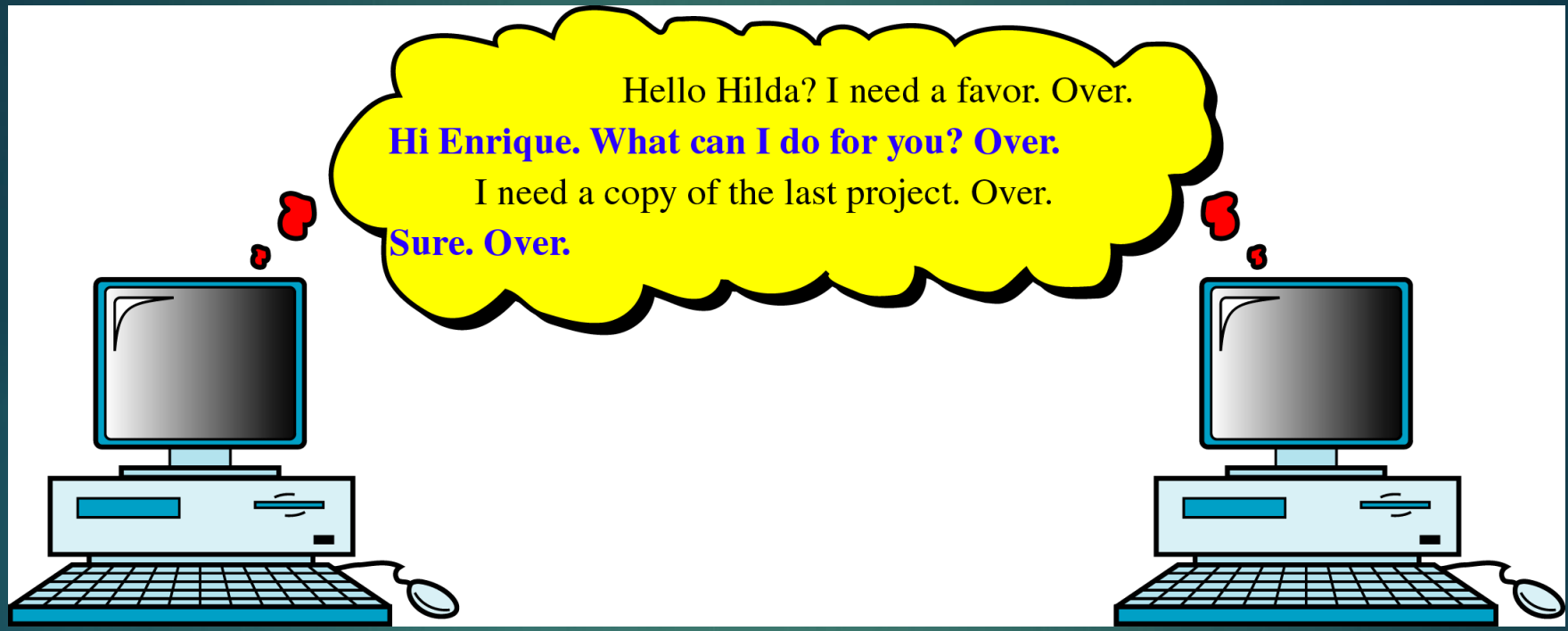
UNIT VI

APPLICATION LAYER

By Sucheta Raut

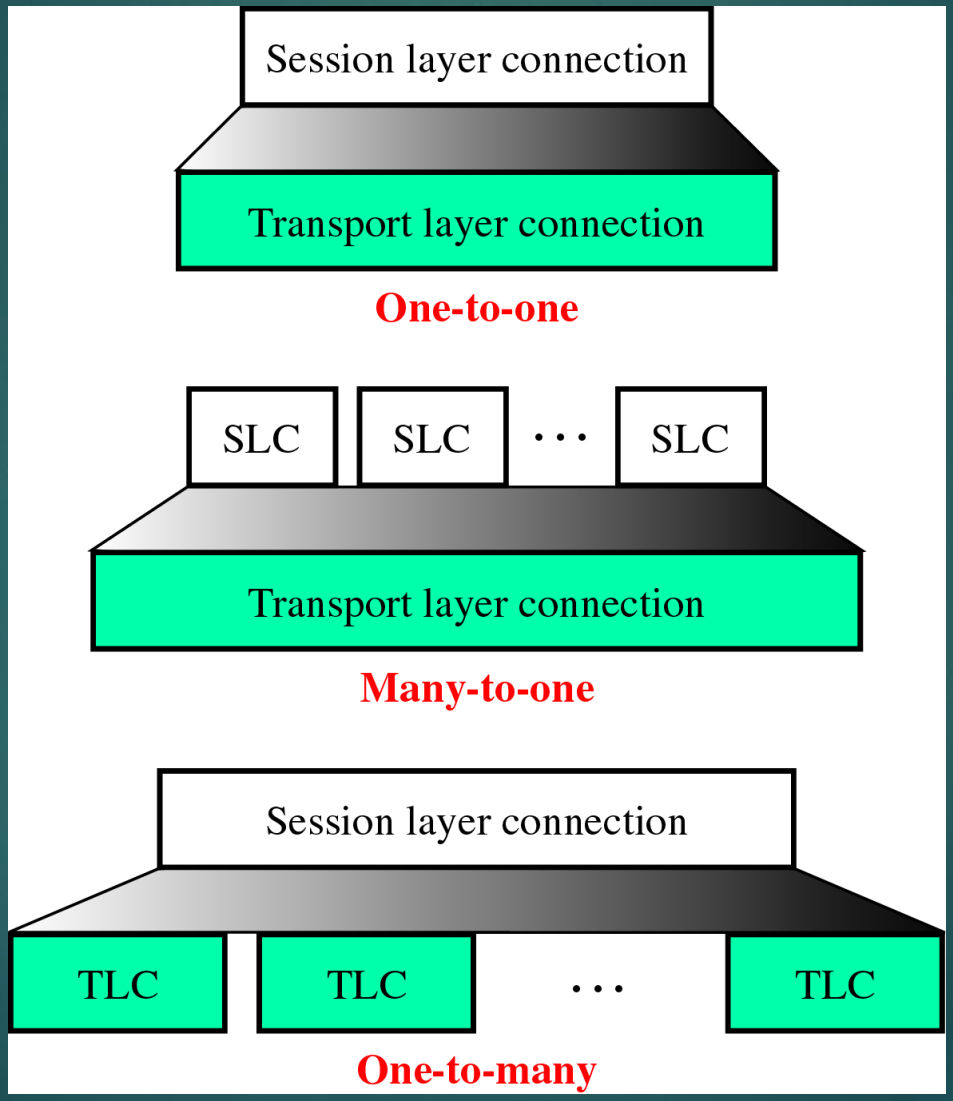
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Session Layer Dialog



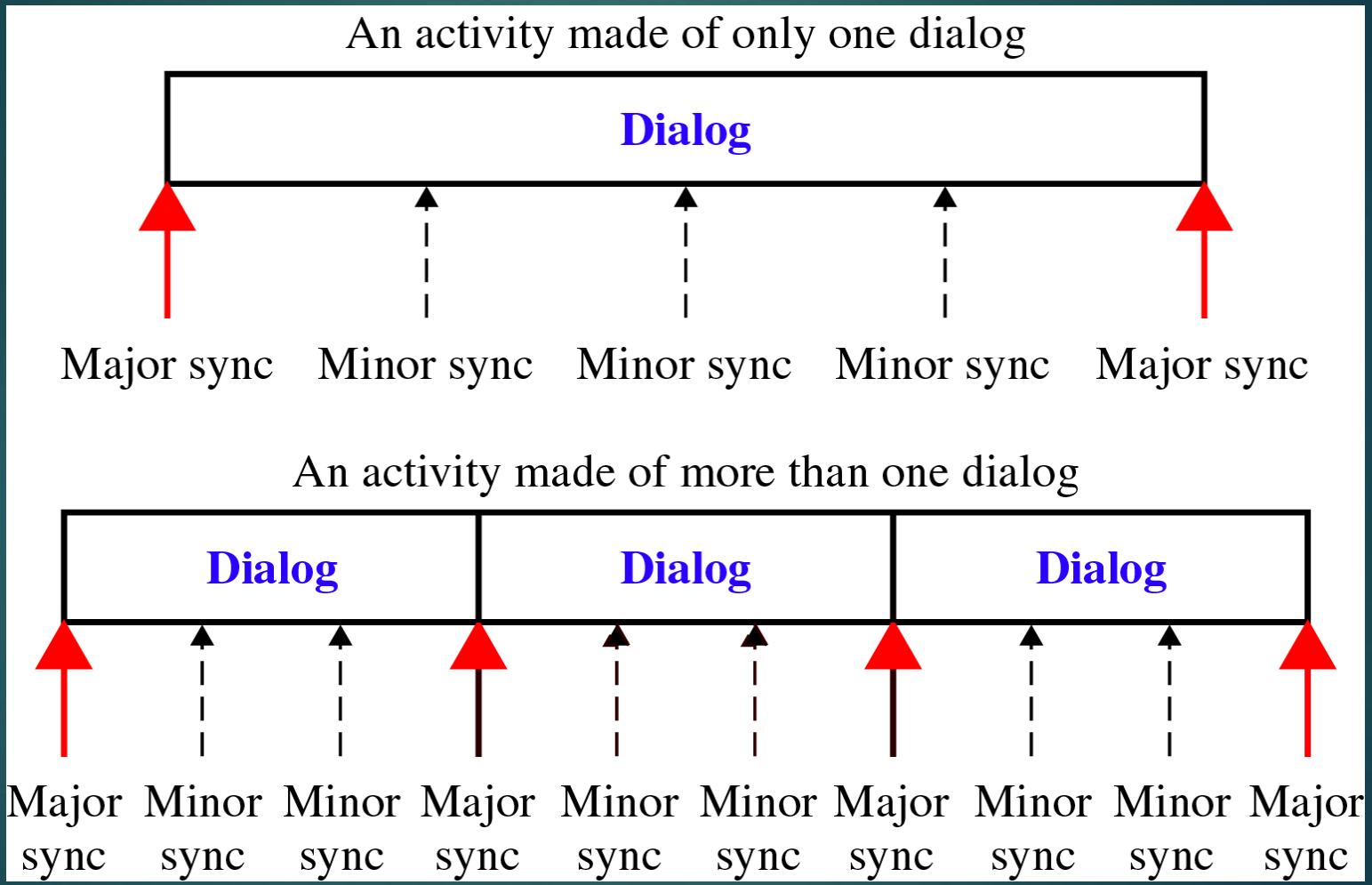
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Session-to-Transport Layer Communication



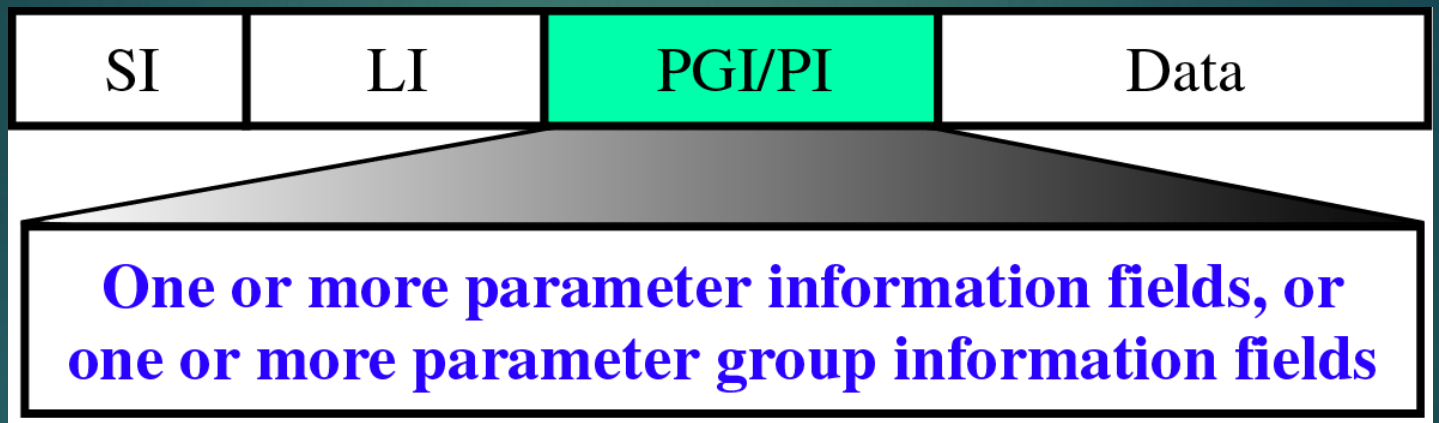
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Synchronization Points



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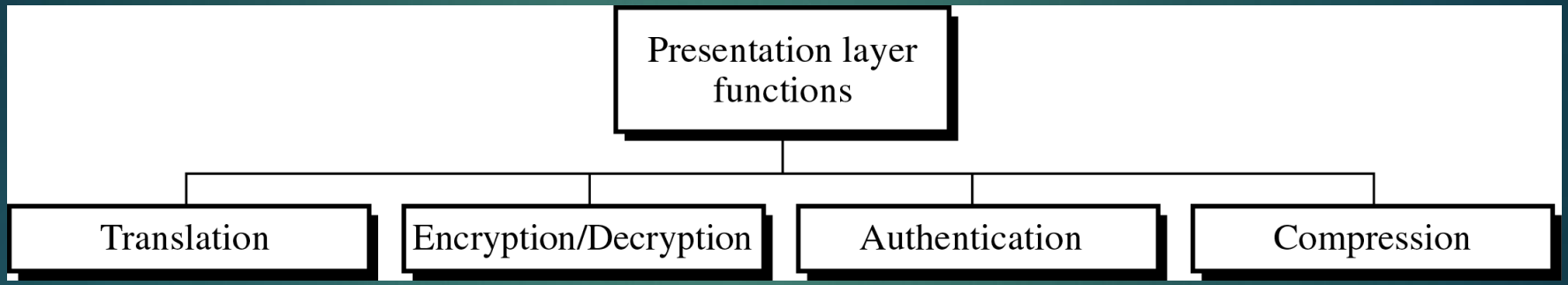
SPDU



SI → SPDU identifier
LI → Length indicator
PI → Parameter information
PGI → Parameter group information

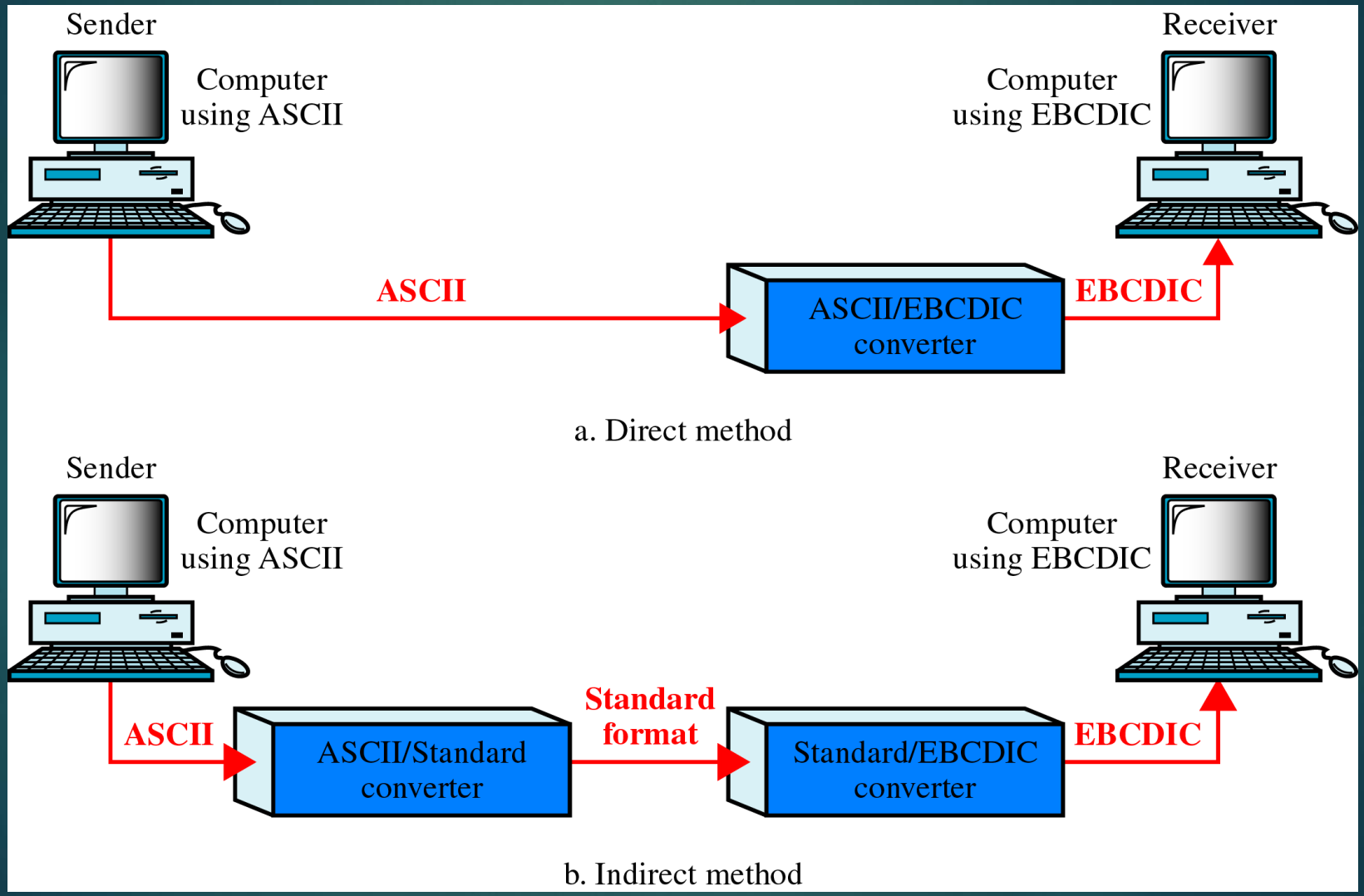
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Presentation Layer Functions



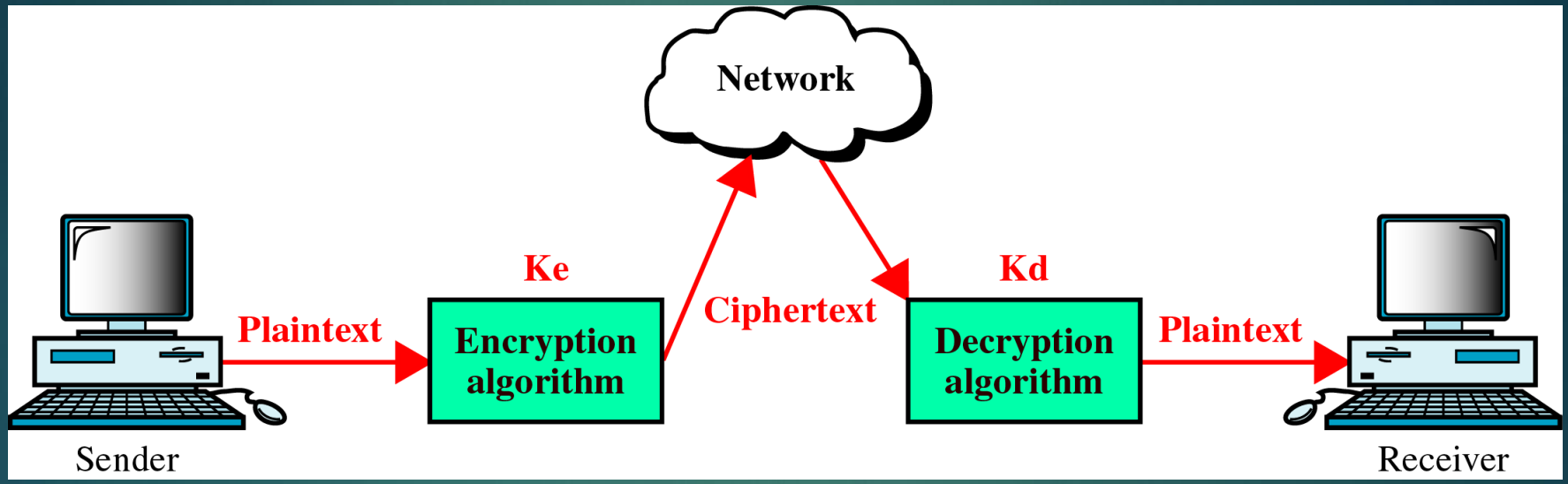
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Direct and Indirect Methods of Translation



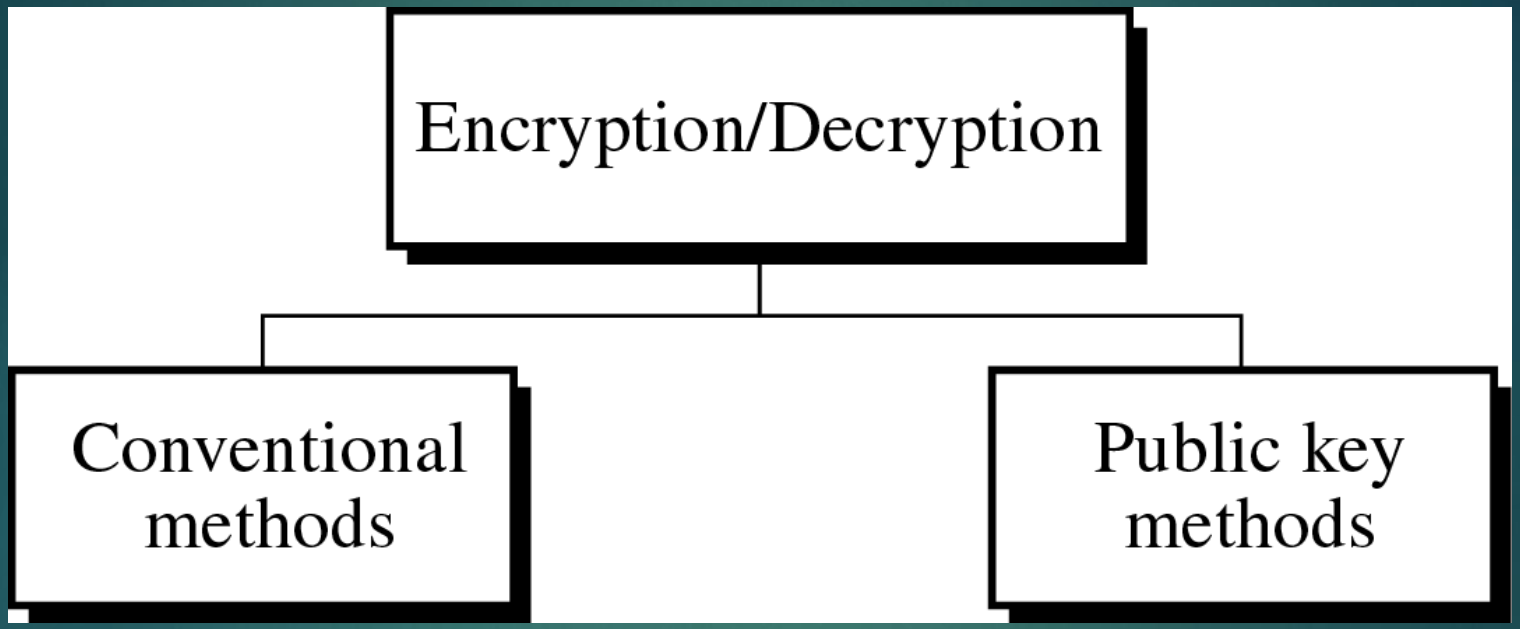
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Concept of Encryption and Decryption



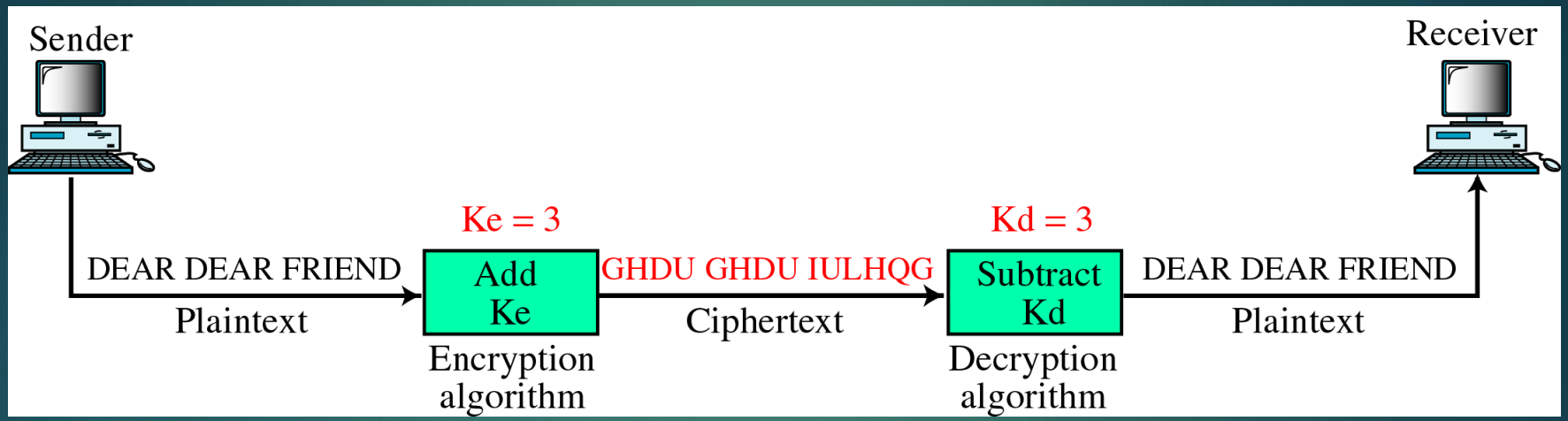
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Encryption/Decryption Methods



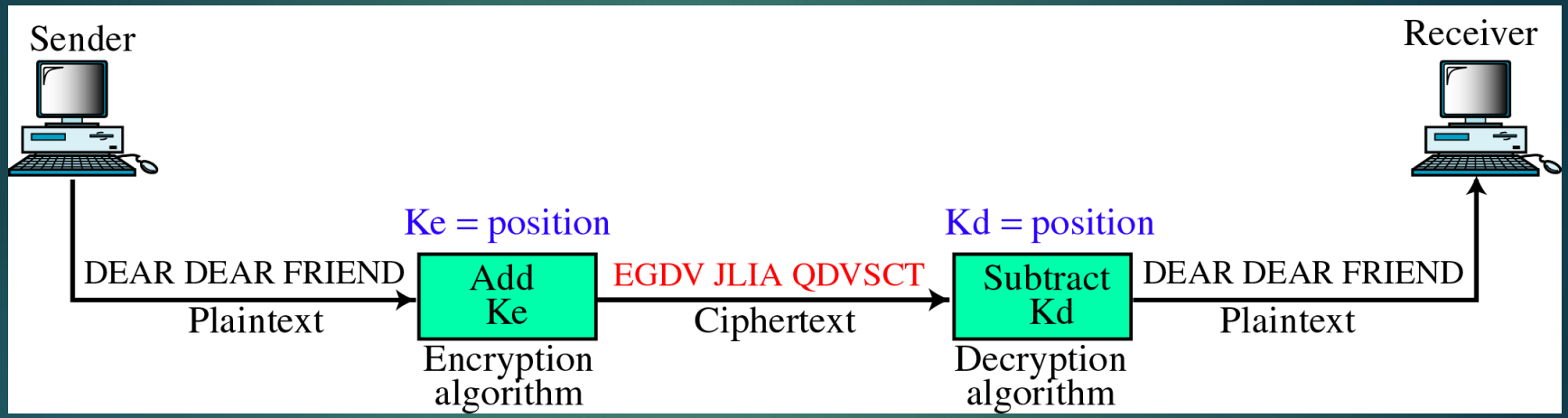
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Monoalphabetic Substitution



