited by the number of flows	Limited by the number of classes of service	
Network accounting	Based on flow characteristics and QoS requirement	Based on class usage]
Network management	Similar to circuit-switched networks	Similar to existing IP networks	17

































