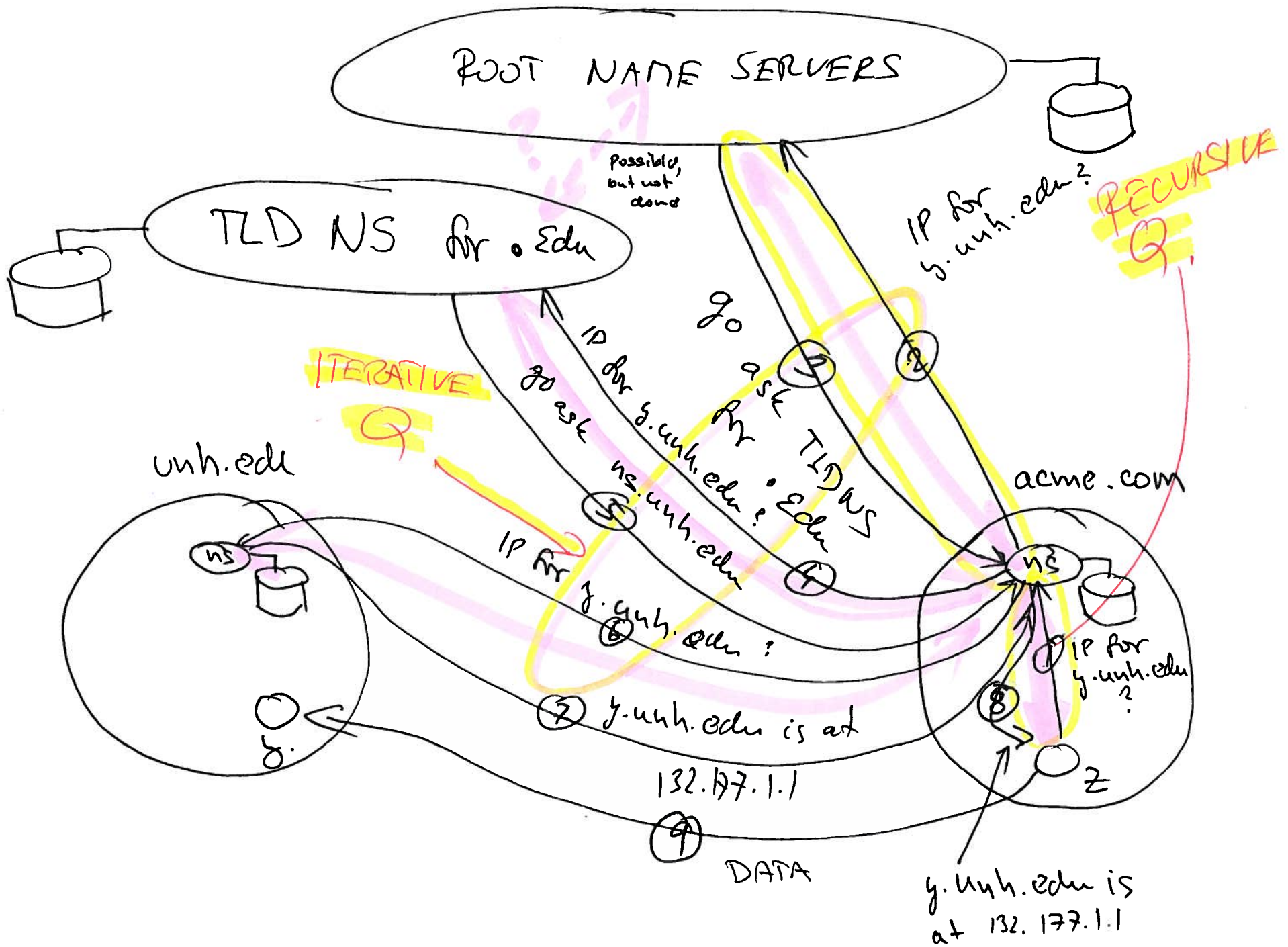
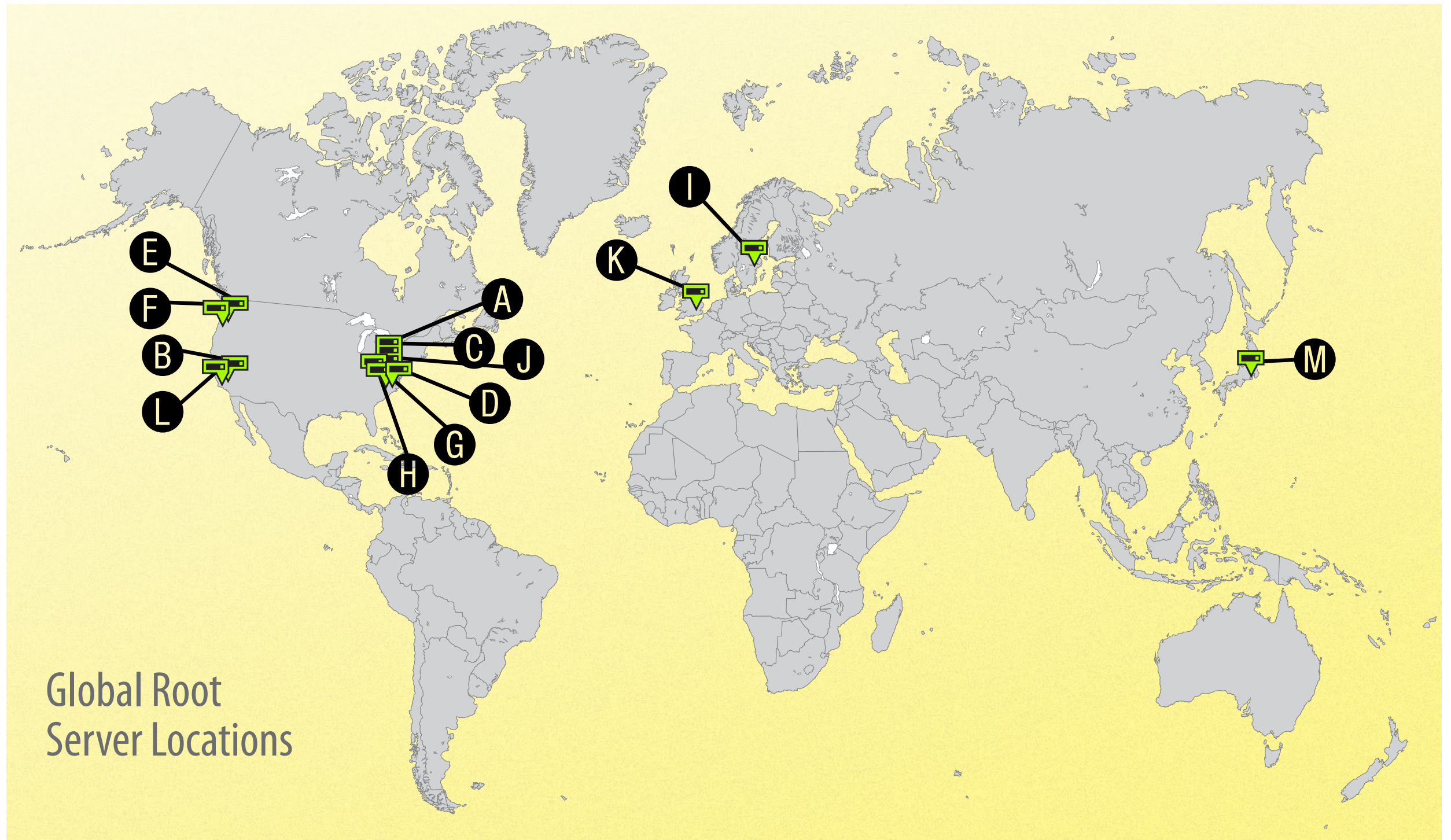


Domain Name Service

- ▶ Distributed, redundant, hierarchical database
 - ownership
 - characteristics of the organization (.com, .org, ...)
 - geography (.uk, .cn, .nh.us)
- ▶ Query delegation:
 - recursive
 - iterative (non-recursive)



Root Name Servers



DNS Records (examples)

A	address record
AAAA	IPv6 address record
CNAME	canonical name record
MX	mail exchange record
NS	name server record
PTR	pointer record
SOA	start of authority record
TXT	text record

► DNS tools: [nslookup](#), [host](#), [dig](#)

TELNET protocol
 application (client)

telnetd - server