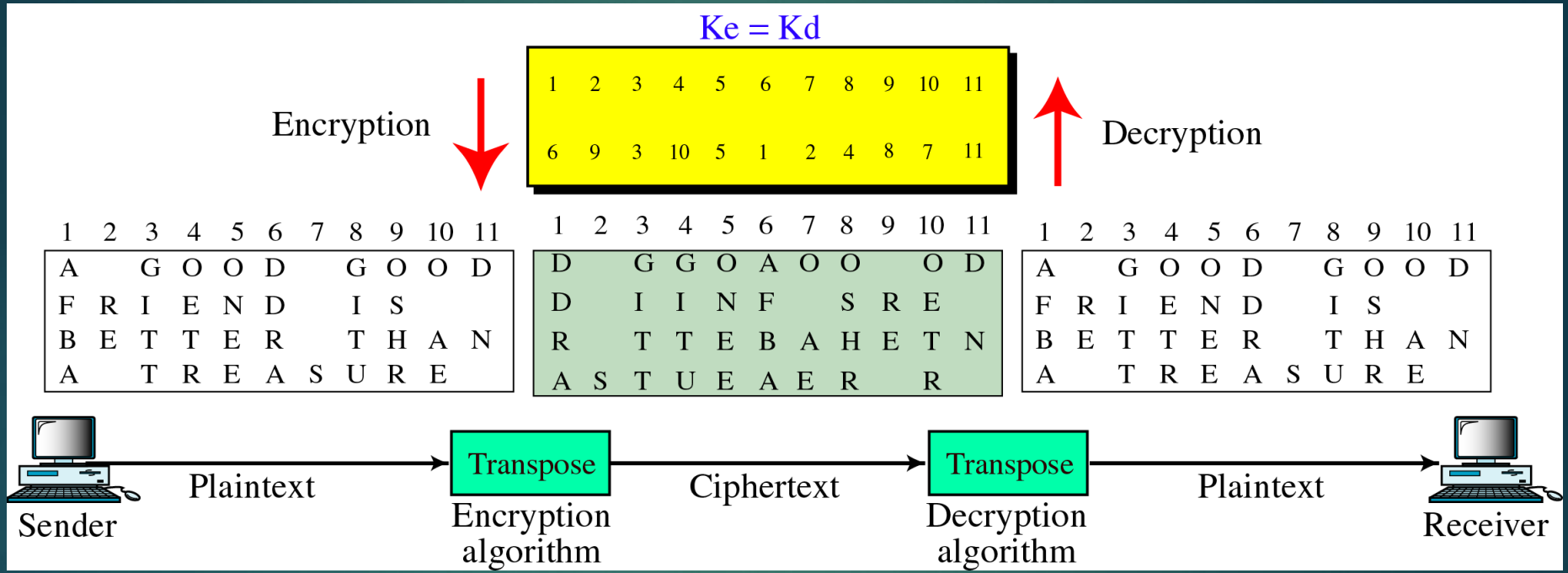
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Polyalphabetic Substitution



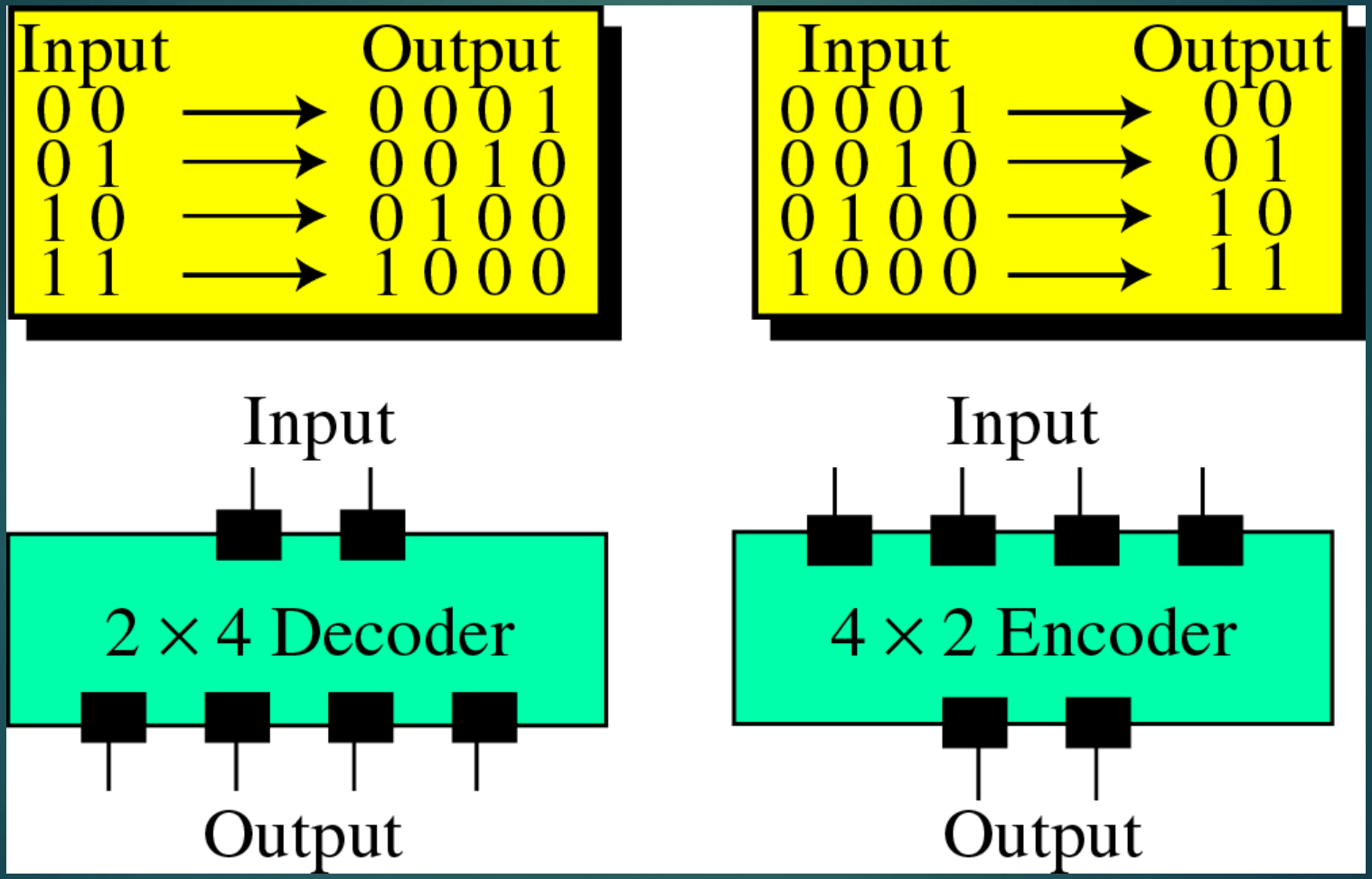
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Transpositional Encryption



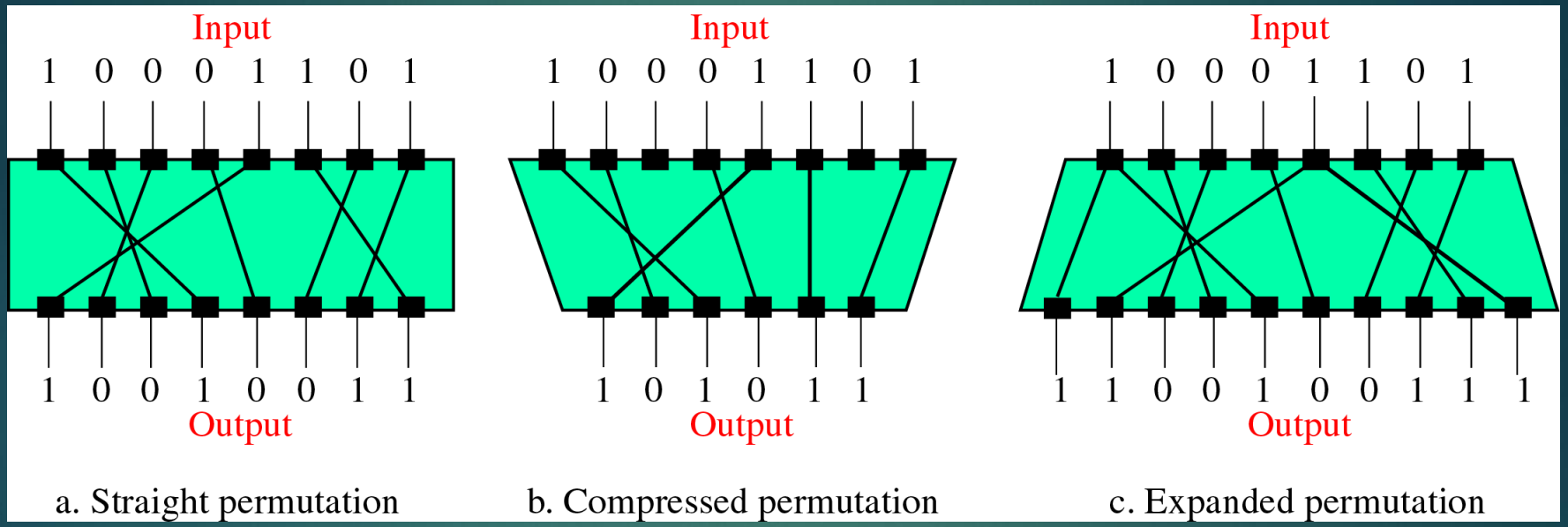
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Encoding/Decoding



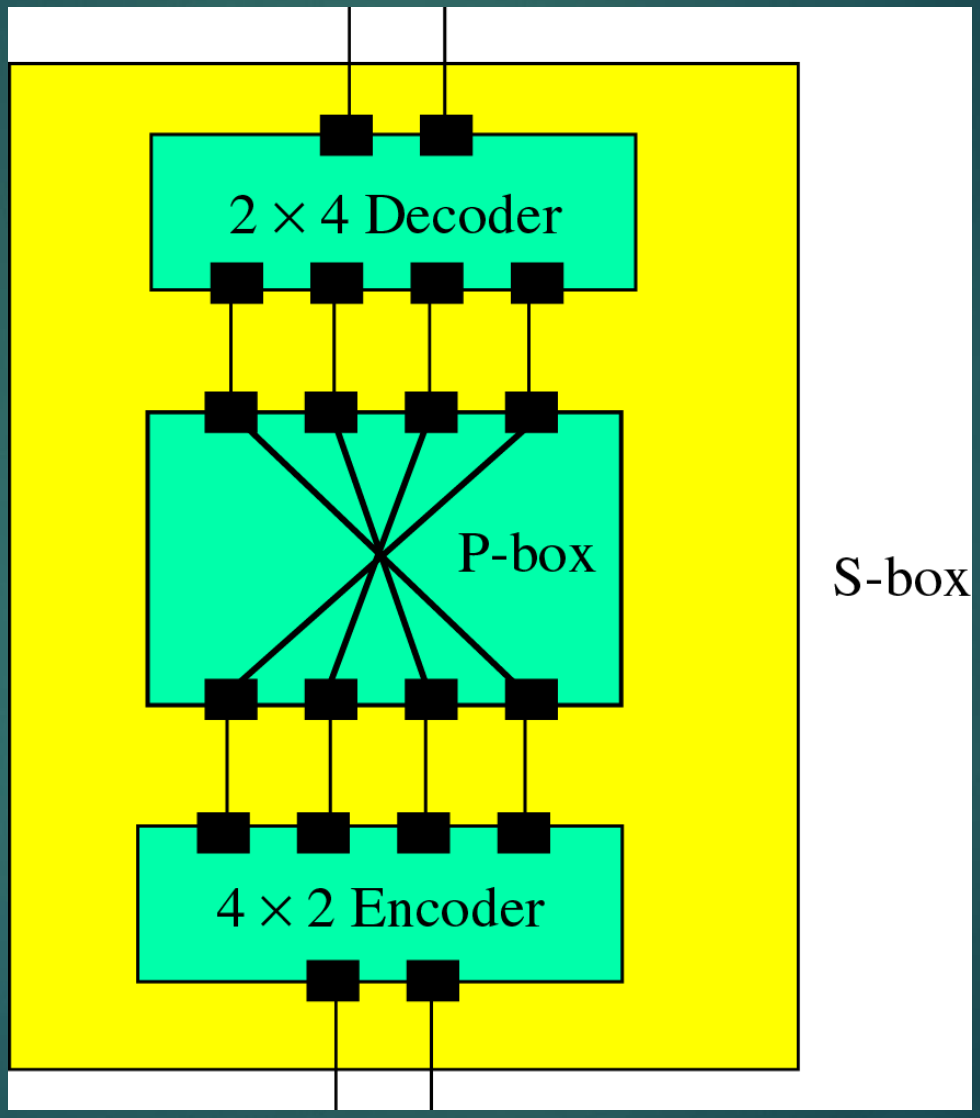
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Permutation



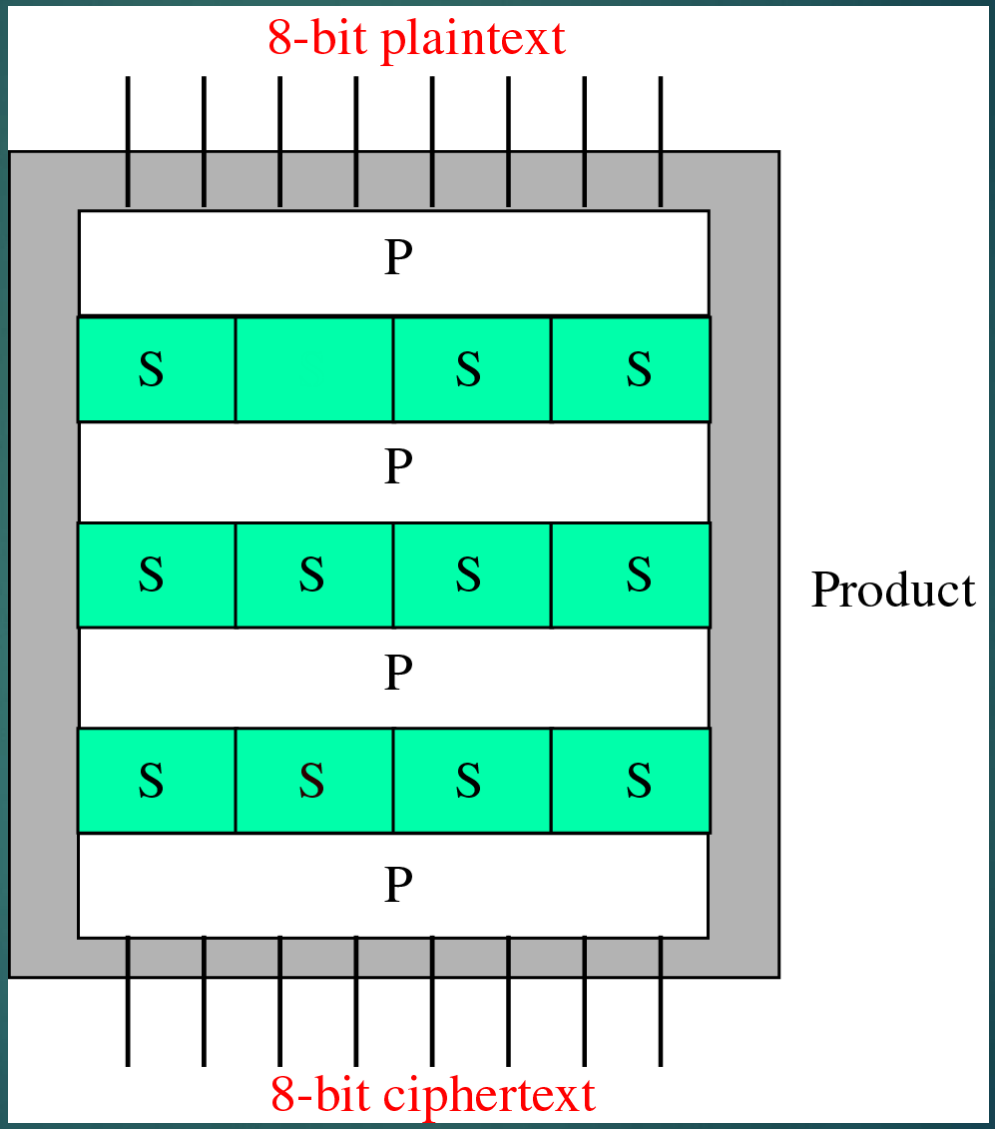
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Substitution



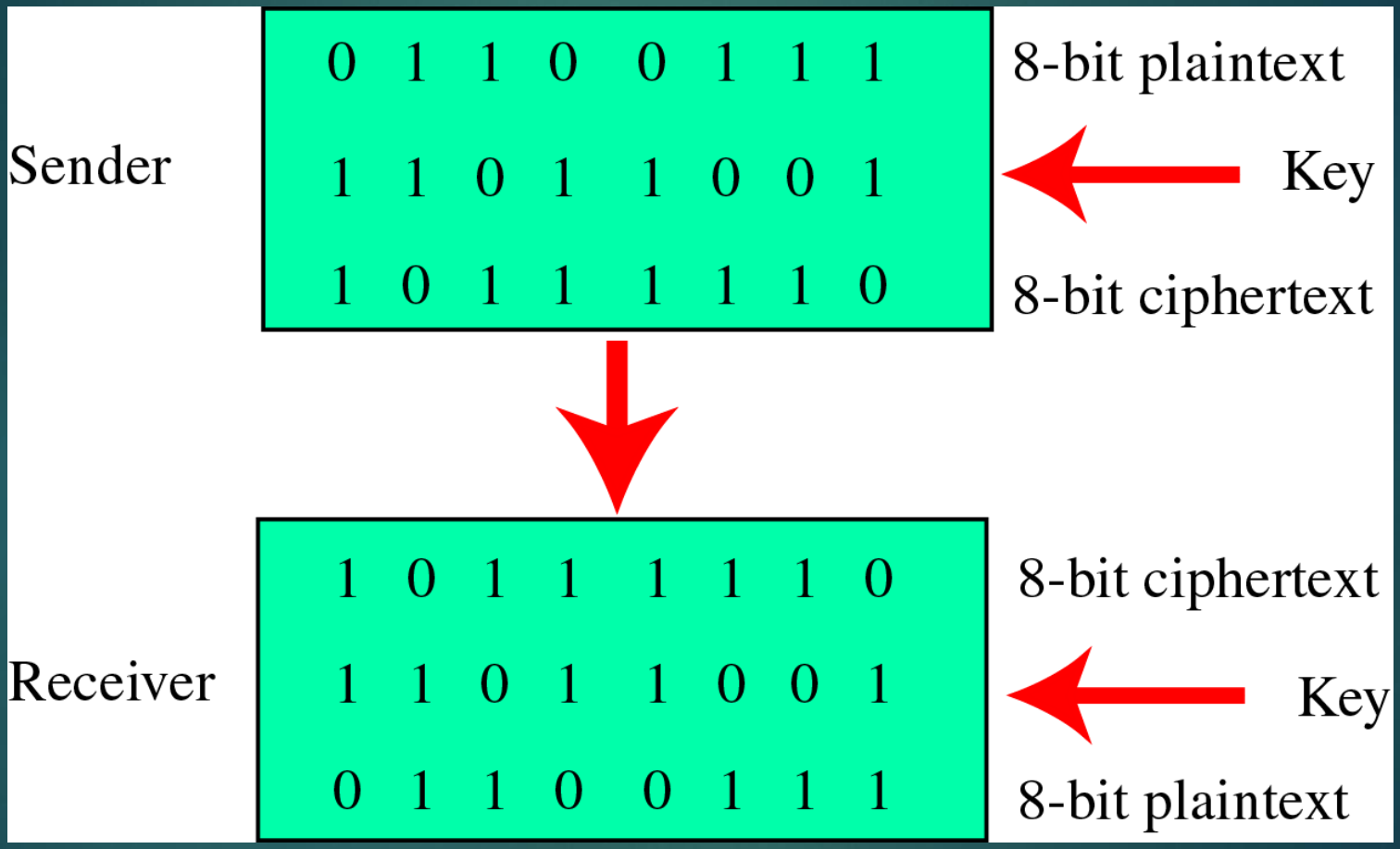
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Product



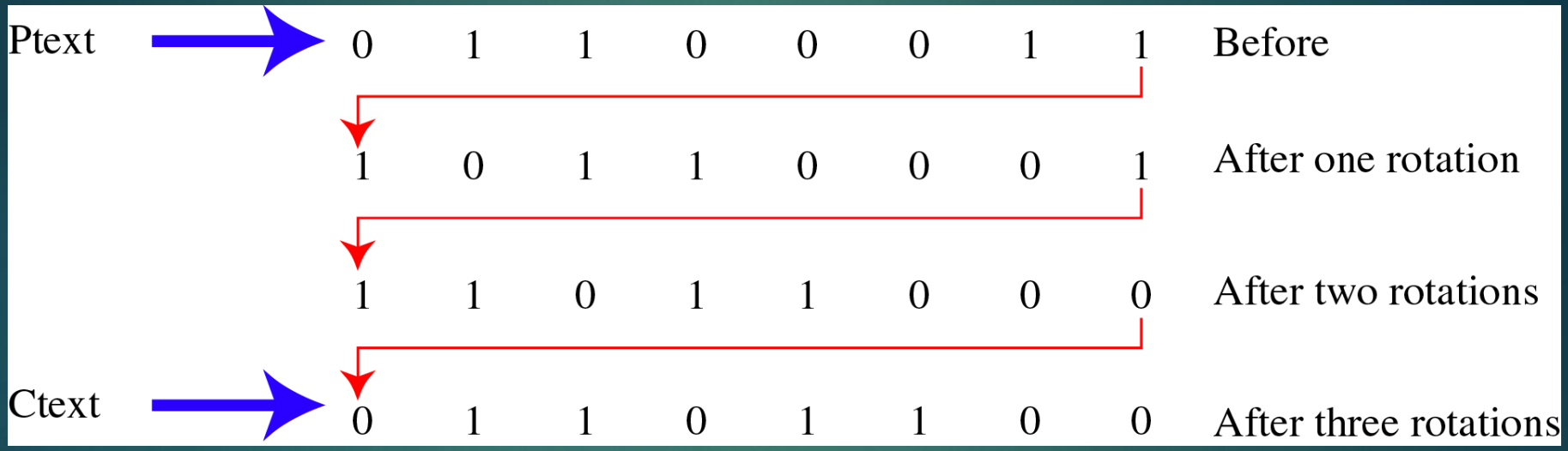
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Exclusive OR



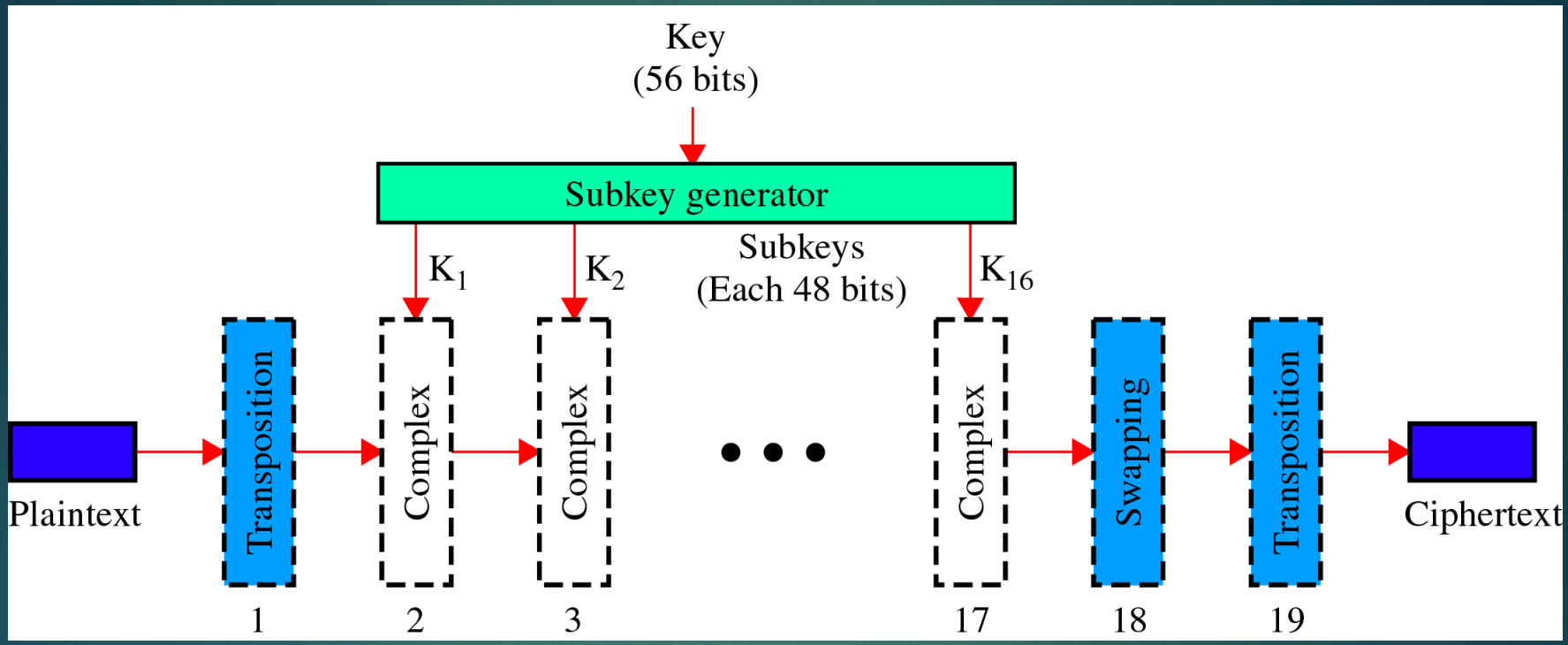
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Rotation



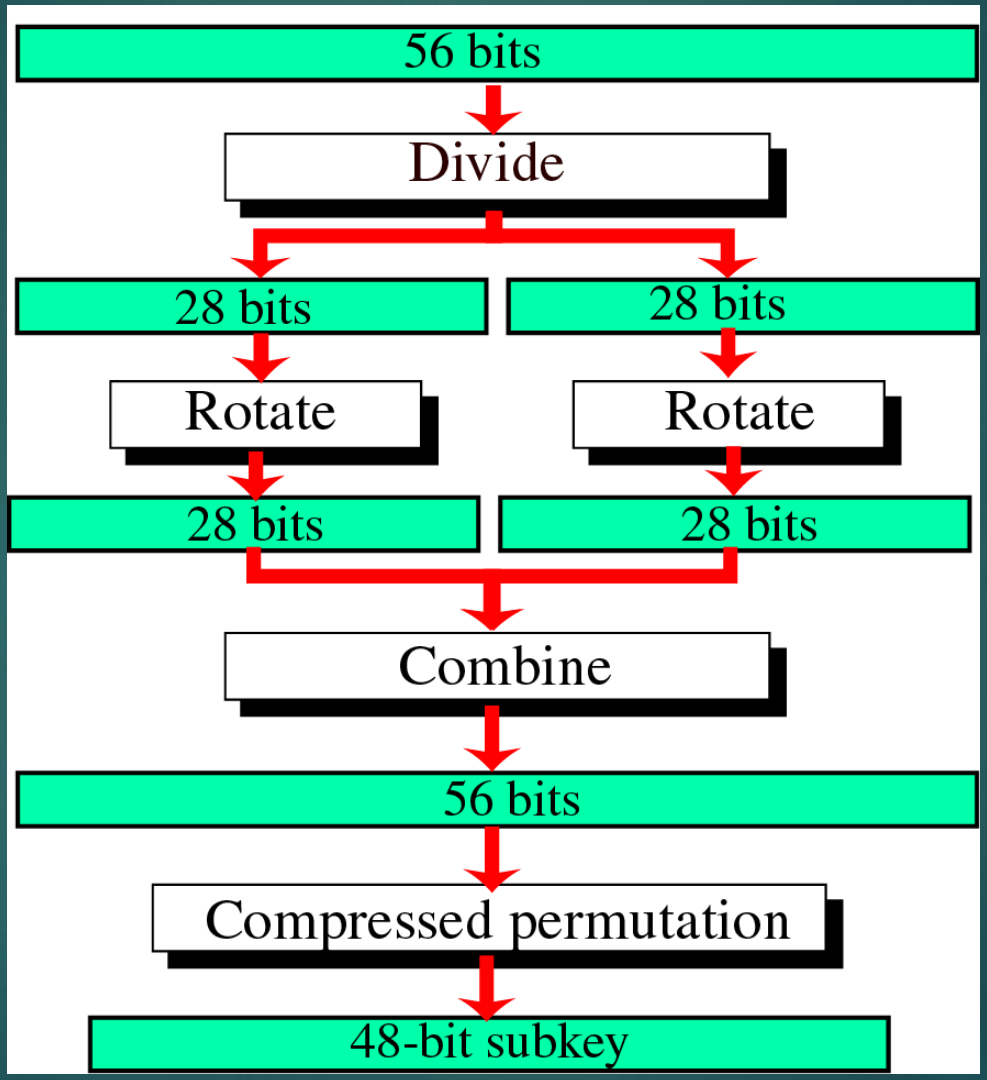
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DES



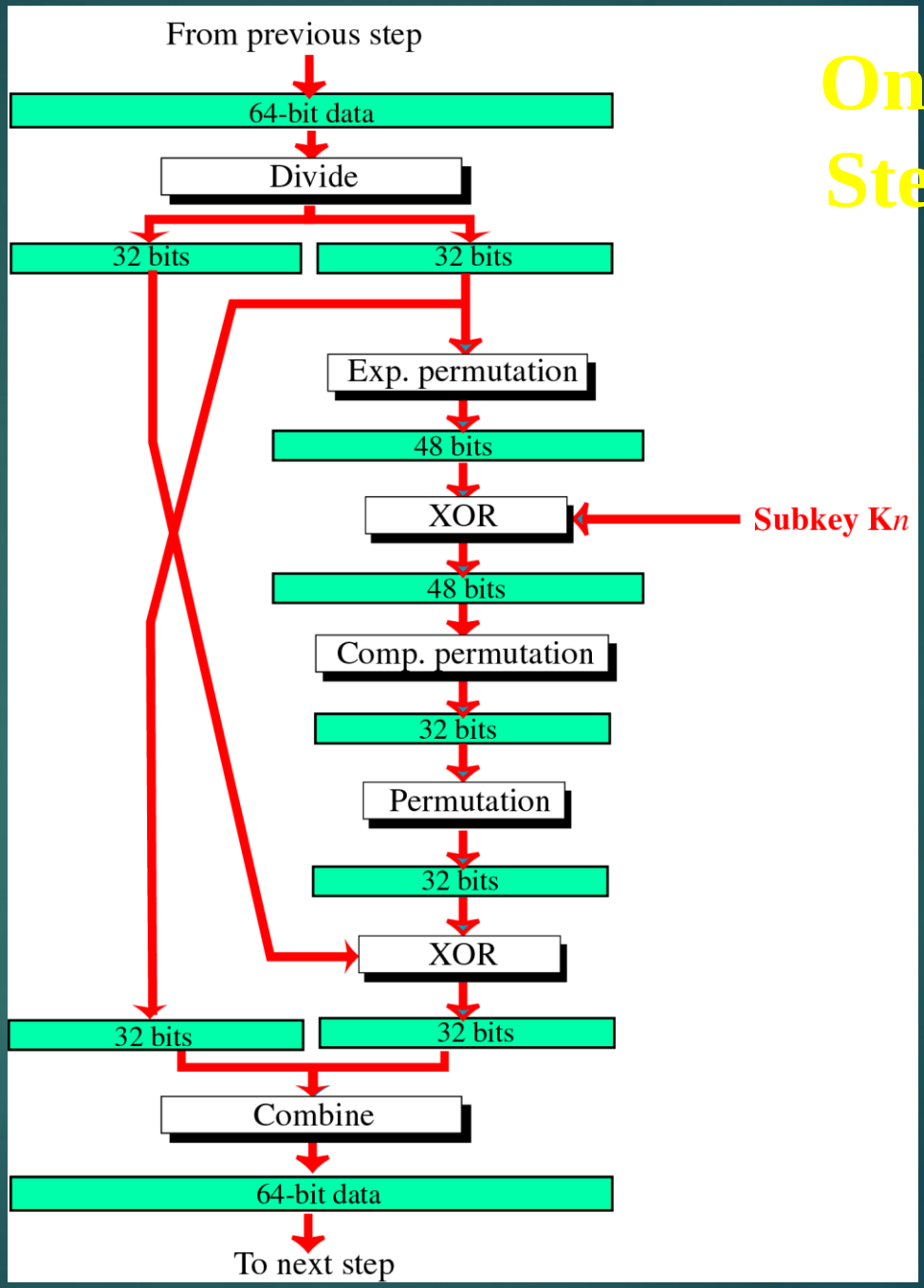
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Subkey Generation in DES



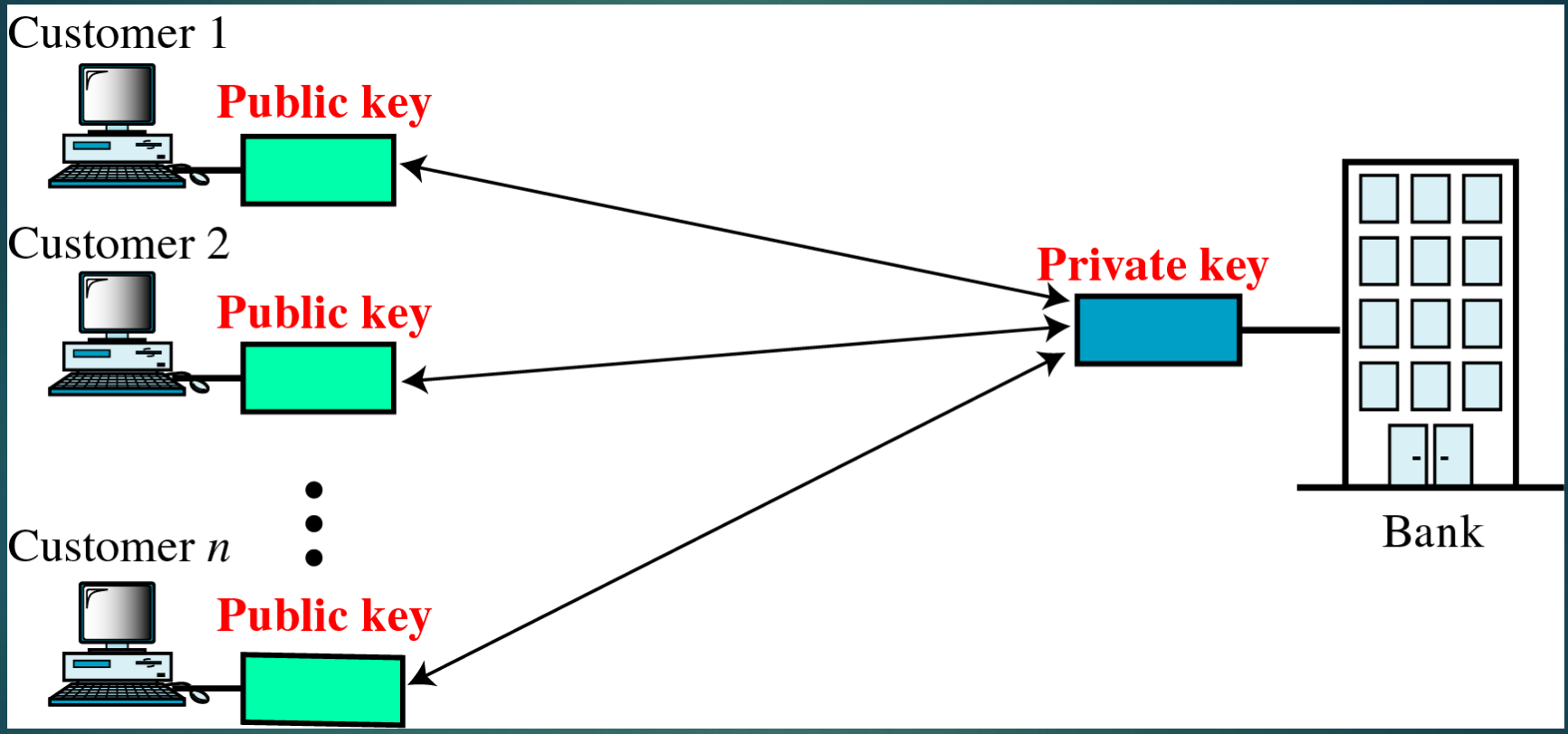
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One of the 16 Steps in DES



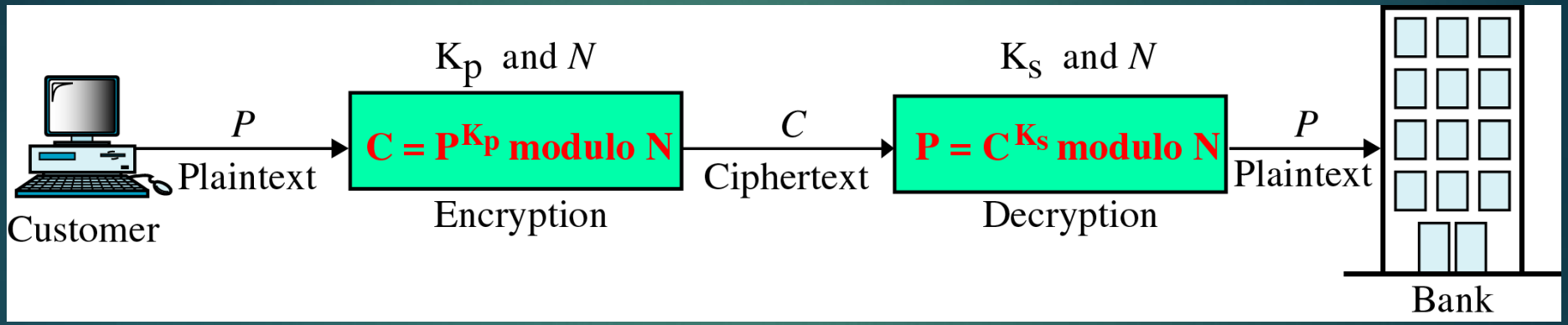
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Public Key Encryption



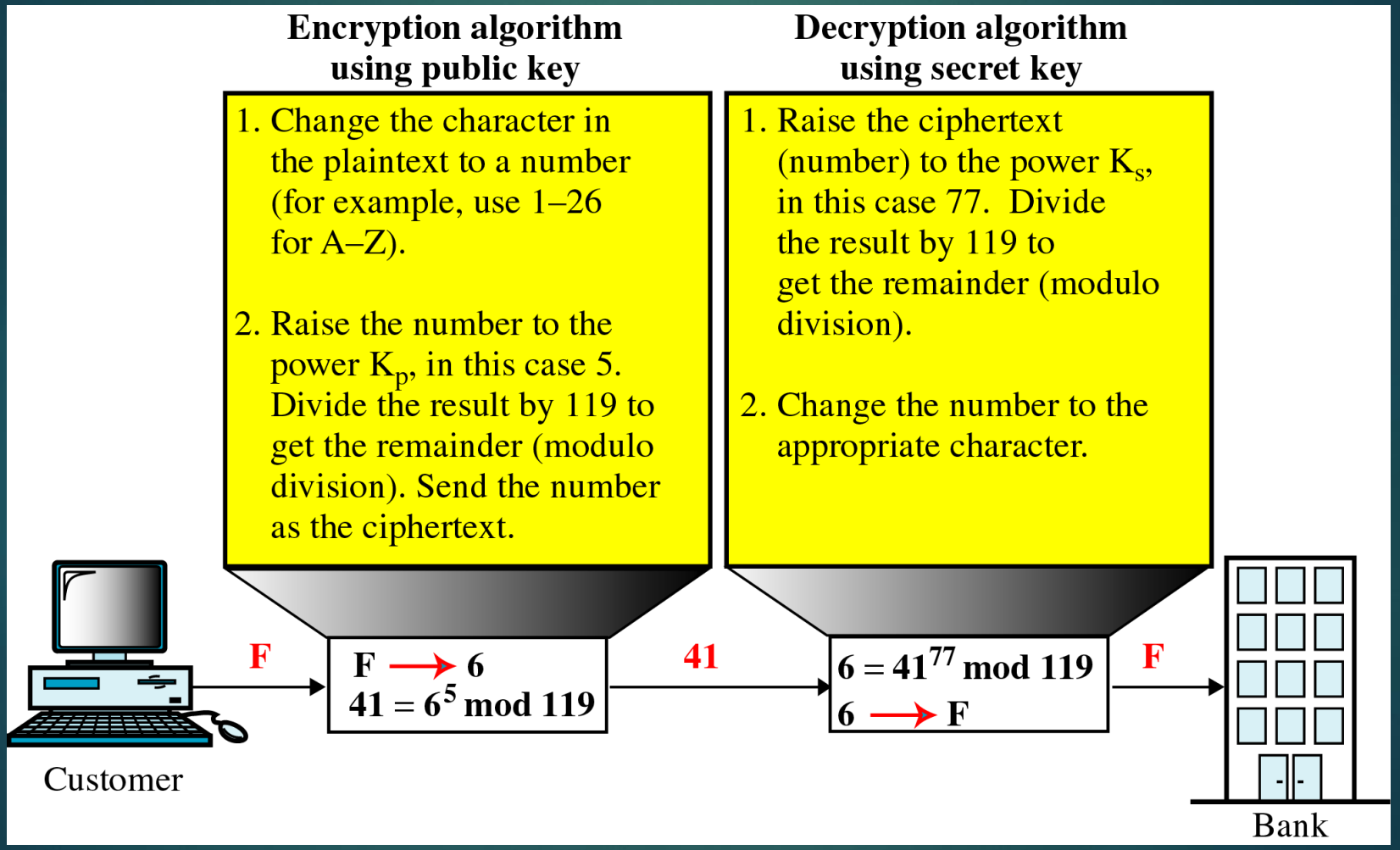
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RSA



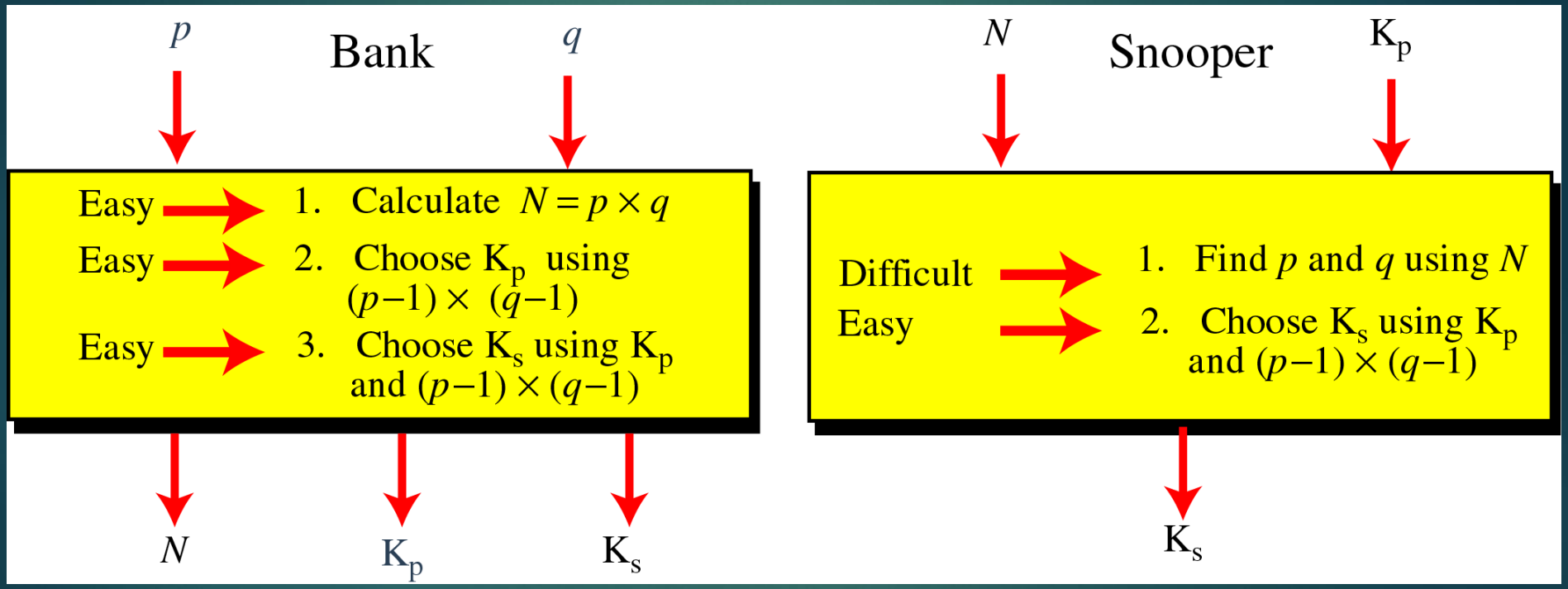
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RSA Encryption and Decryption



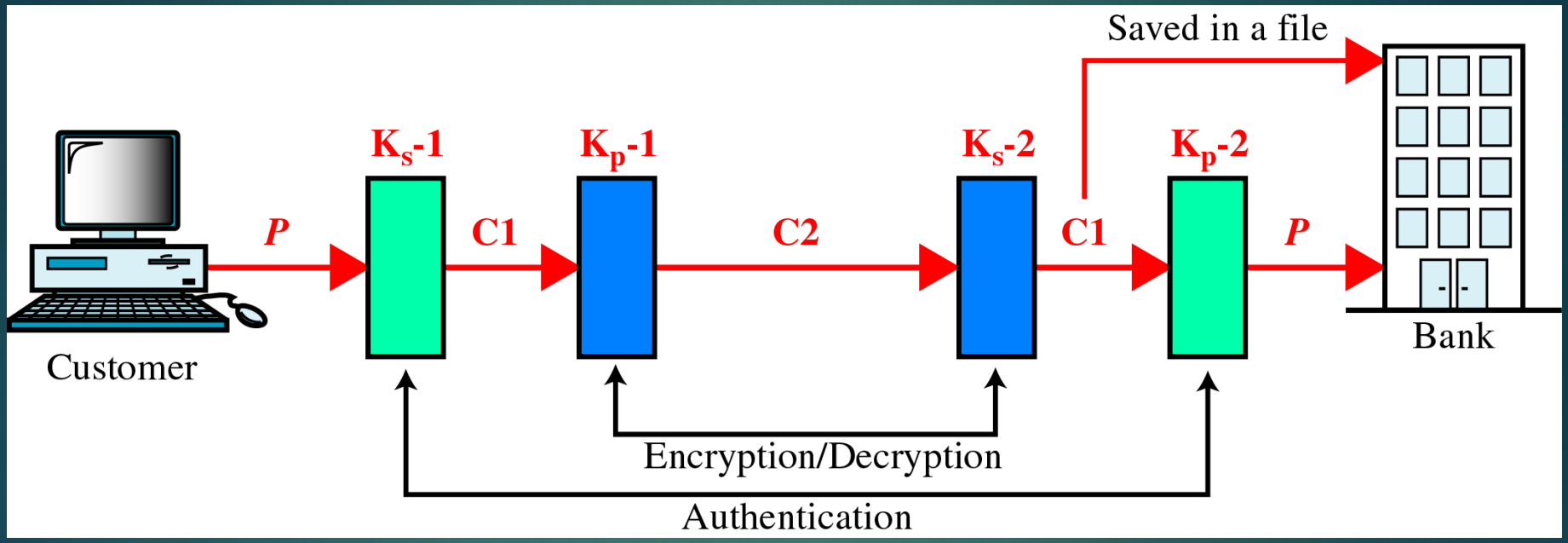
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Security of RSA



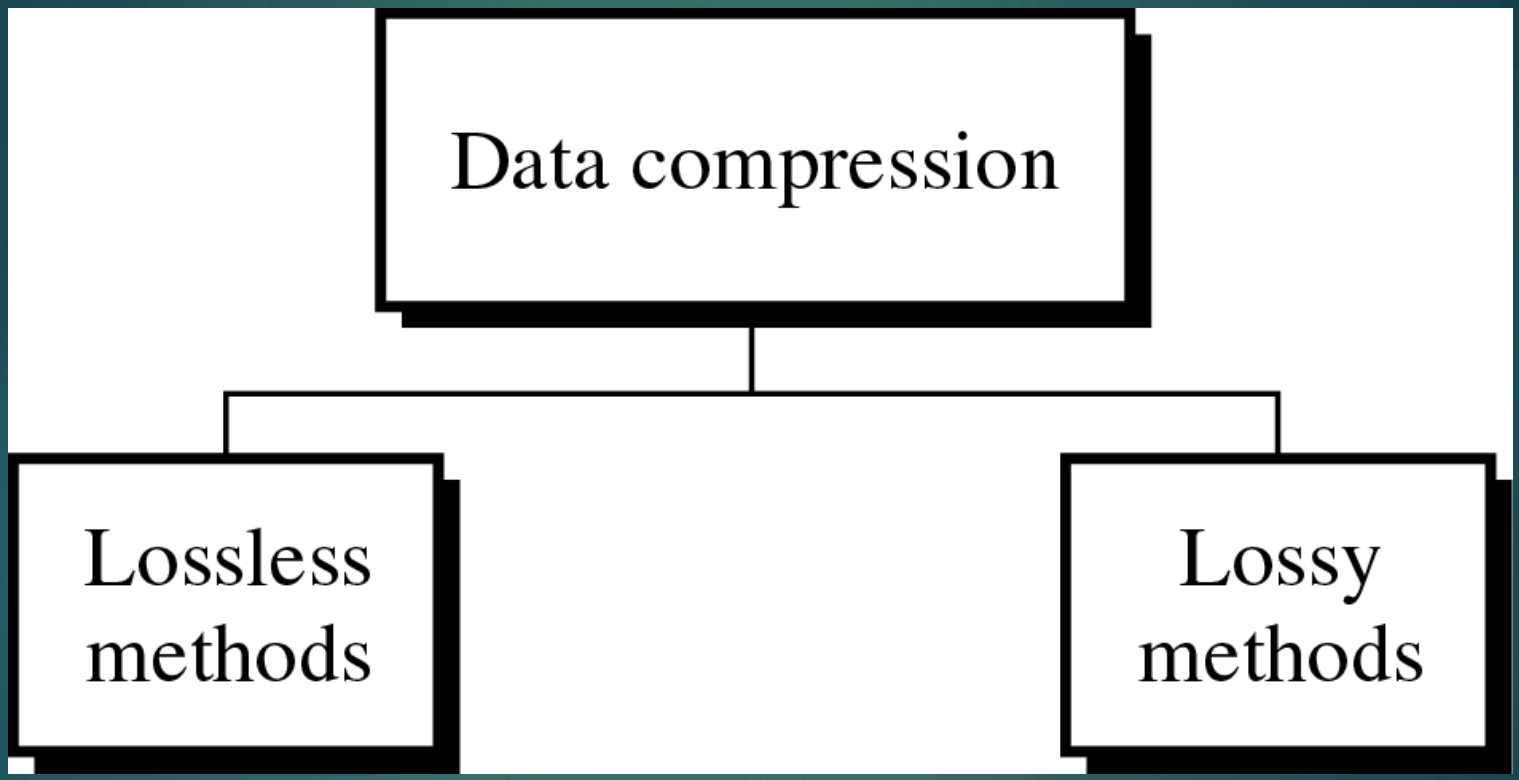
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Signature Authentication



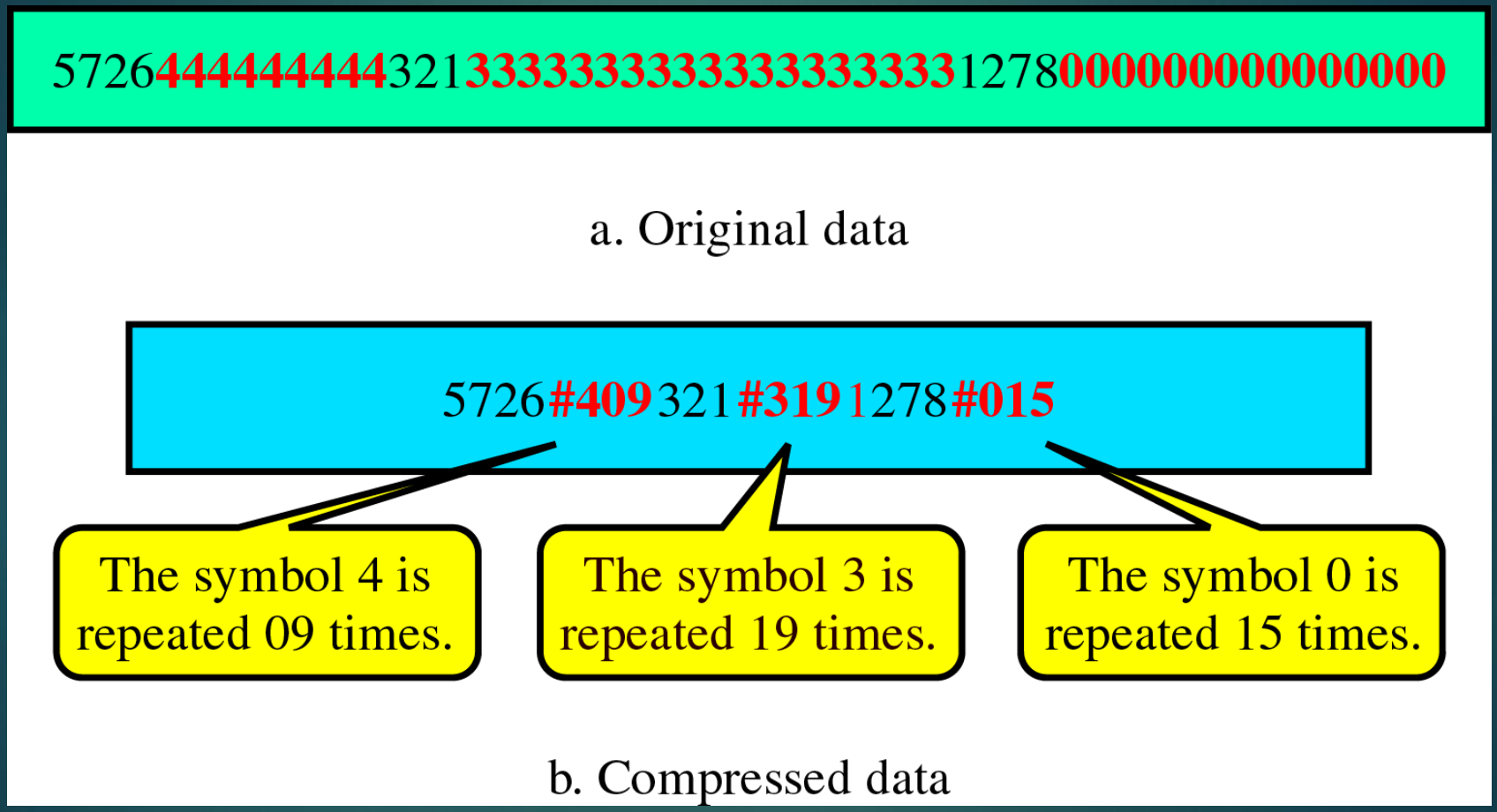
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Data Compression Methods



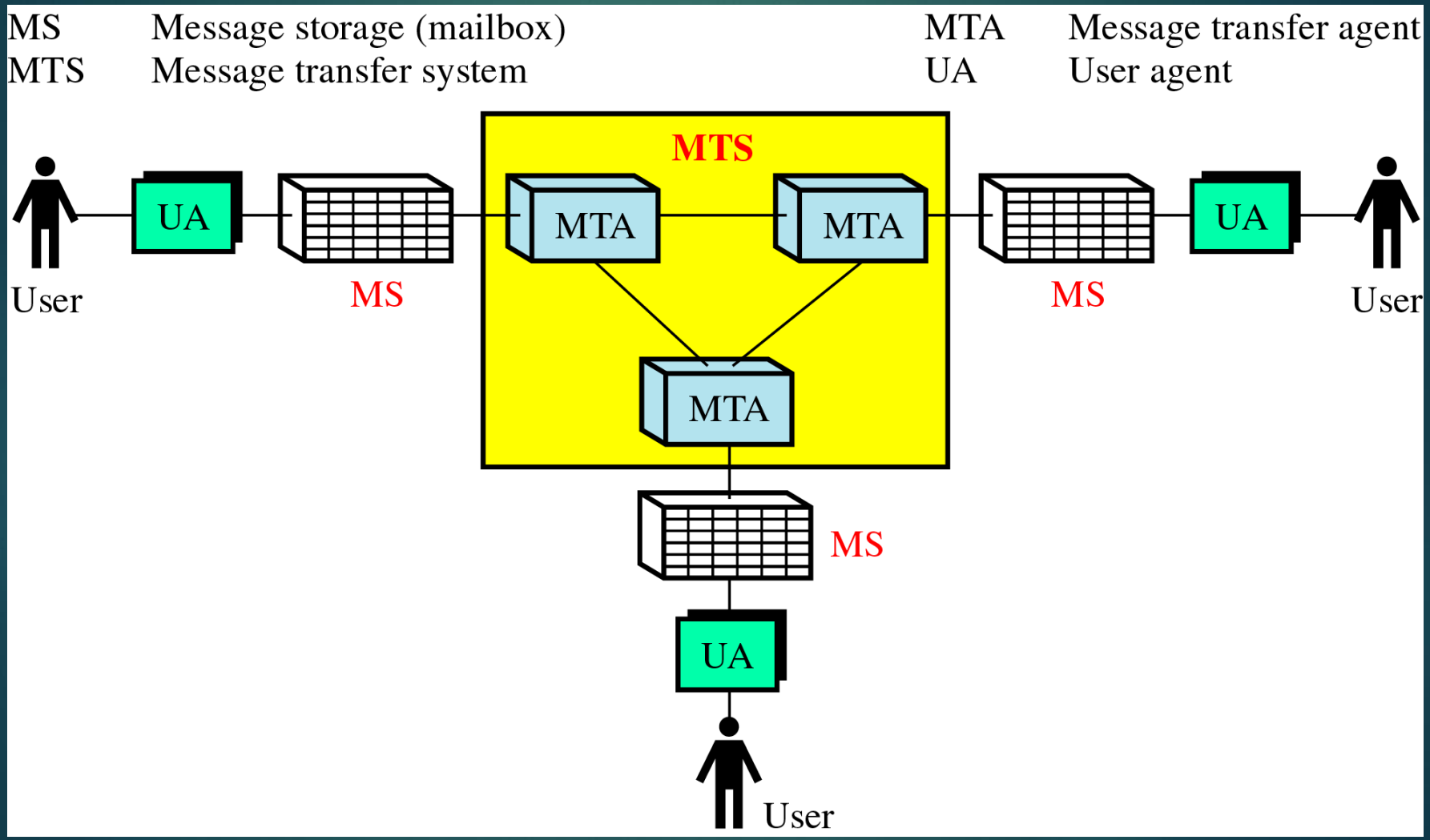
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Run-Length Encoding



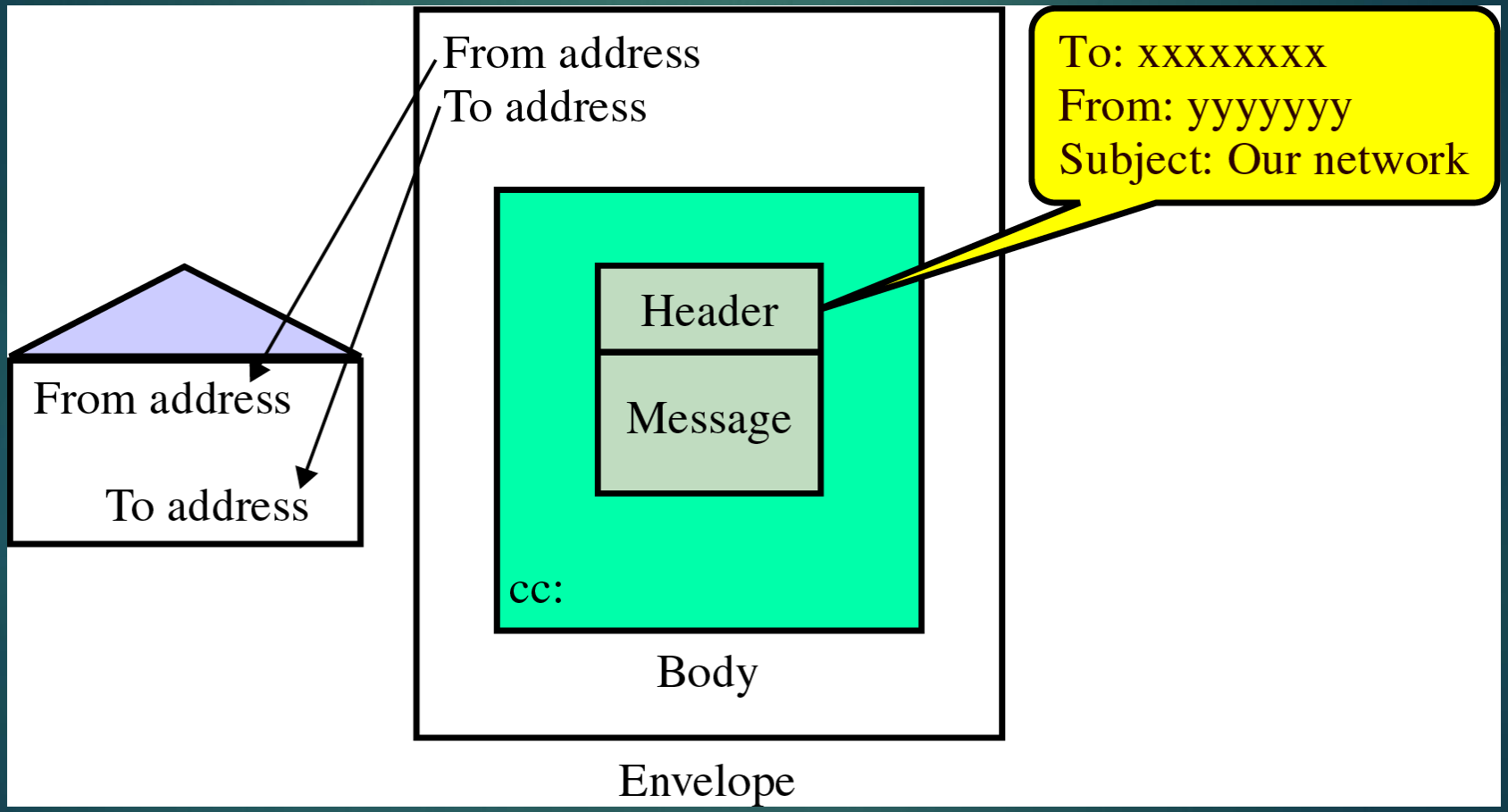
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MHS



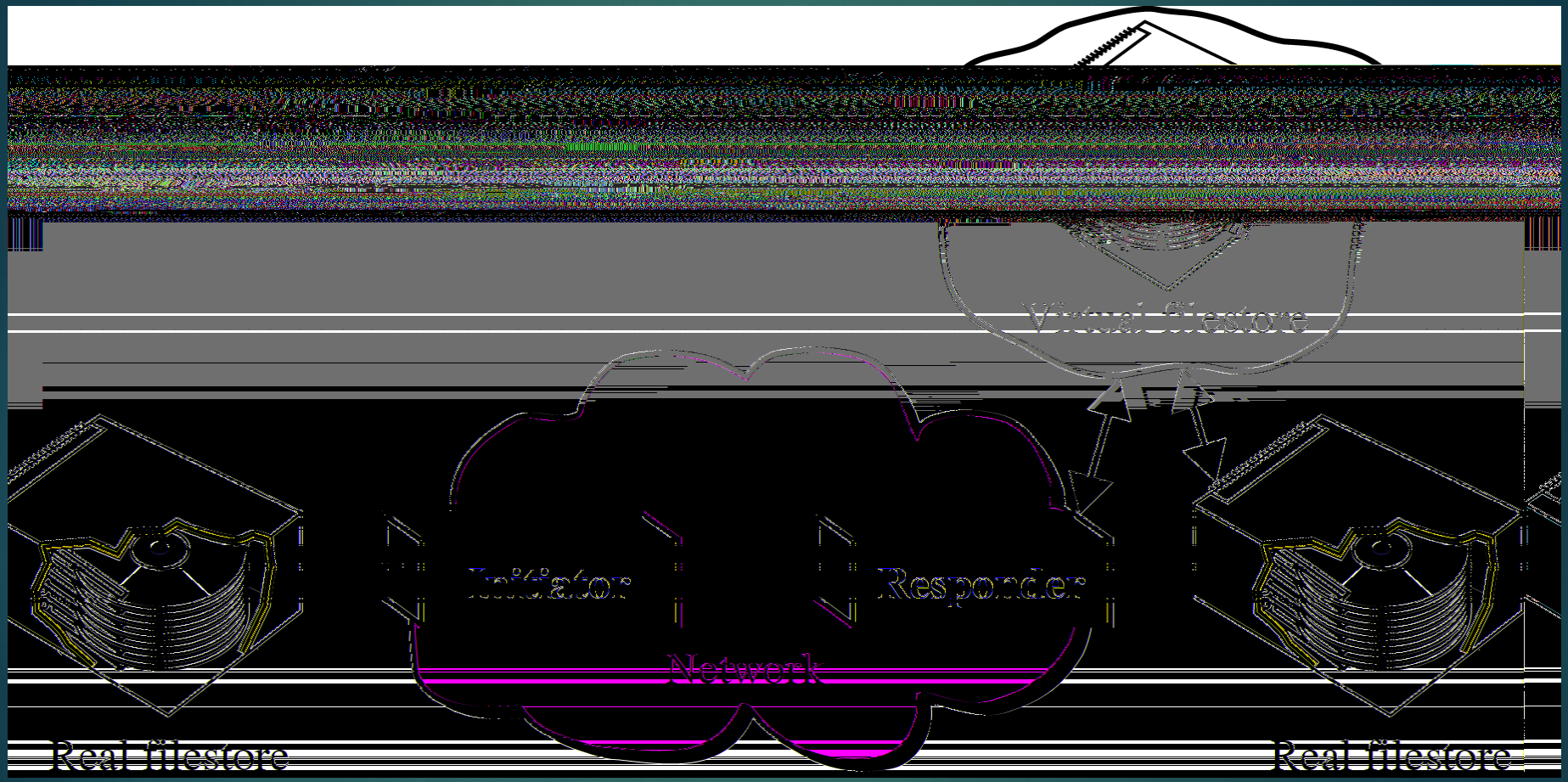
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Message Format in MHS



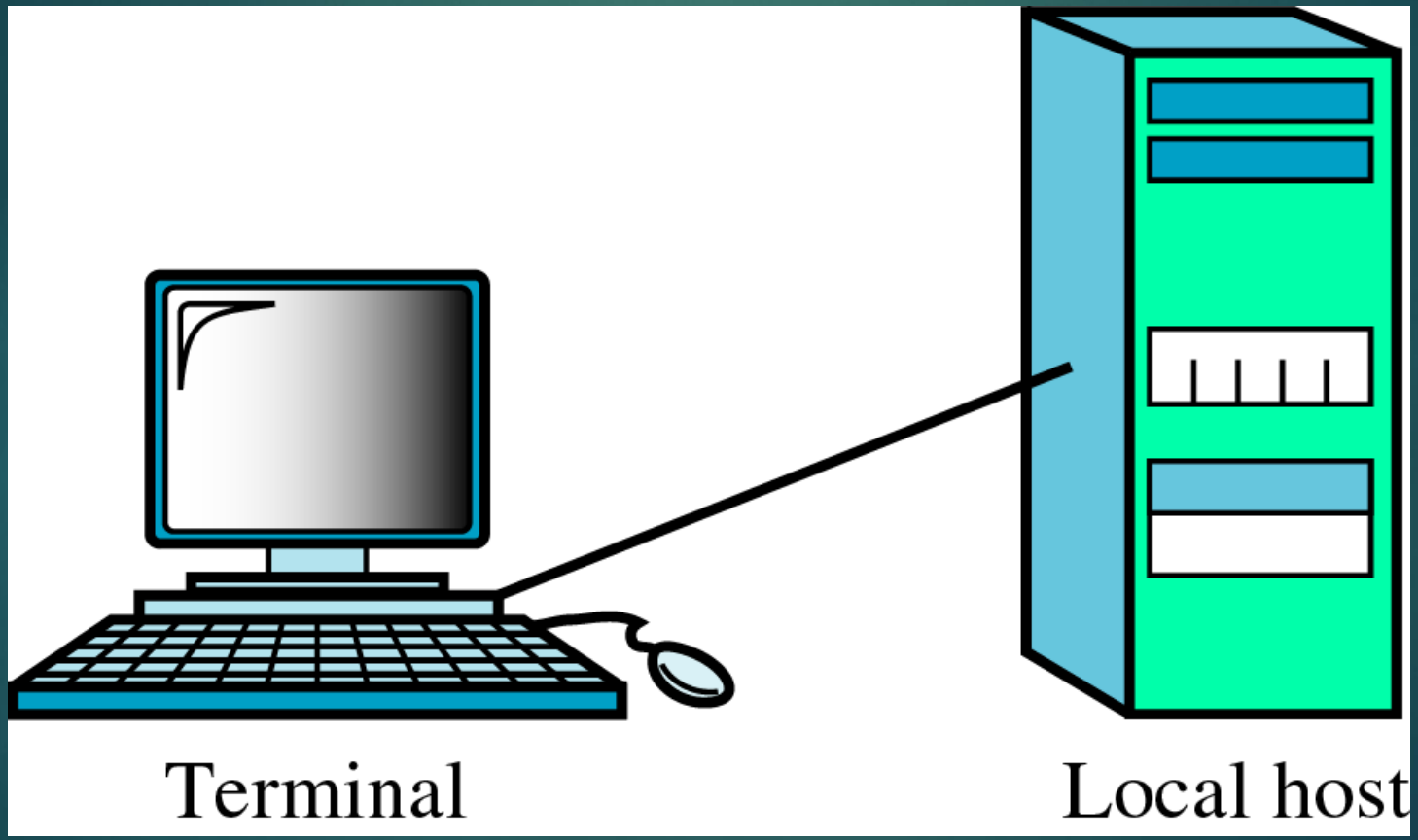
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Virtual File Storage



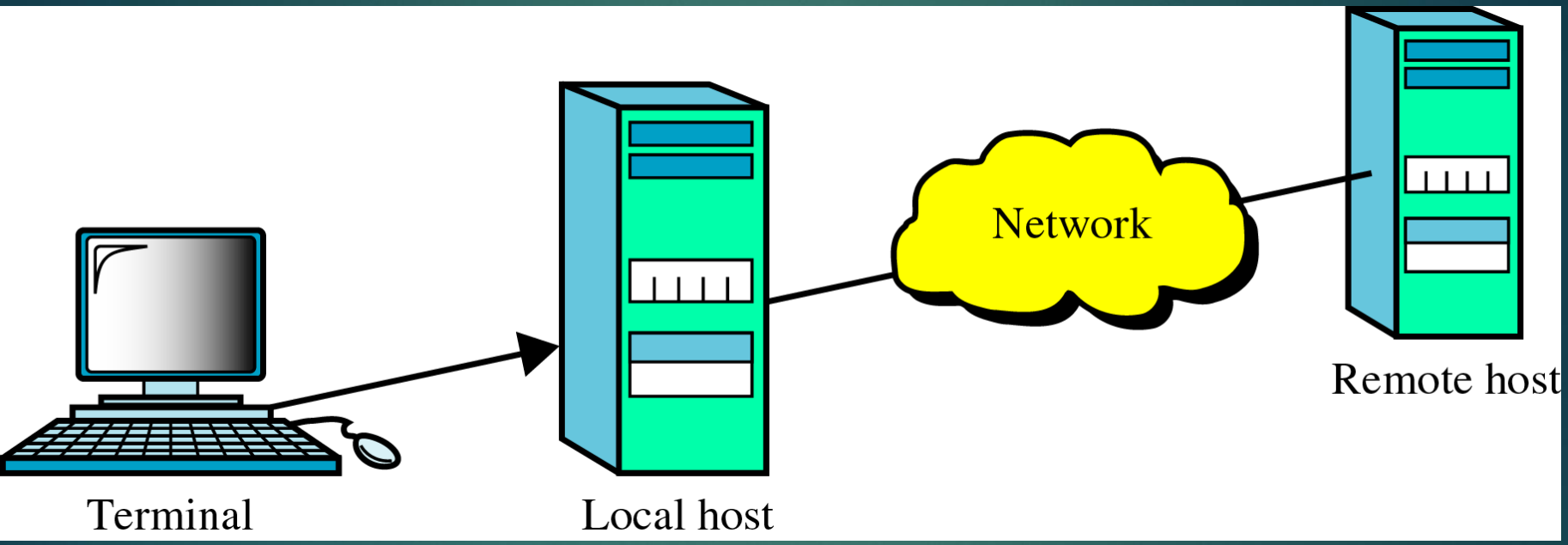
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Local Access



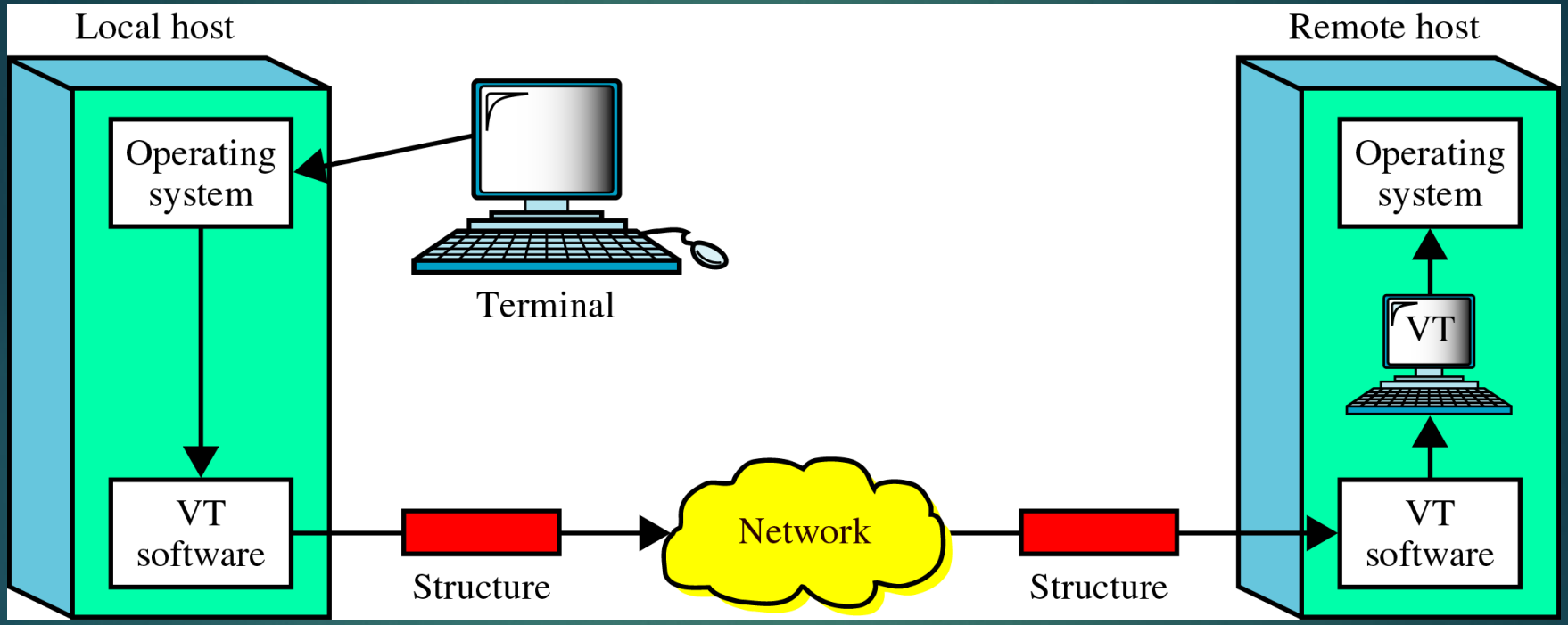
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Remote Access



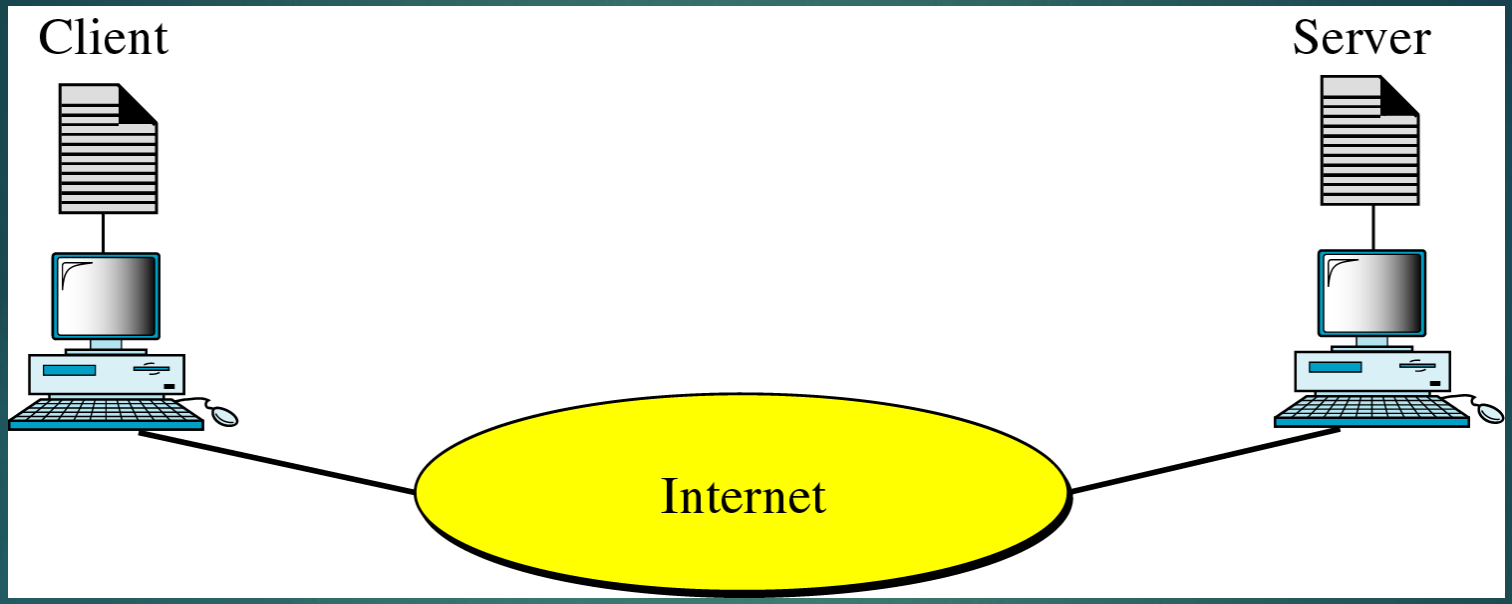
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Virtual Terminal



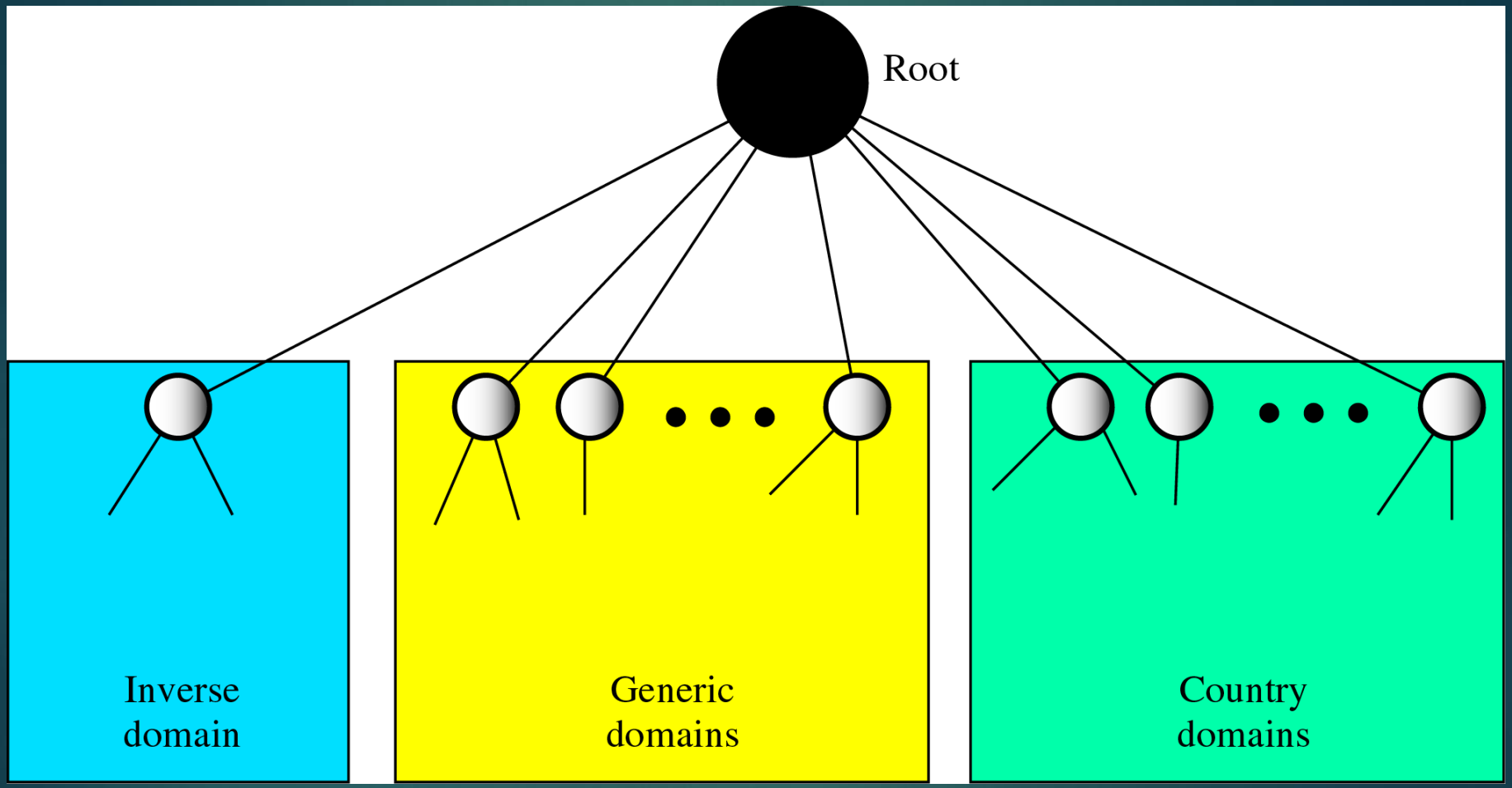
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Client-Server Model



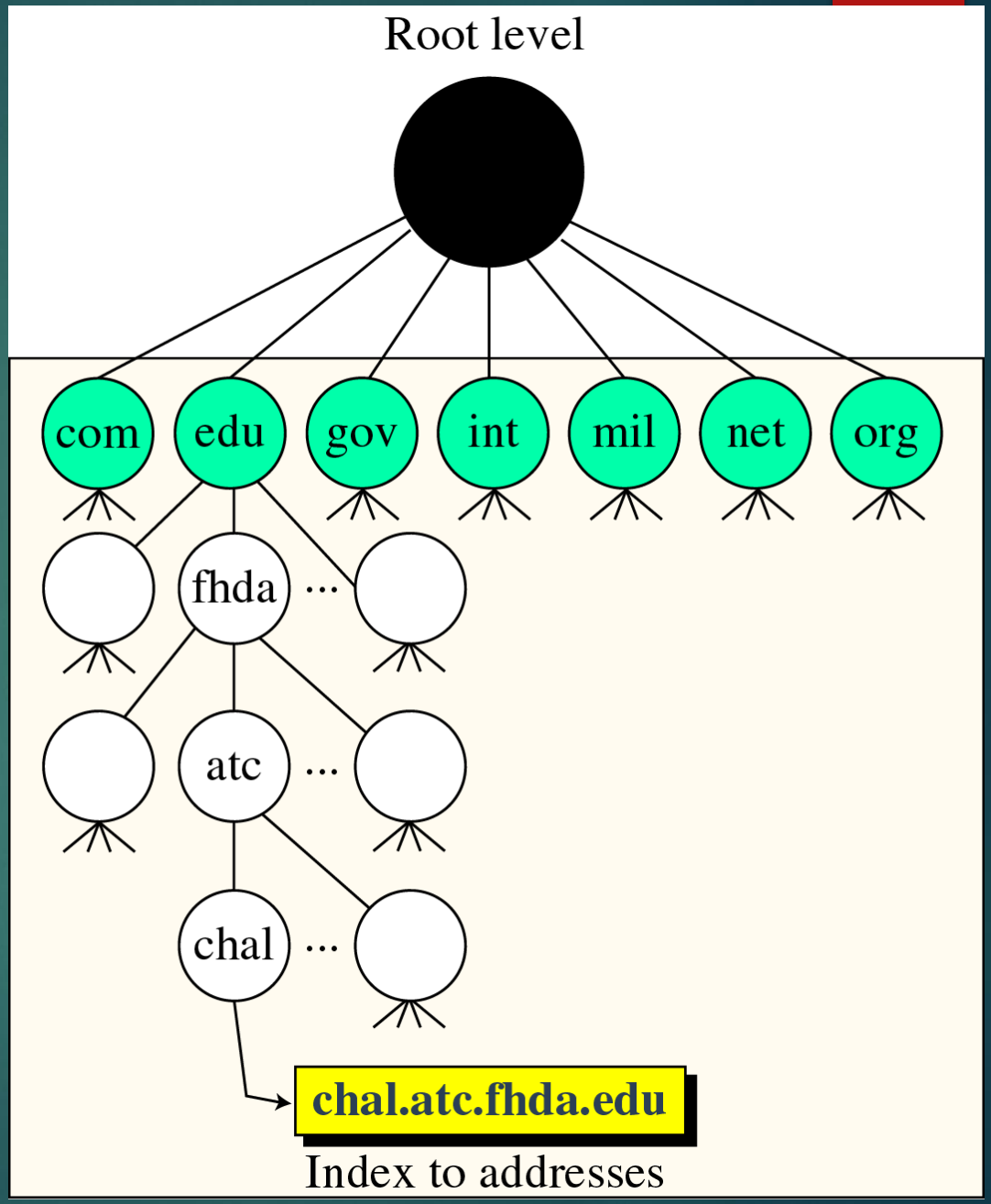
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DNS in the Internet



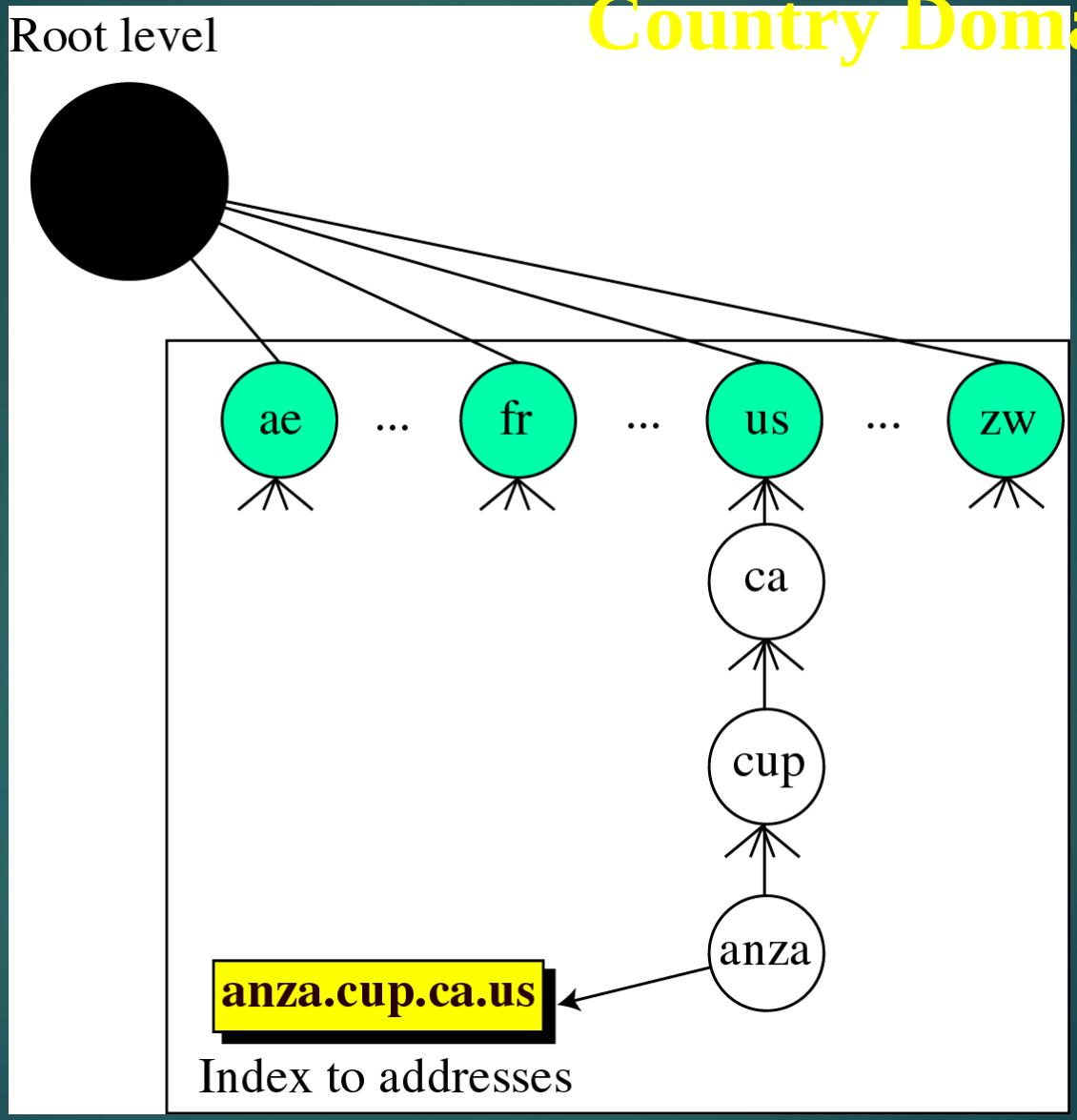
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Generic Domains



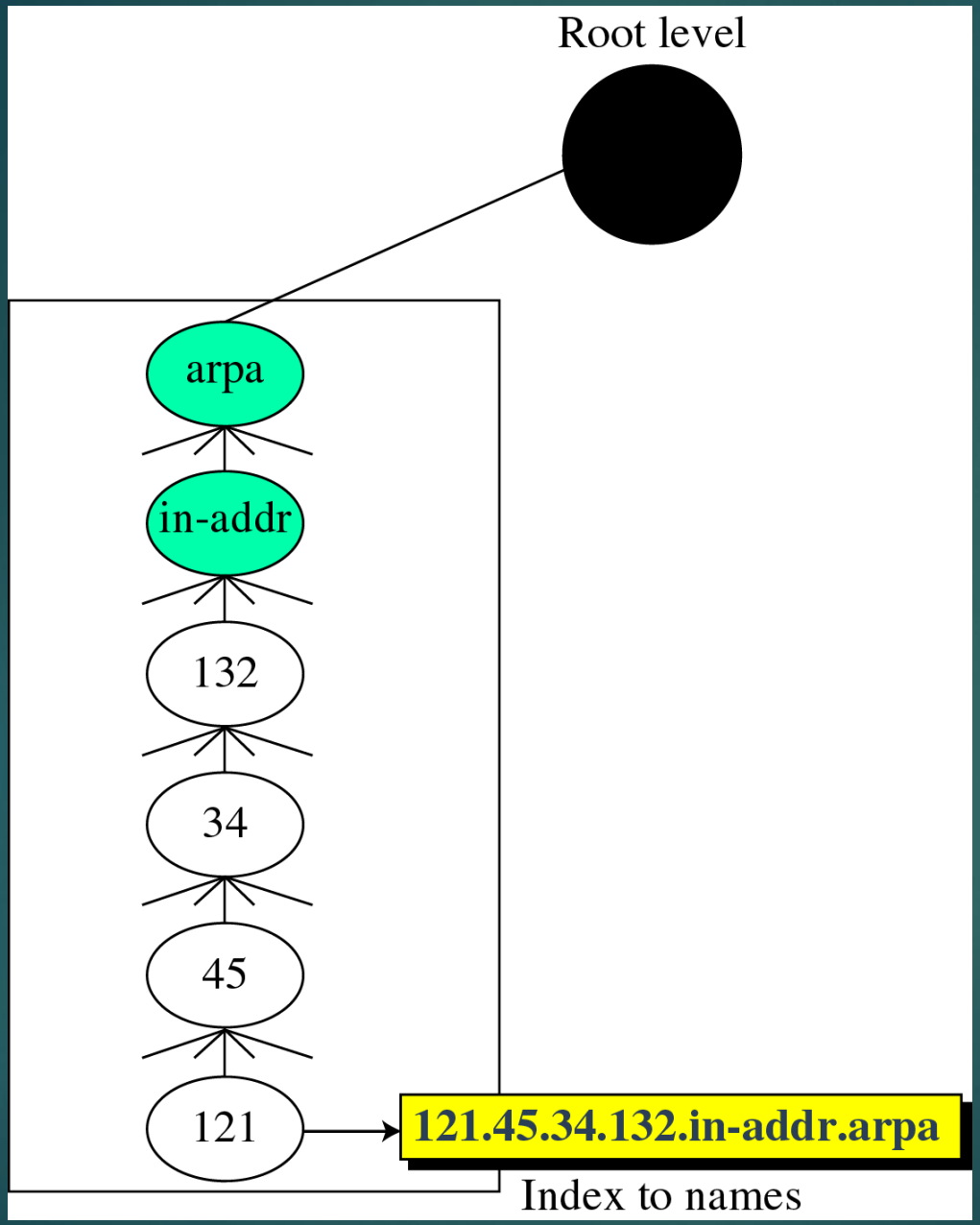
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Country Domains



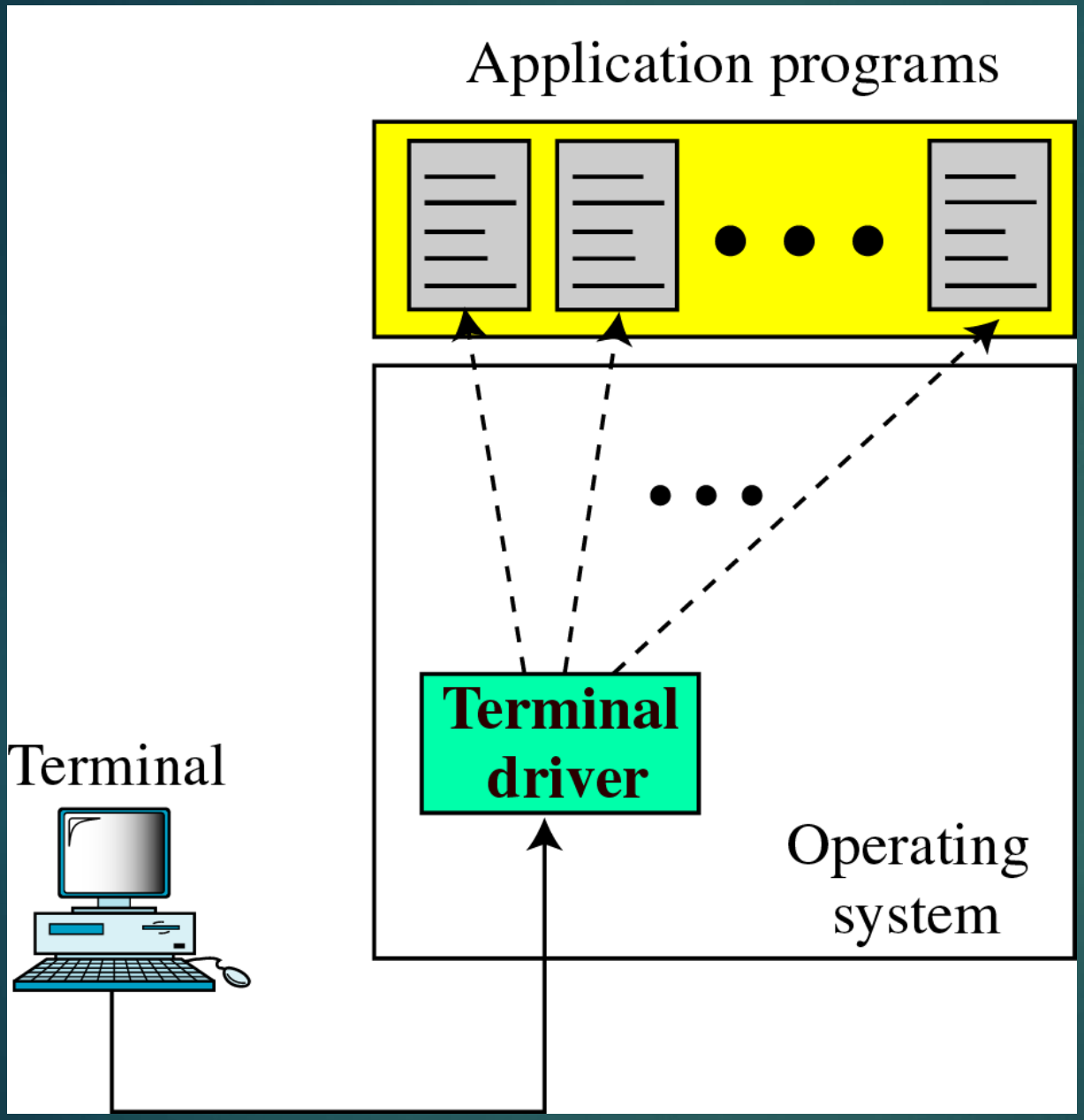
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Inverse Domain



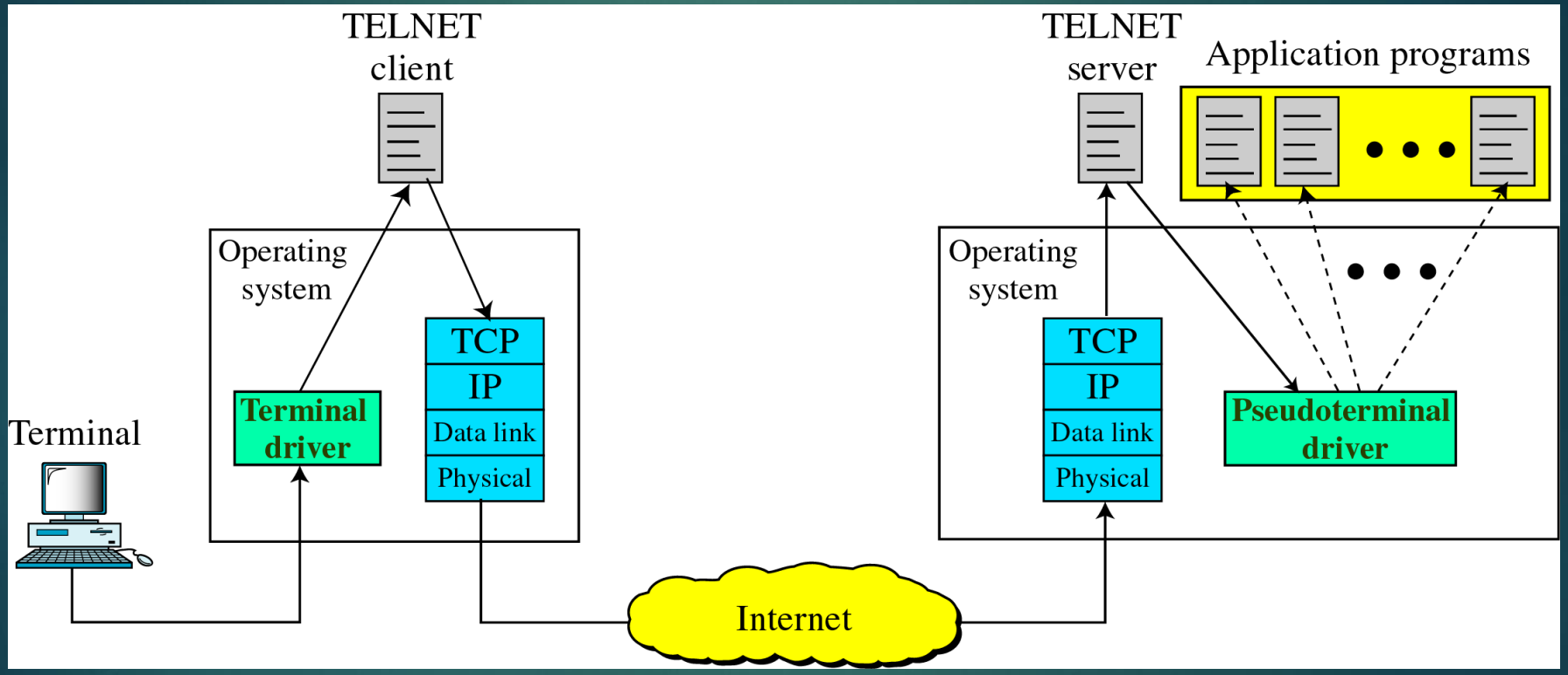
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Local Login



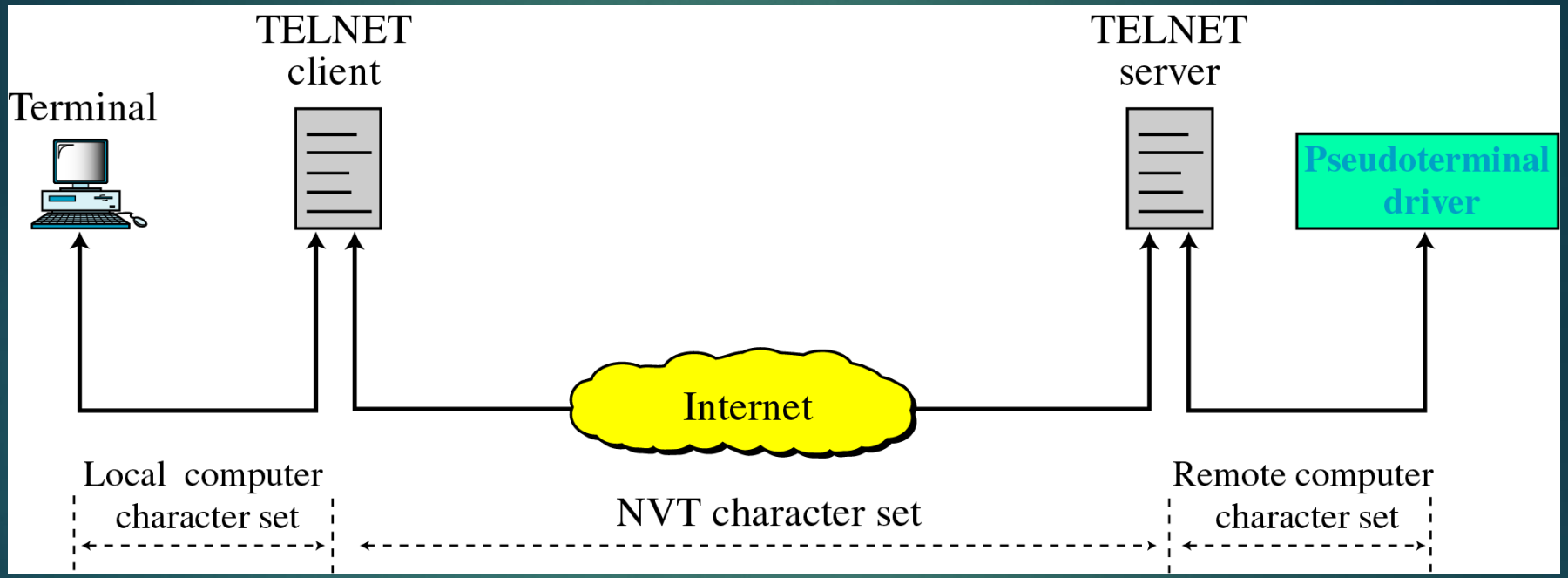
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Remote Login



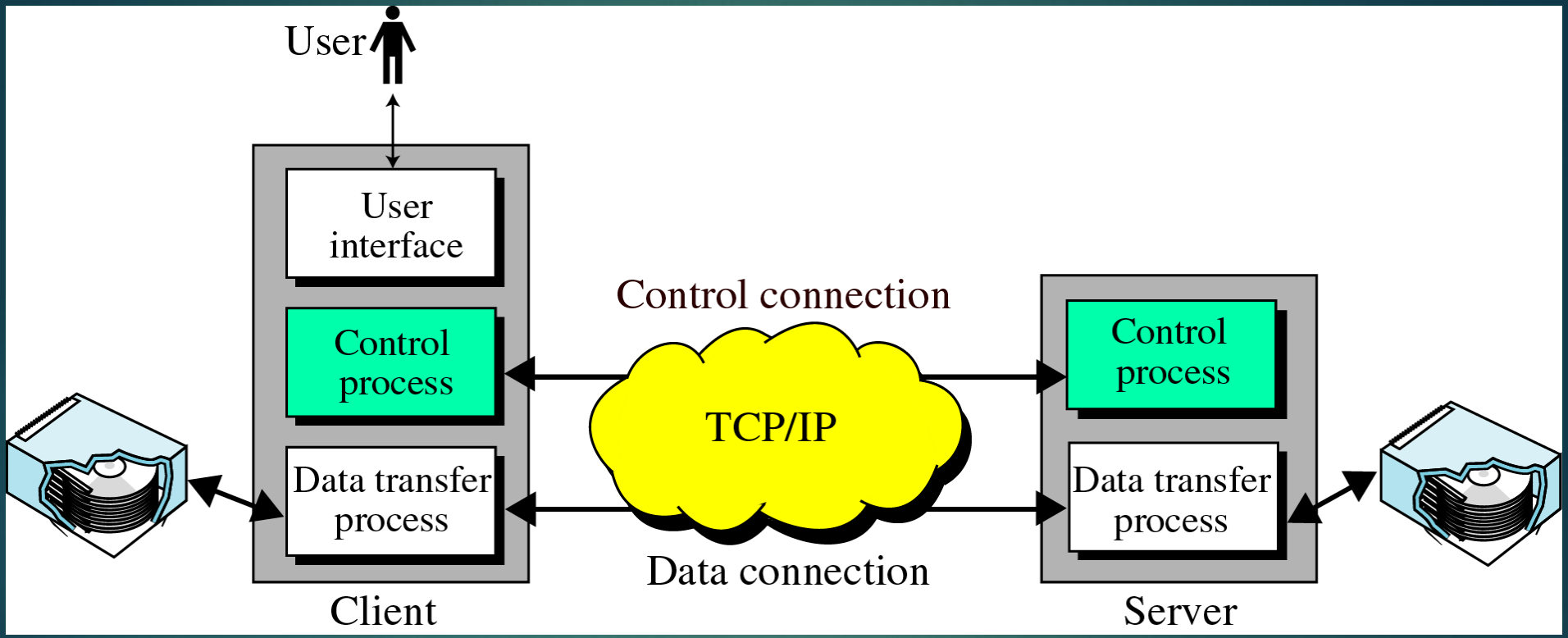
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Concept of NVT



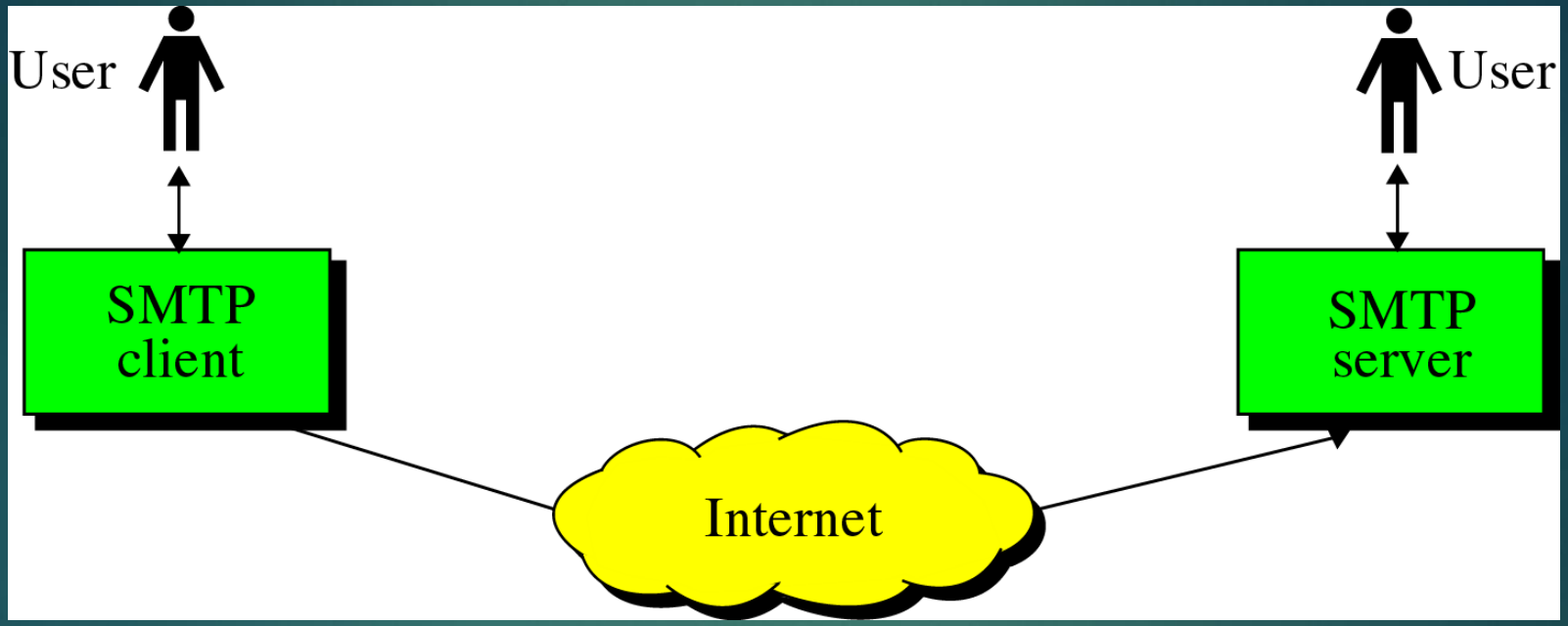
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FTP



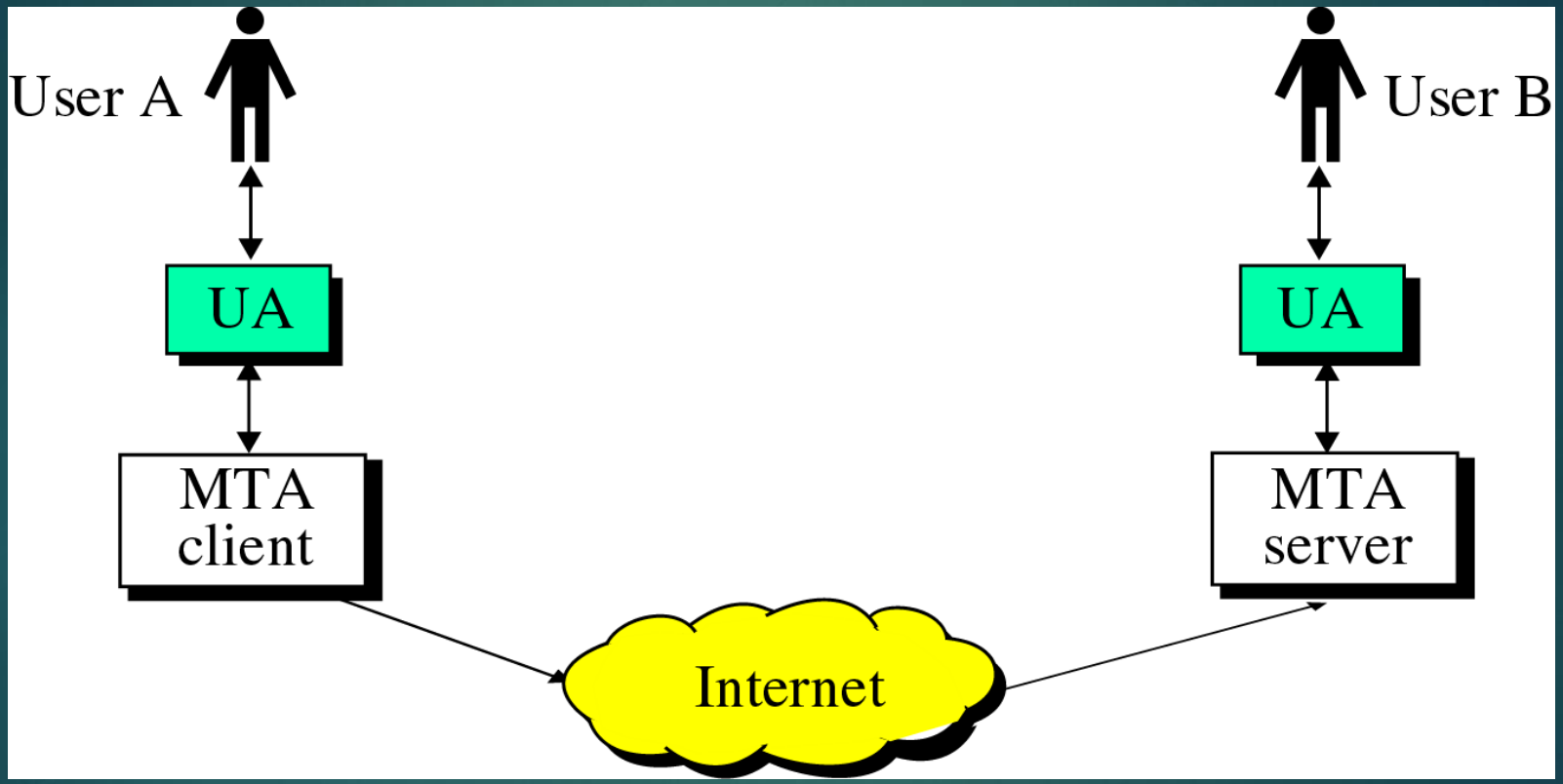
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SMTP Concept



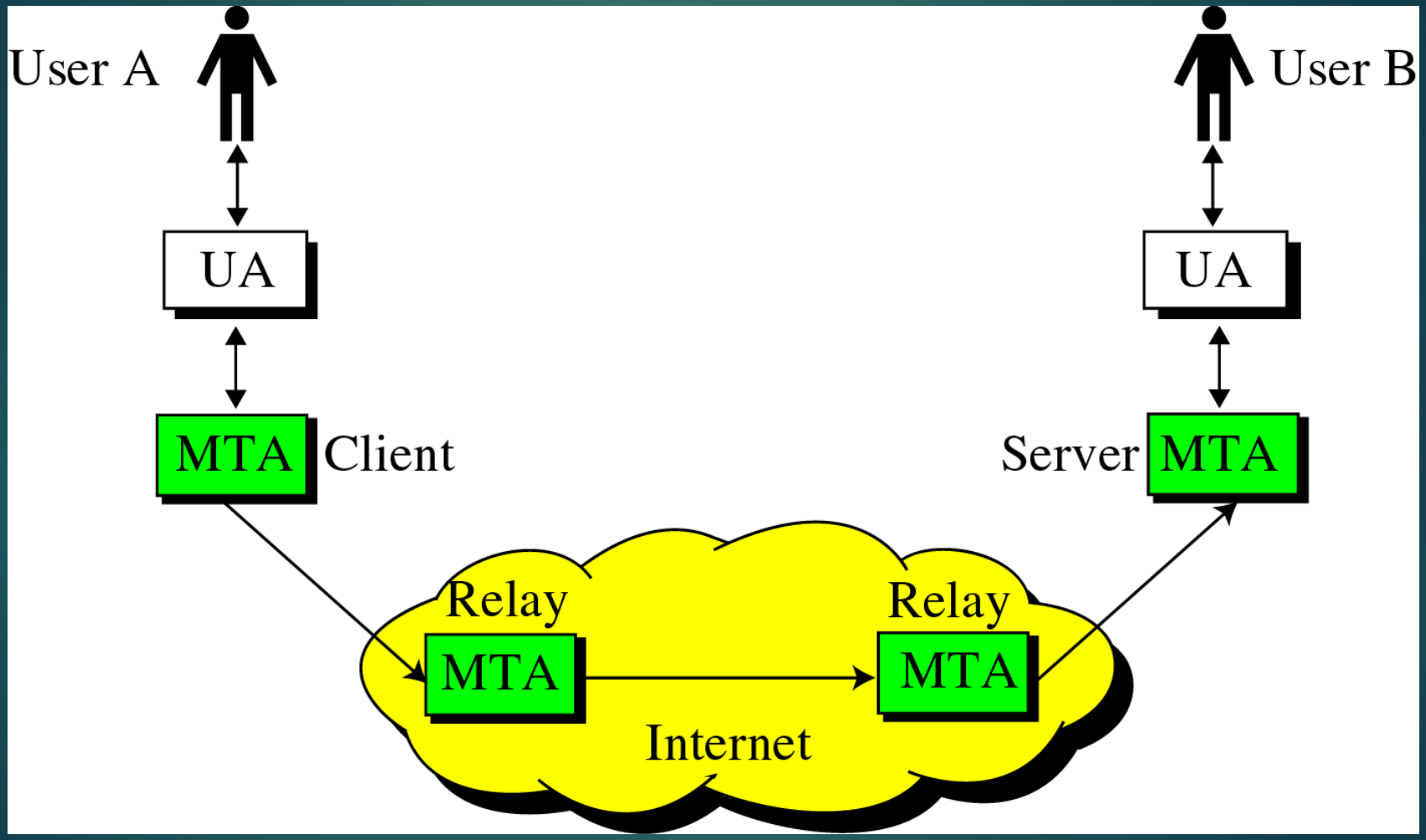
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UAs and MTs



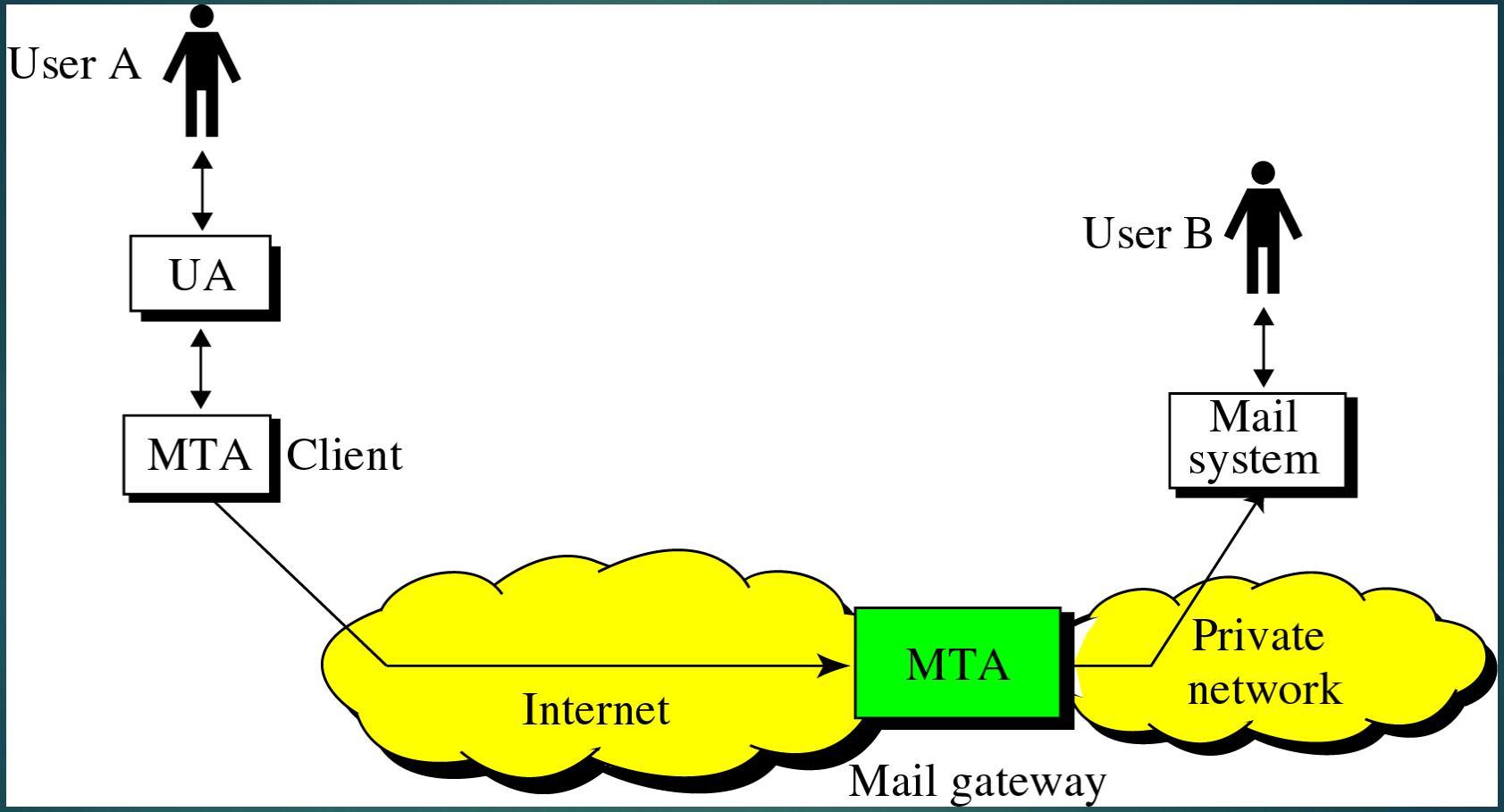
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Relay MTAs



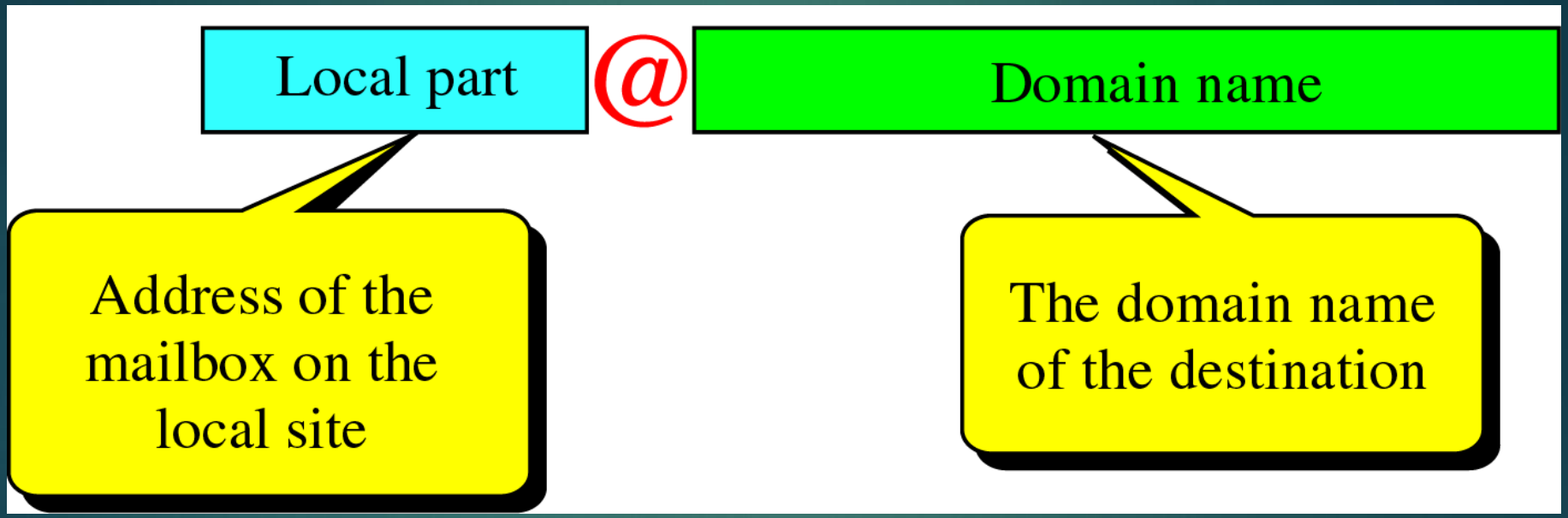
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Mail Gateways



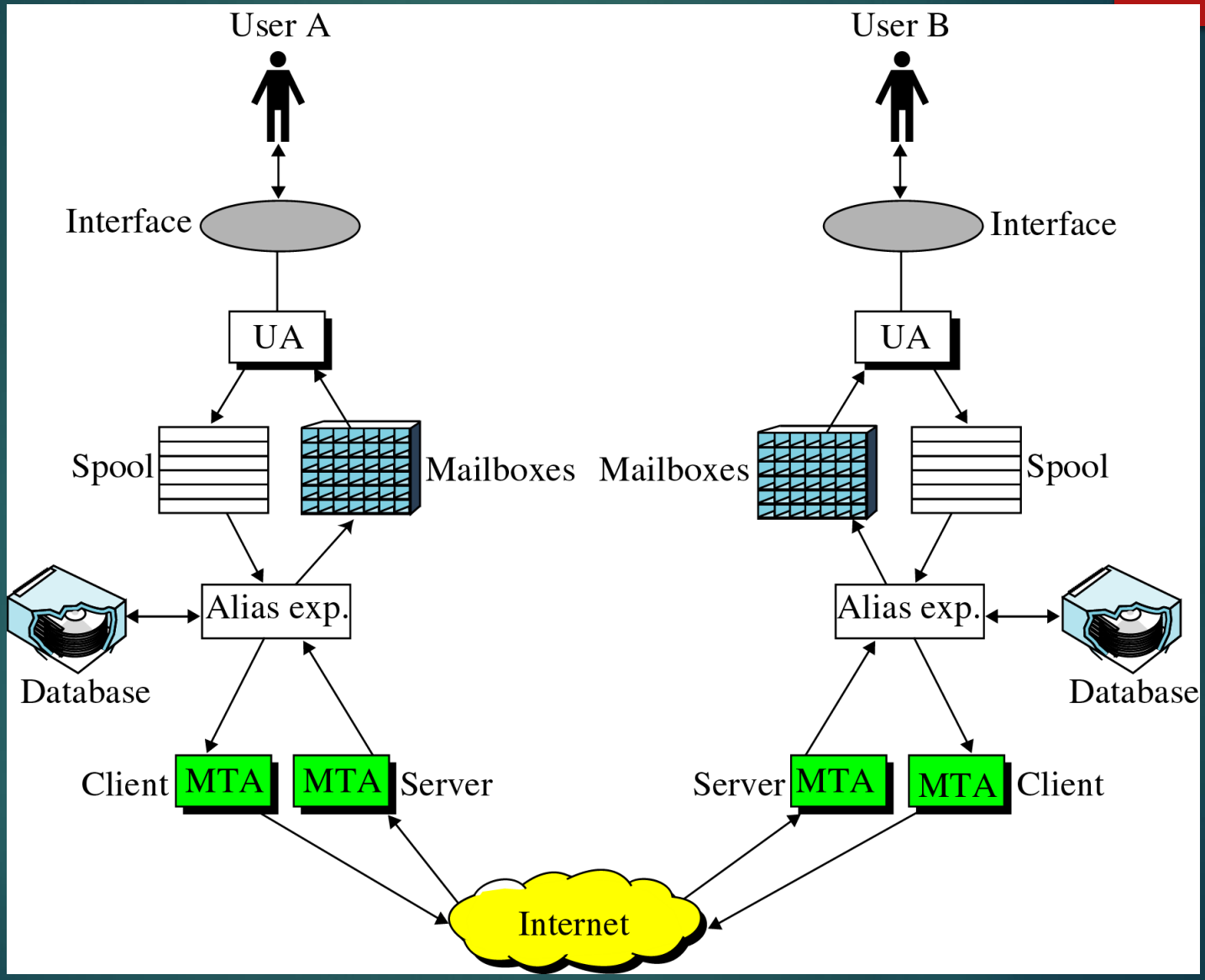
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E-mail Address



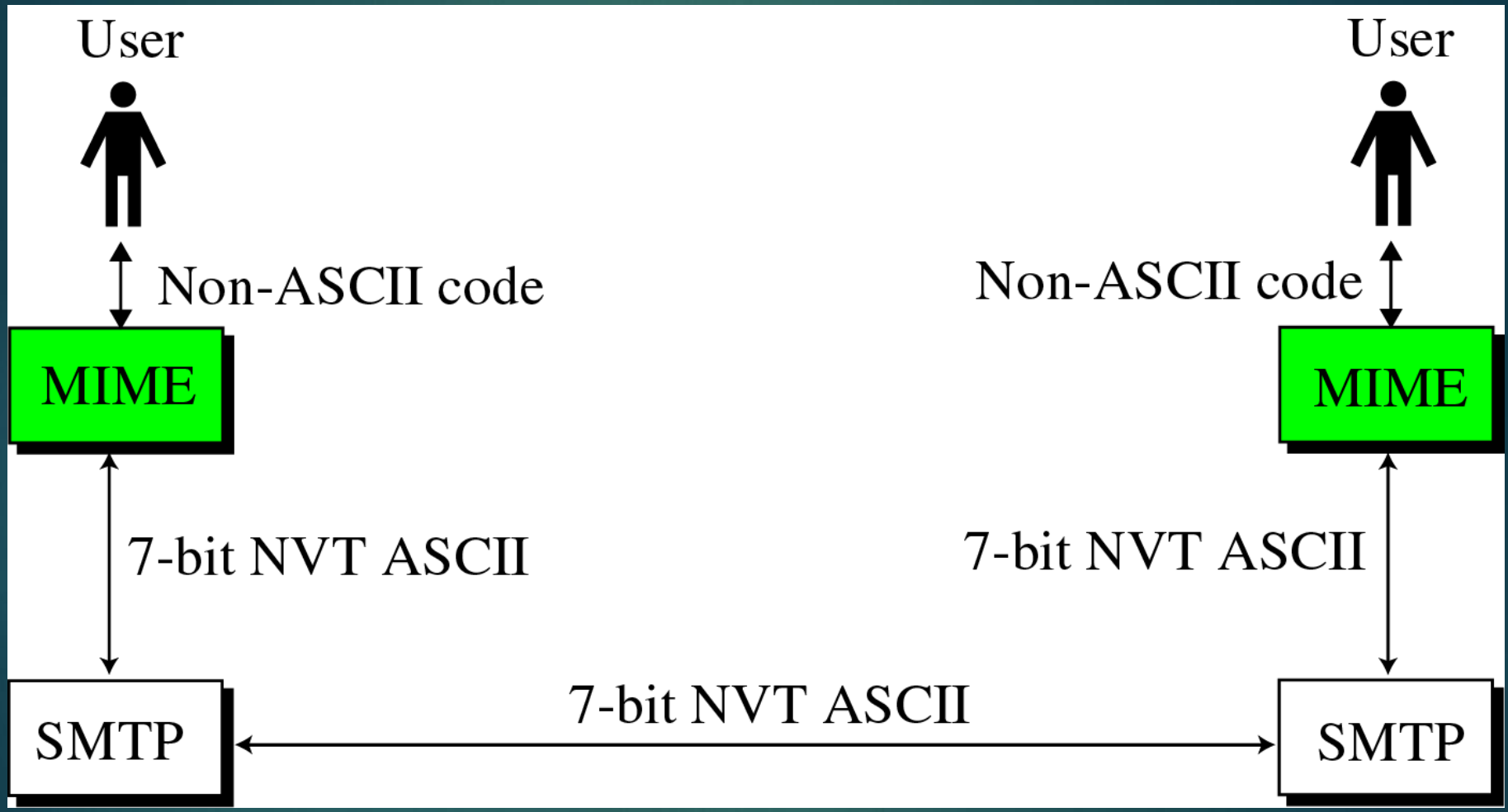
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The Entire E-mail System



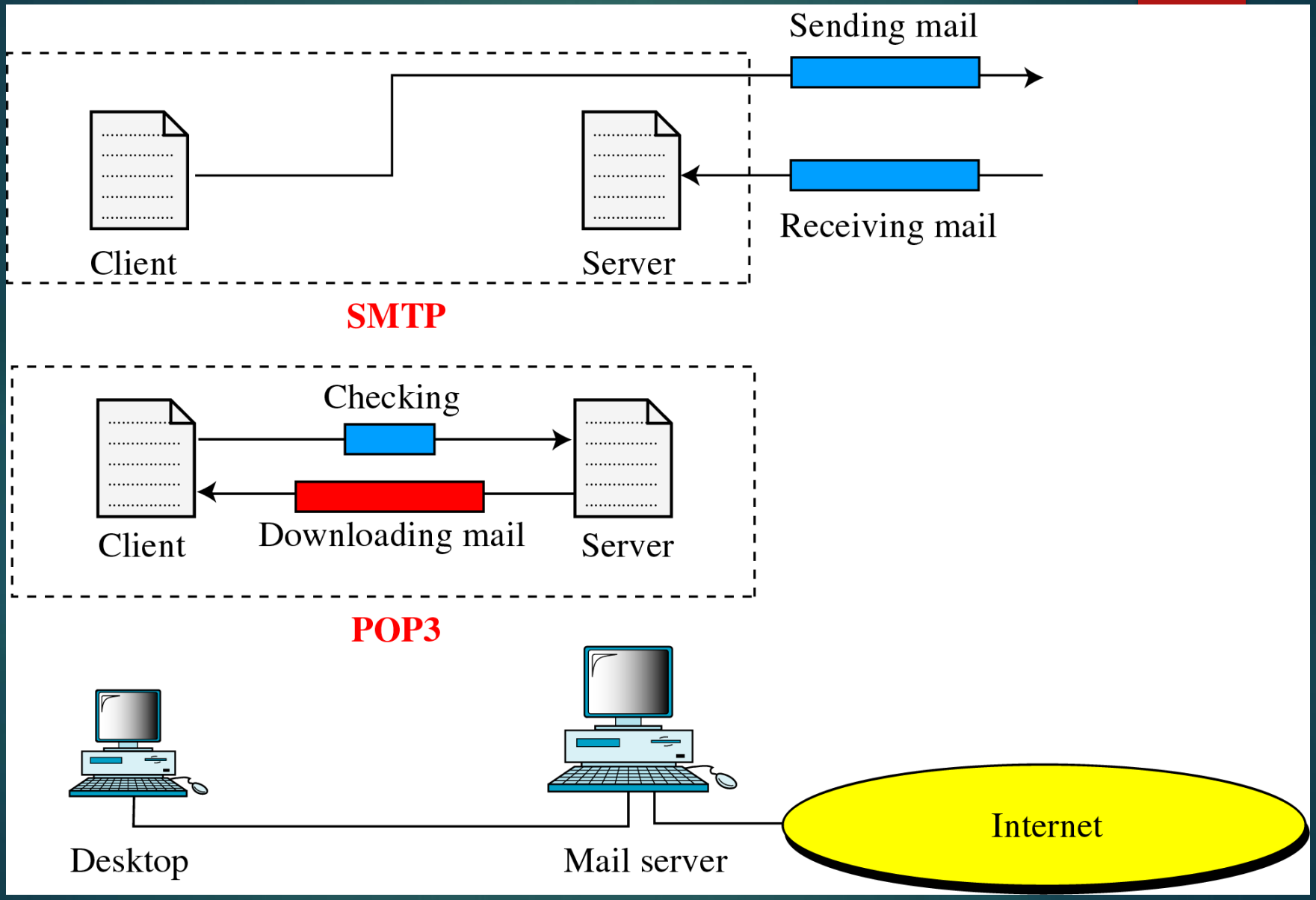
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MIME



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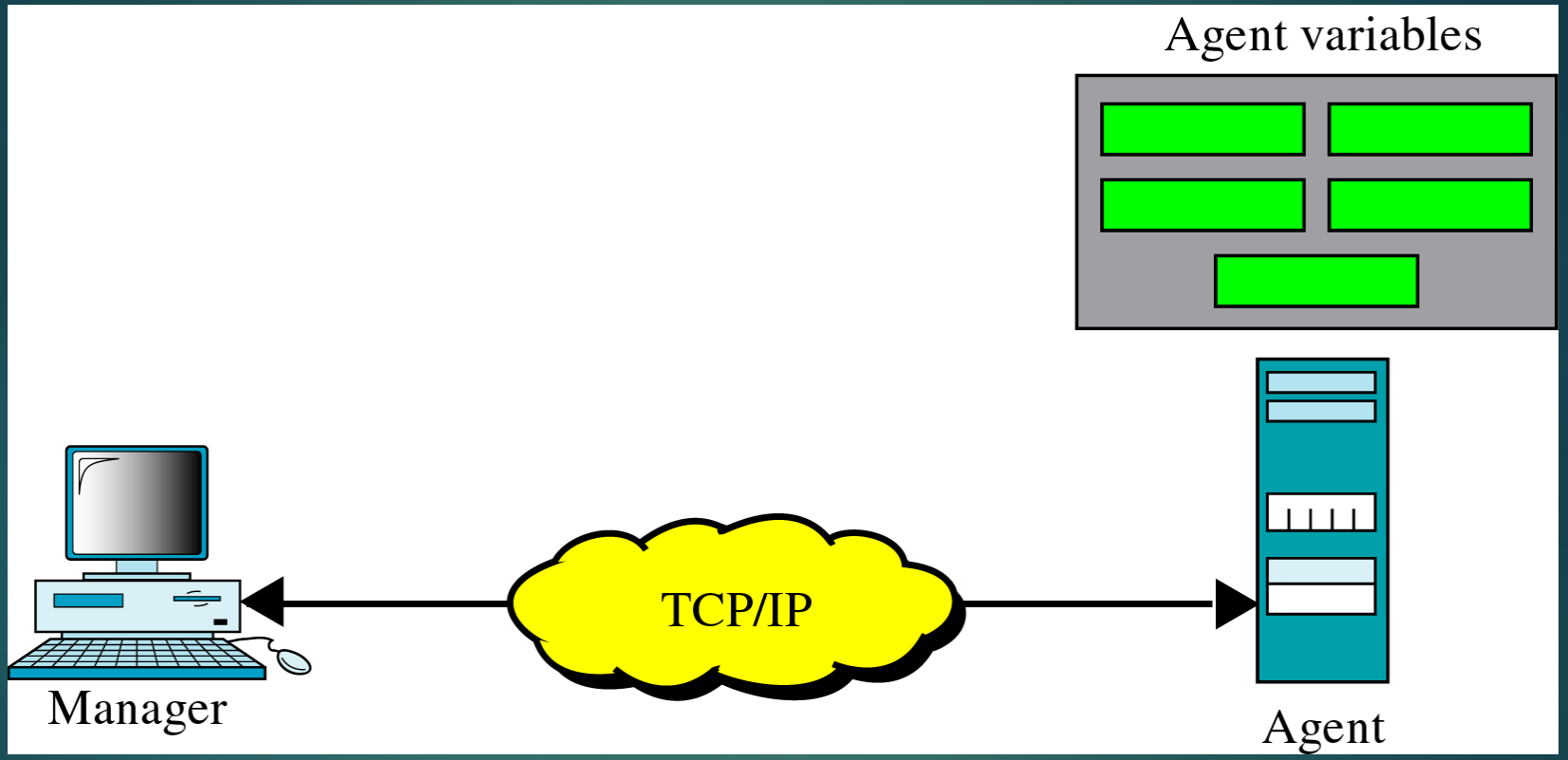
POP3 and SMTP



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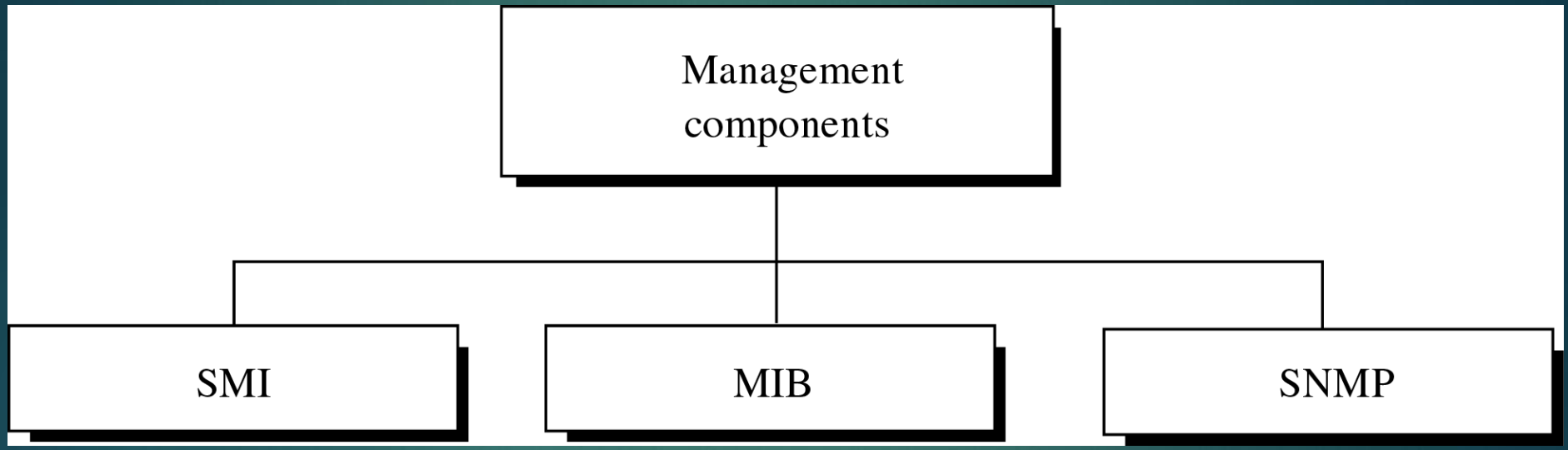
Figure 25-19

SNMP Concept



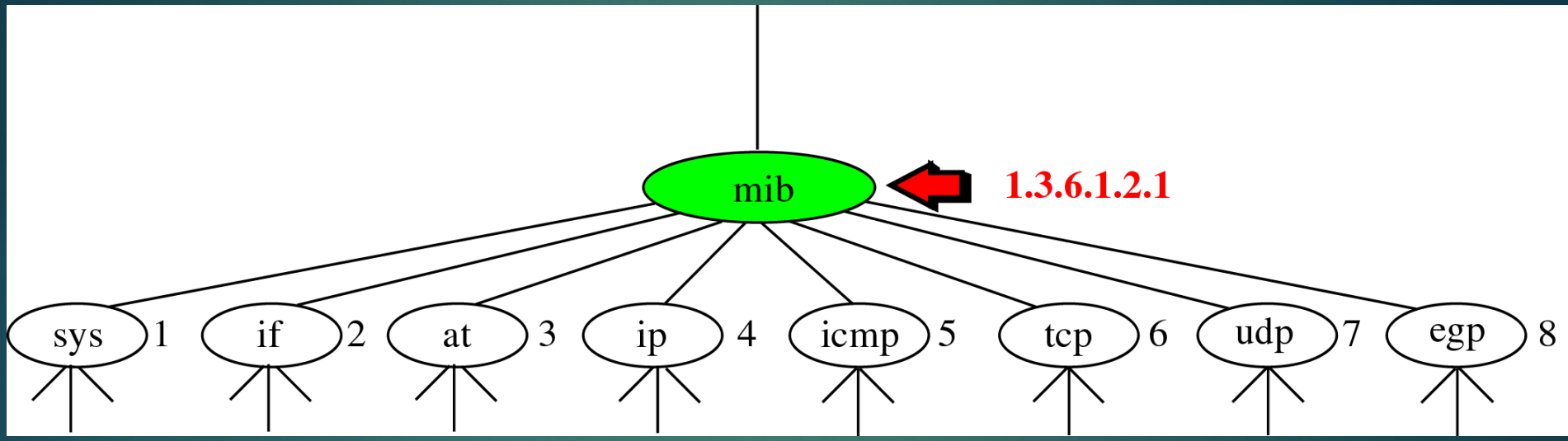
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Internet Management Components



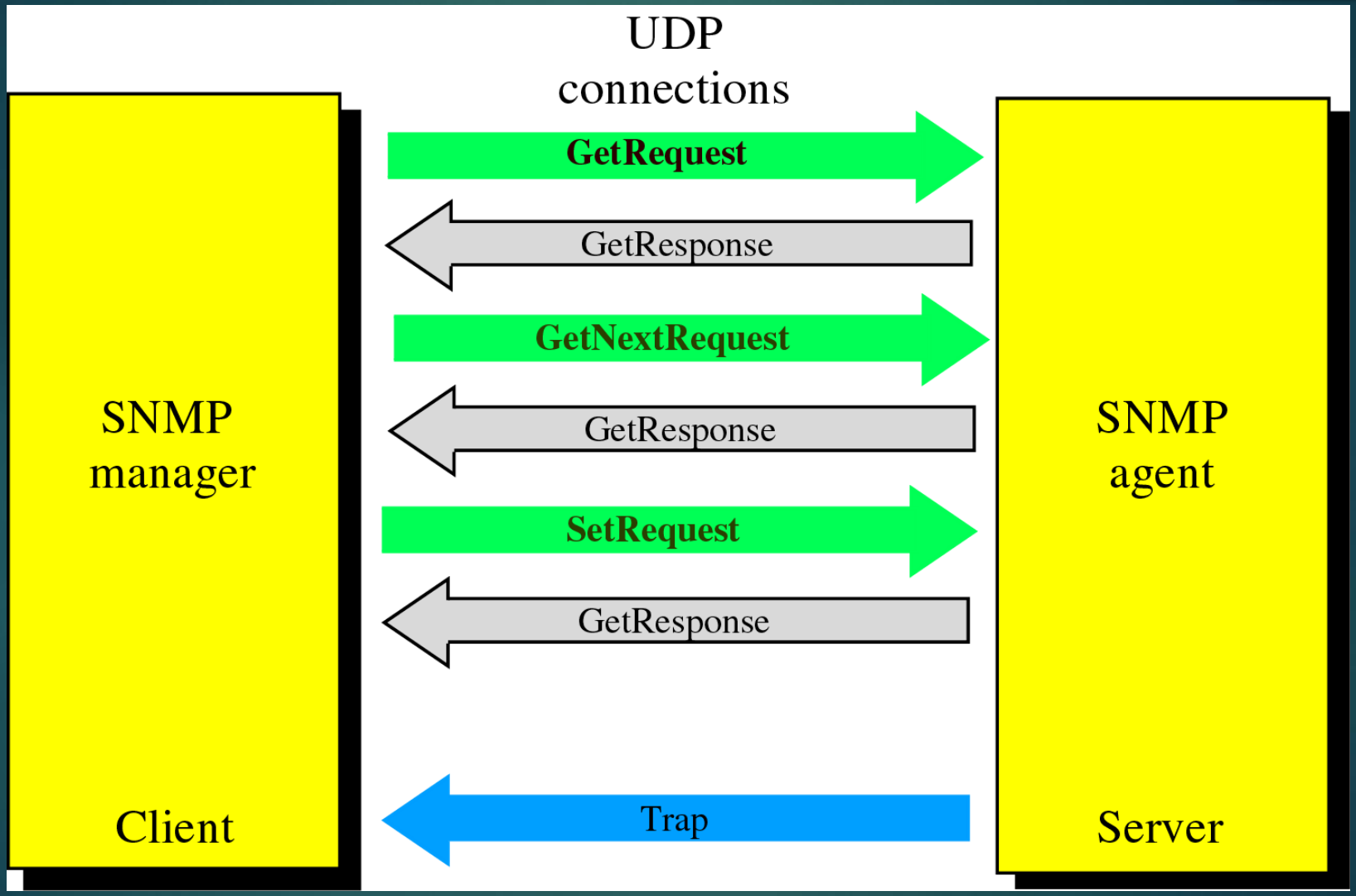
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MIB



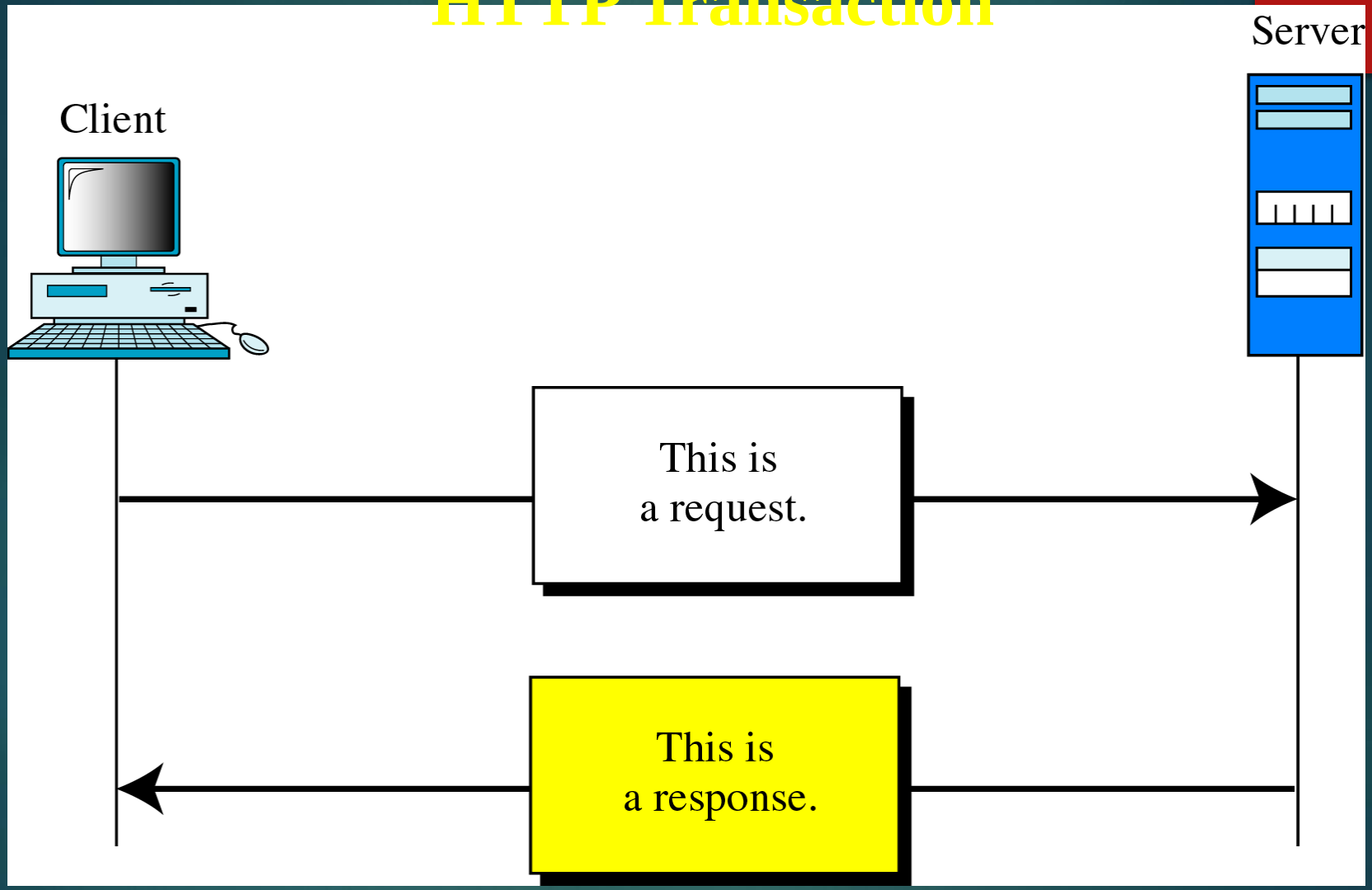
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SNMP Messages



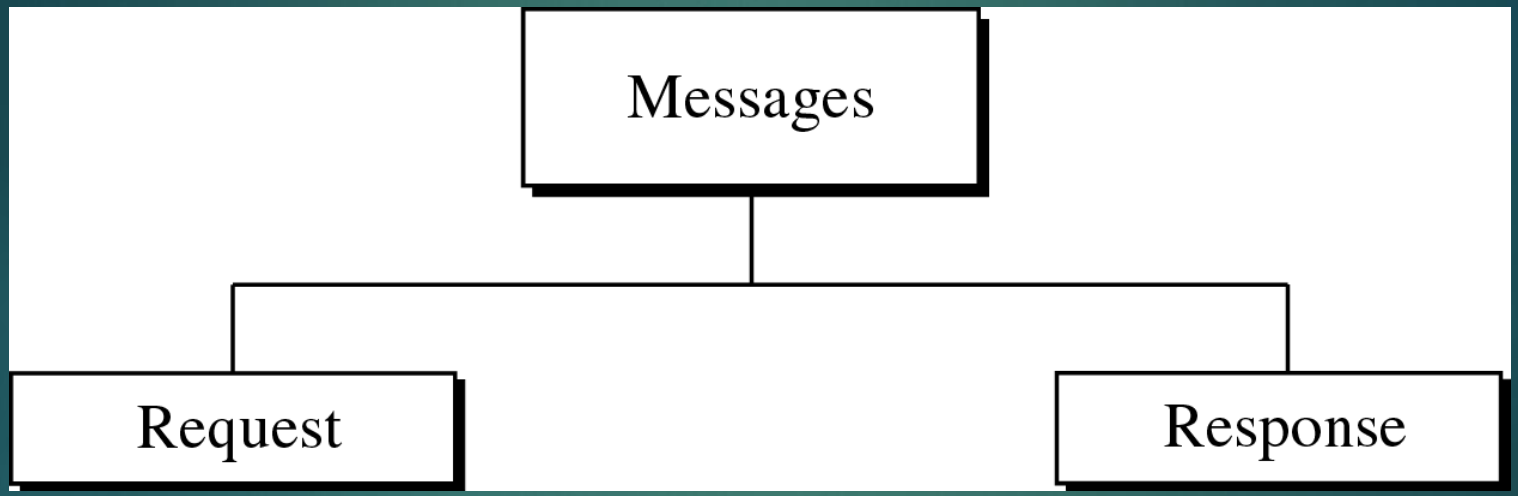
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HTTP Transaction



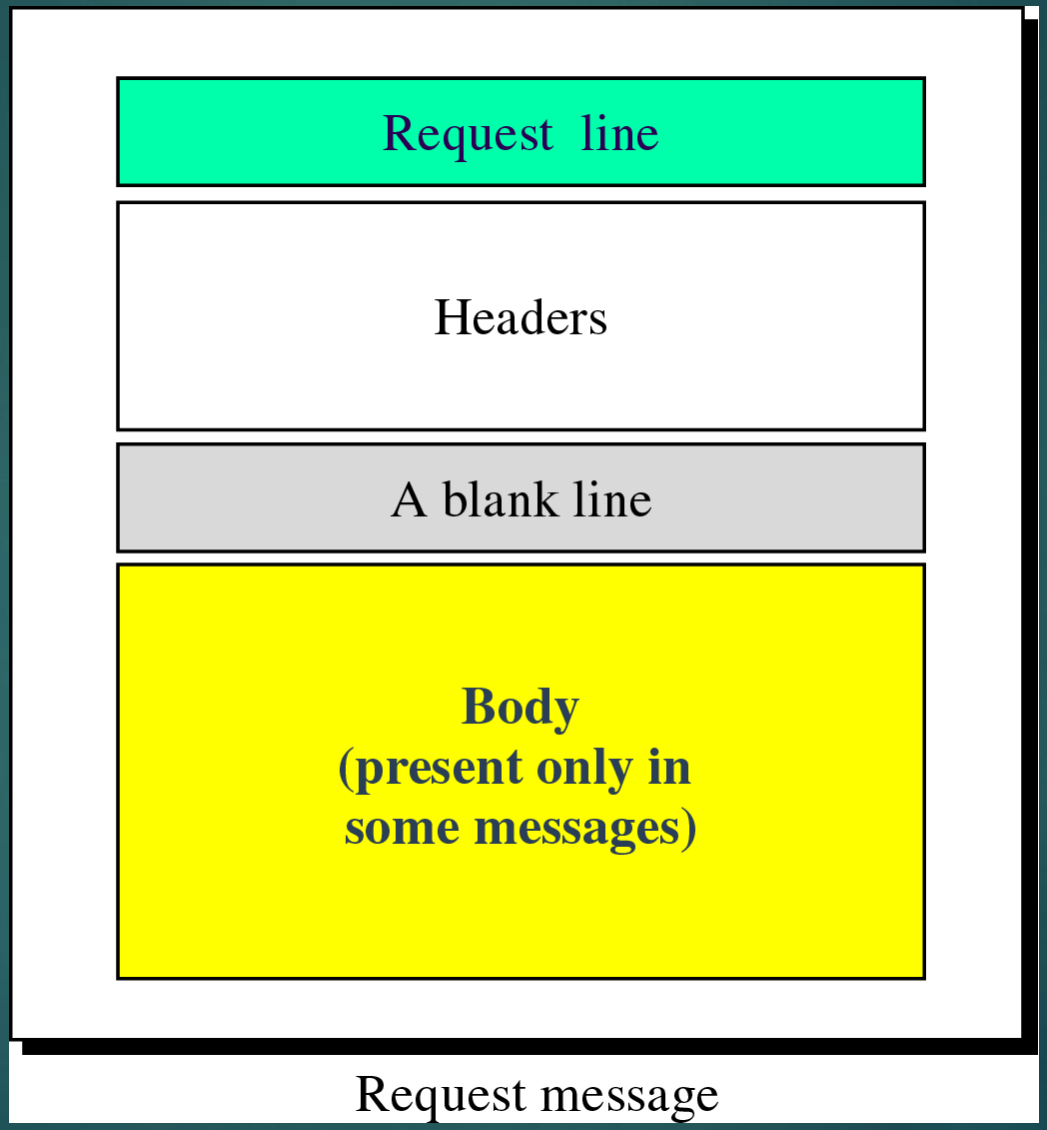
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Message Categories



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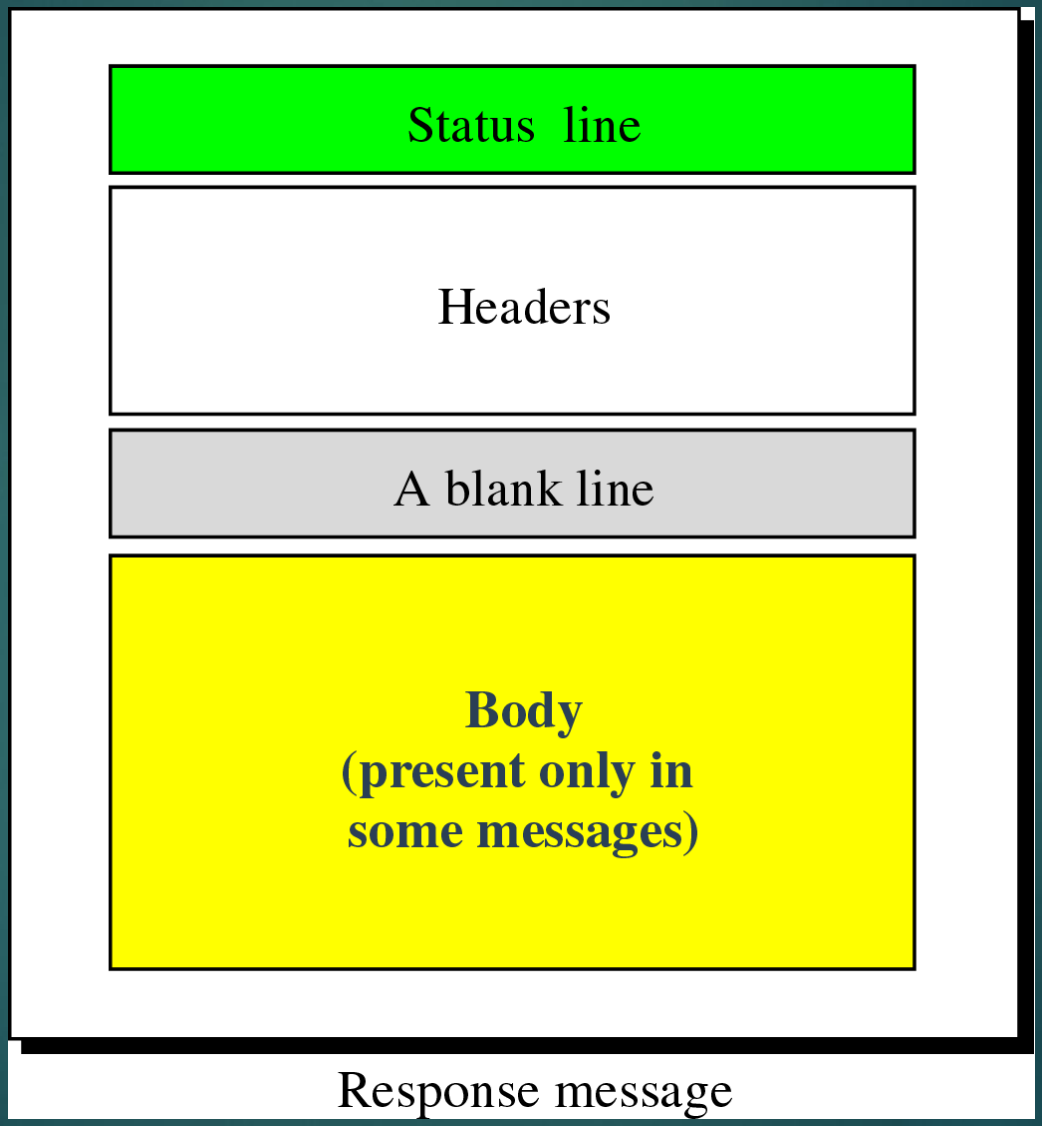
Request Message



Request message

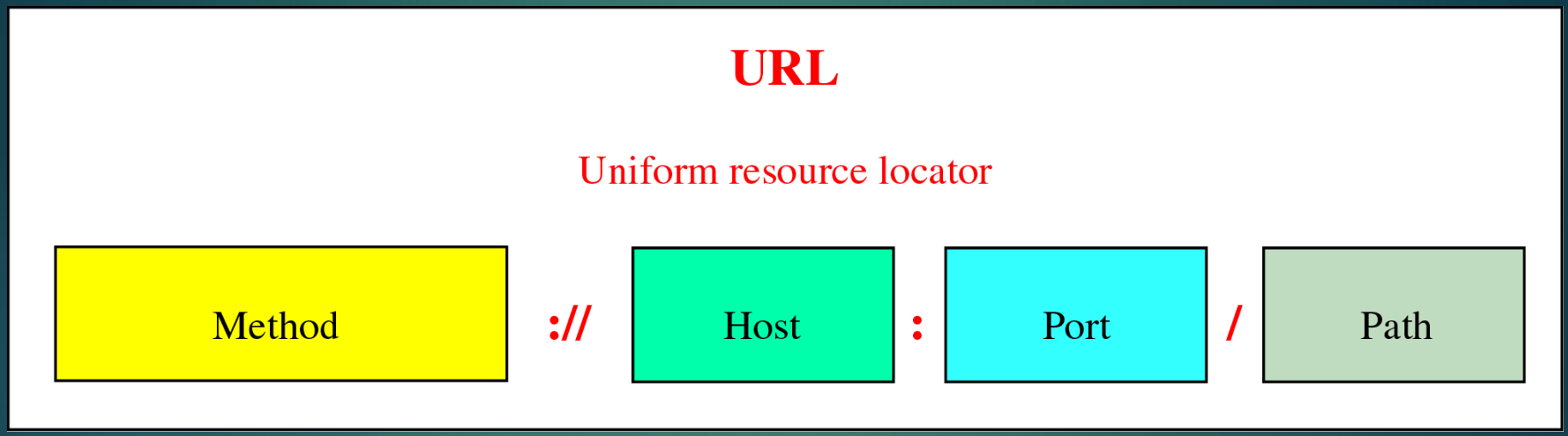
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Response Message



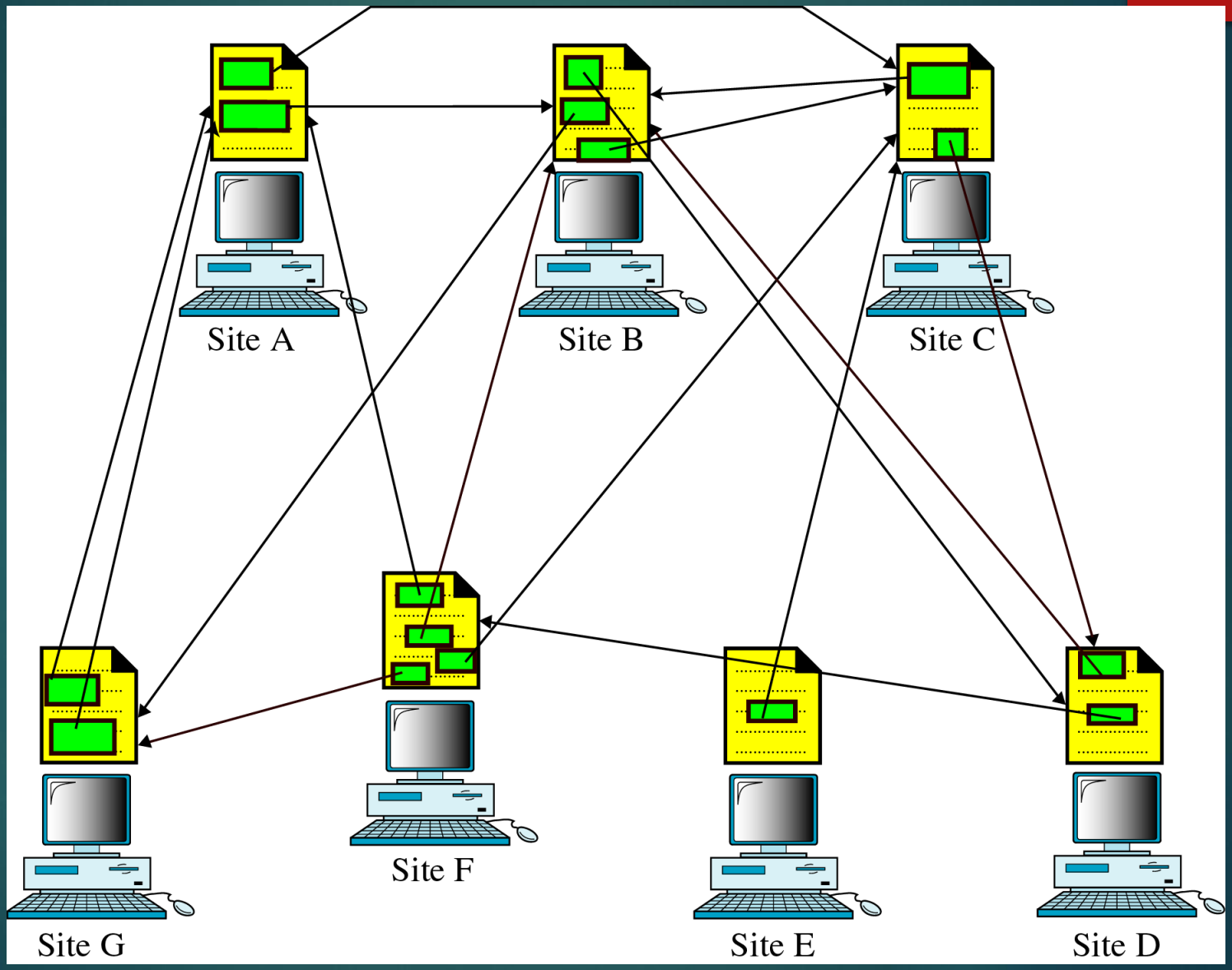
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URL



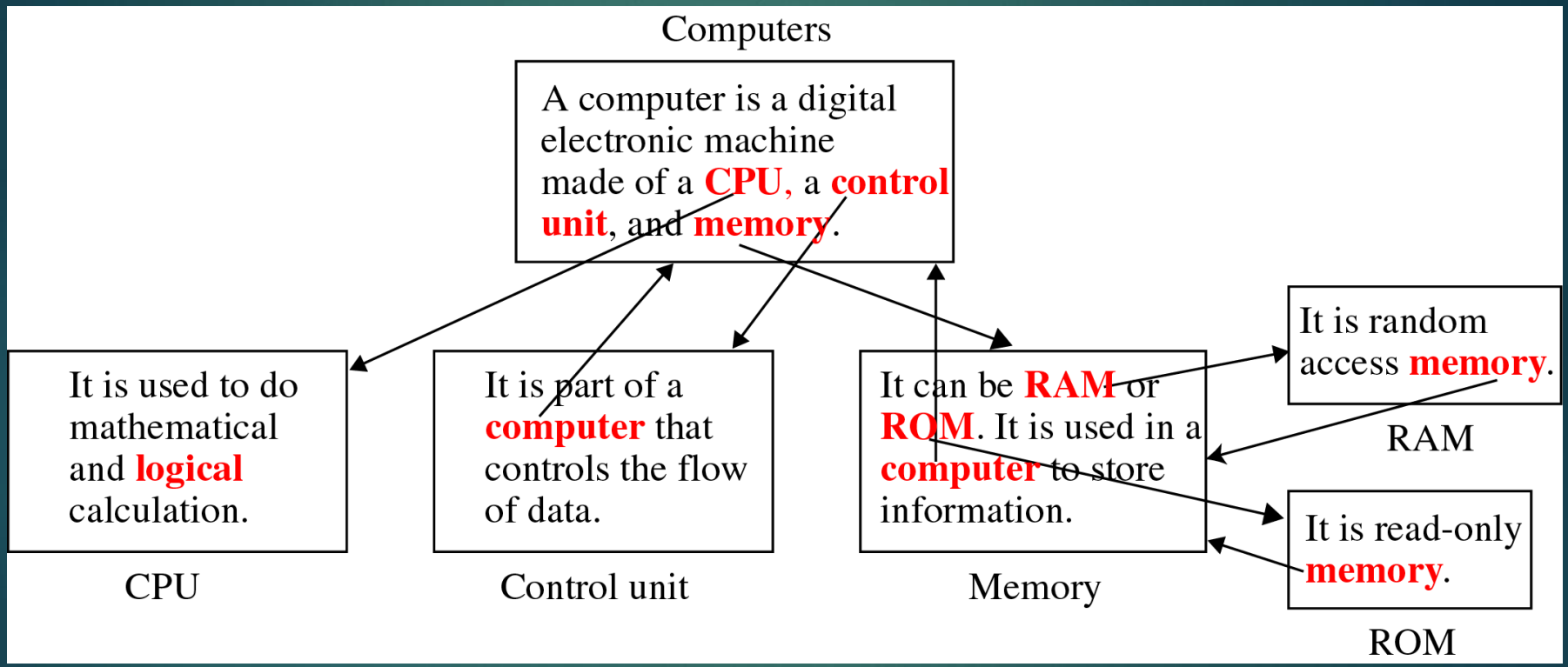
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Distributed Services



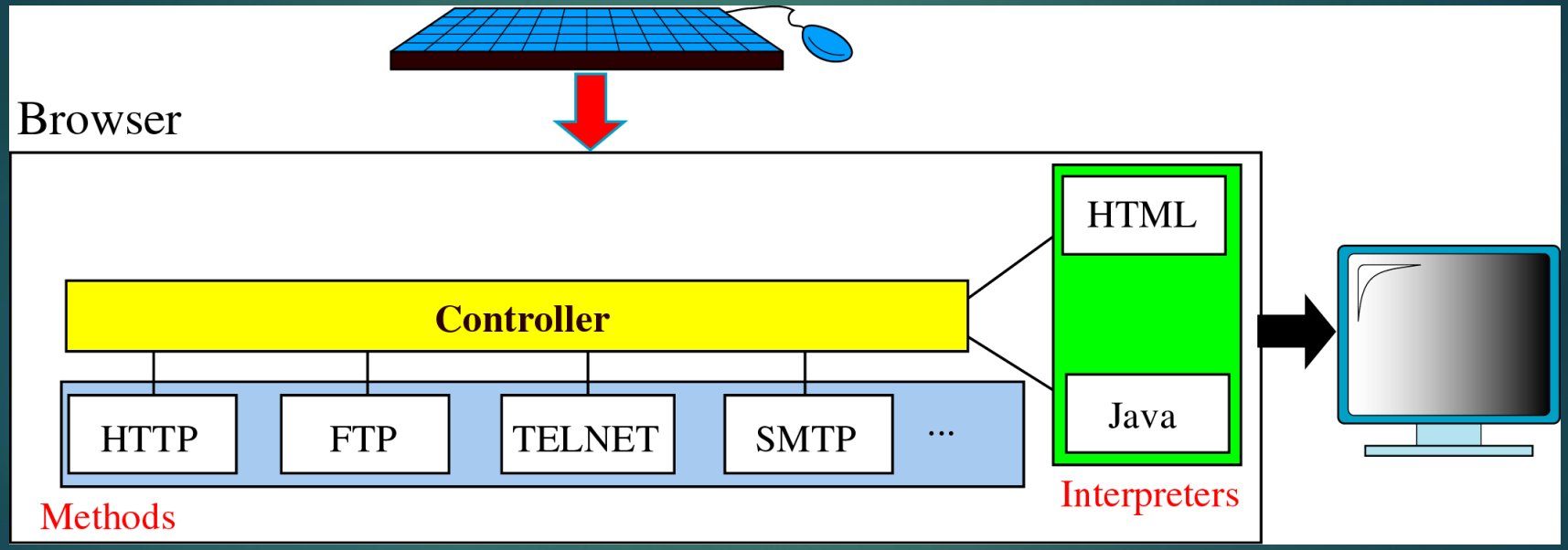
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Hypertext



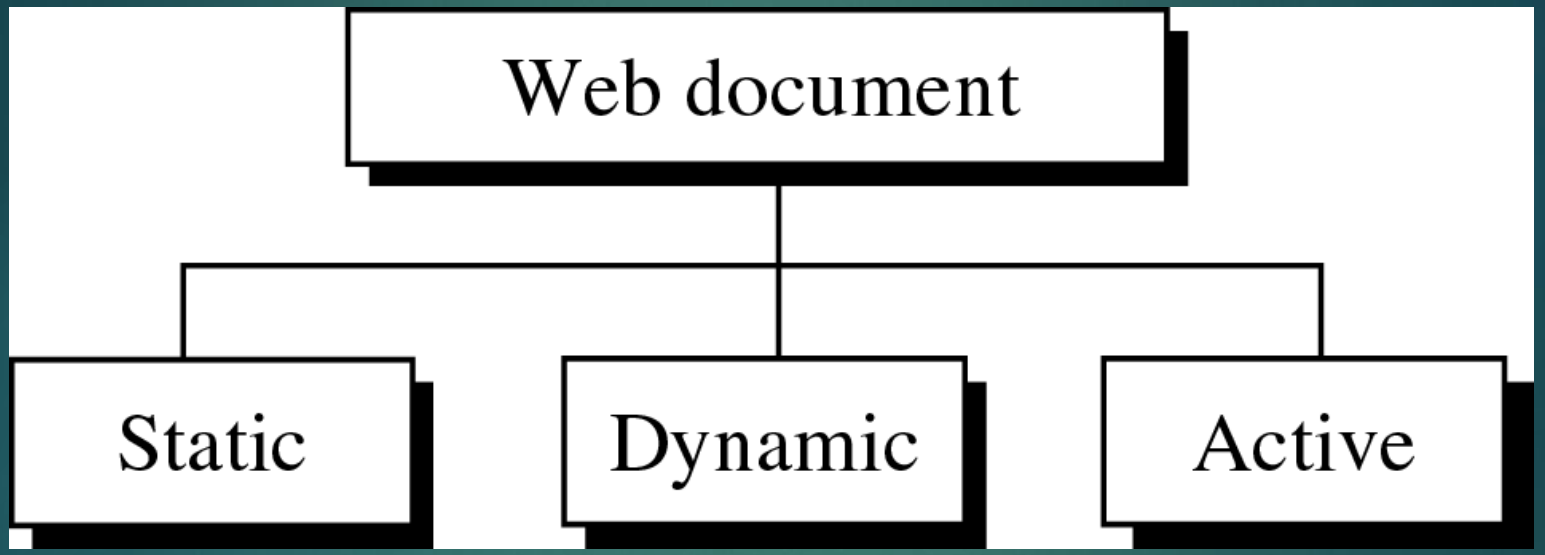
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Browser Architecture



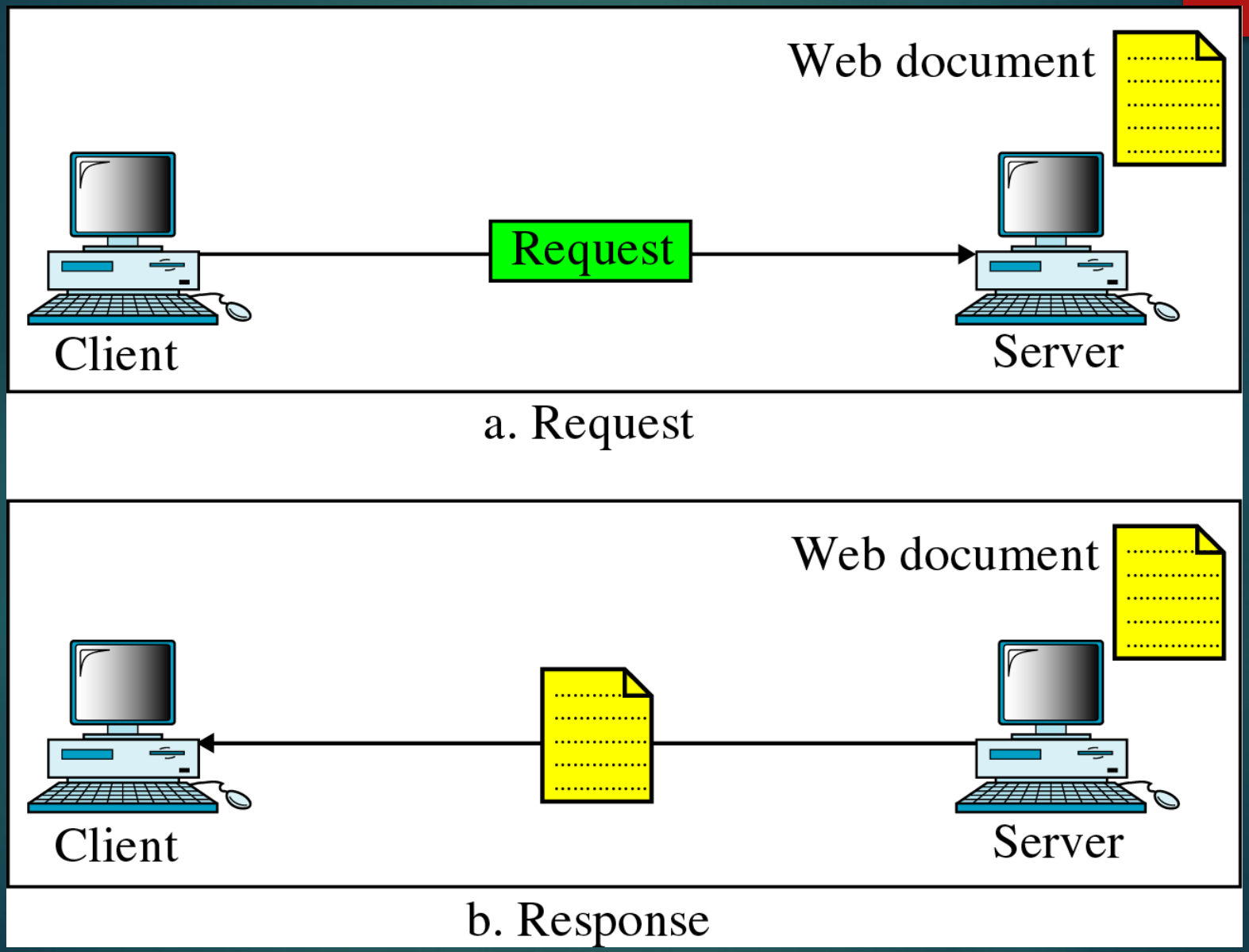
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Categories of Web Documents



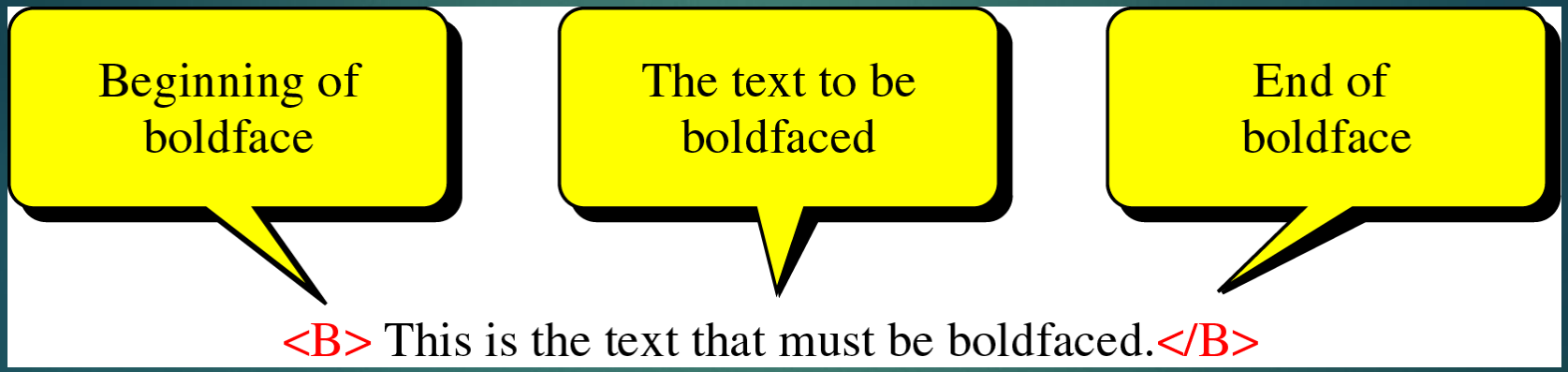
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Static Document



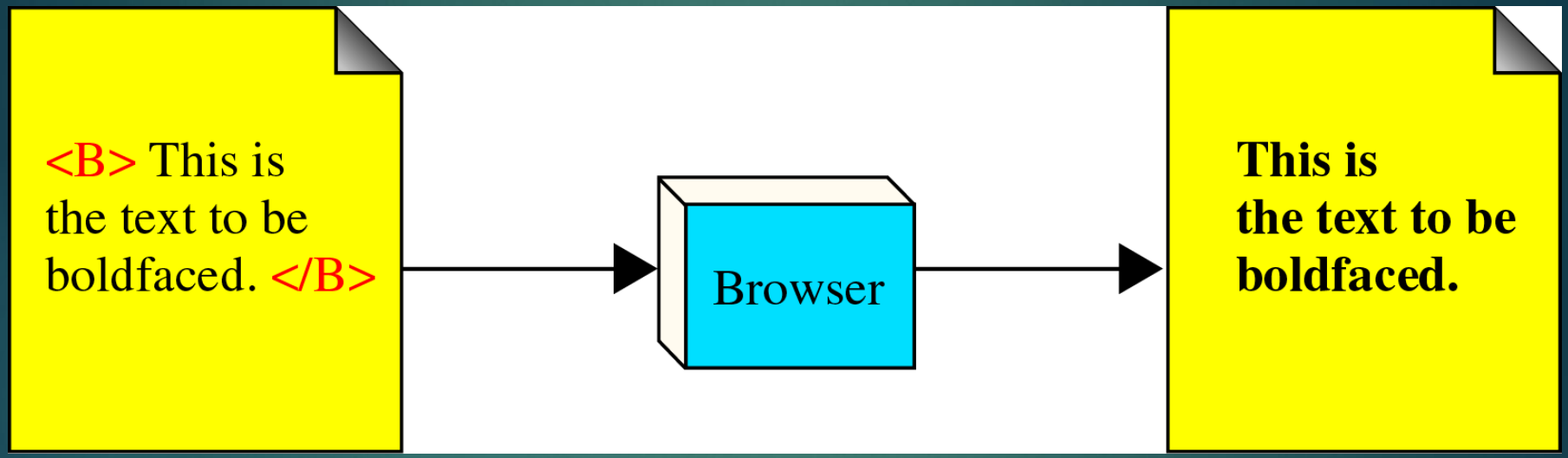
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Boldface Tags



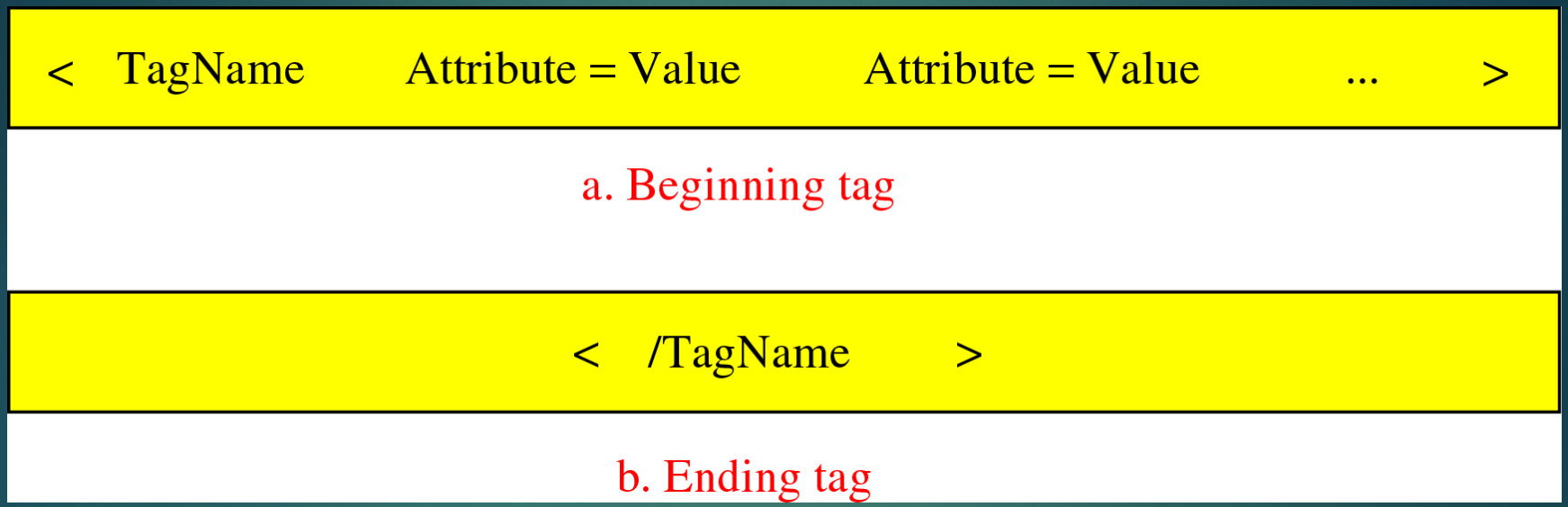
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Effect of Boldface Tags



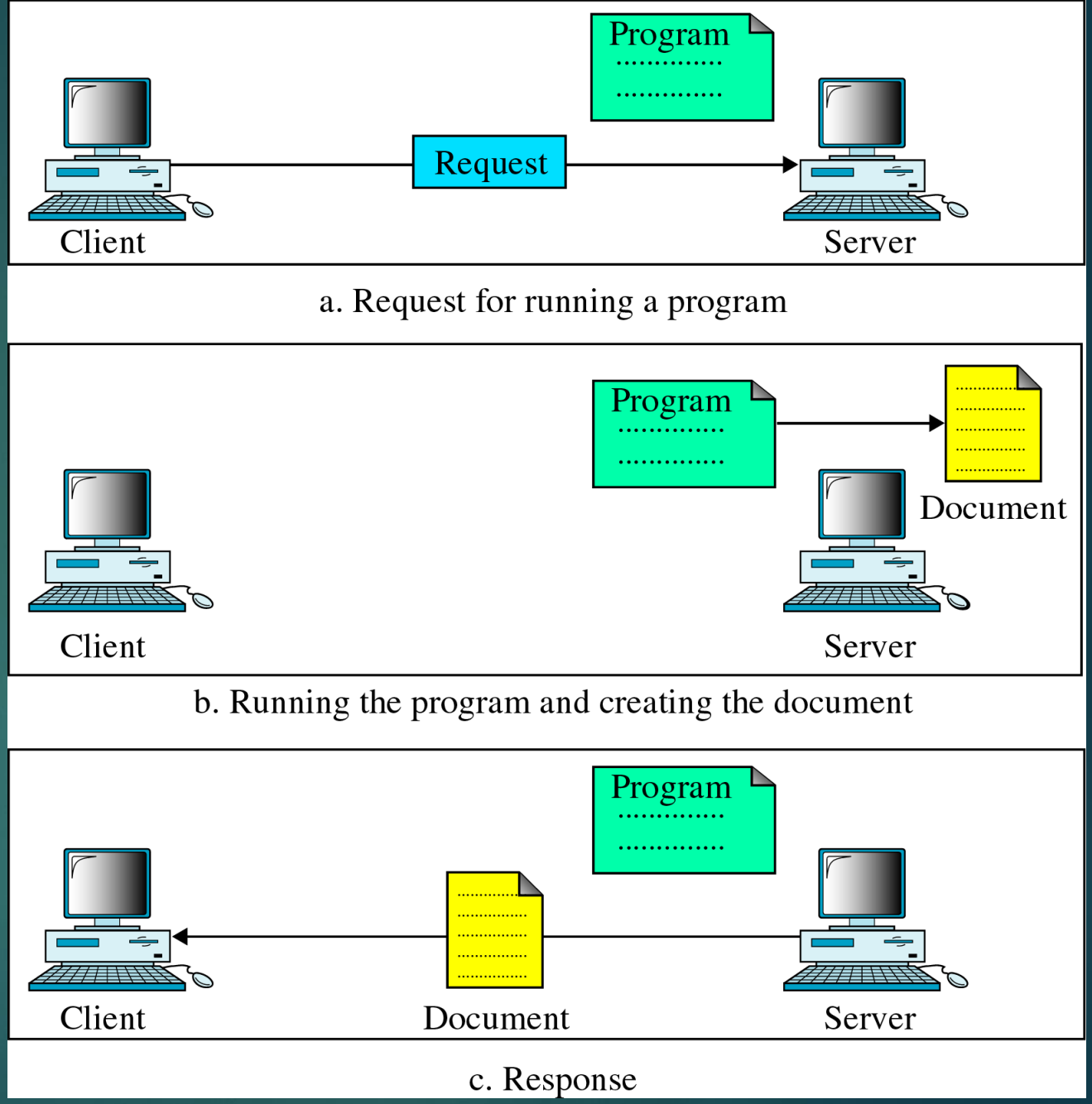
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Beginning and Ending Tags



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Dynamic Document



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