

NAMING
AND
BINDING
of NETWORK DESTINATIONS

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M. I. T.

LAB. FOR COMP. SCI.

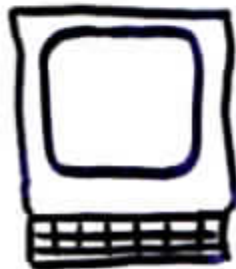
SERVICE



NODE

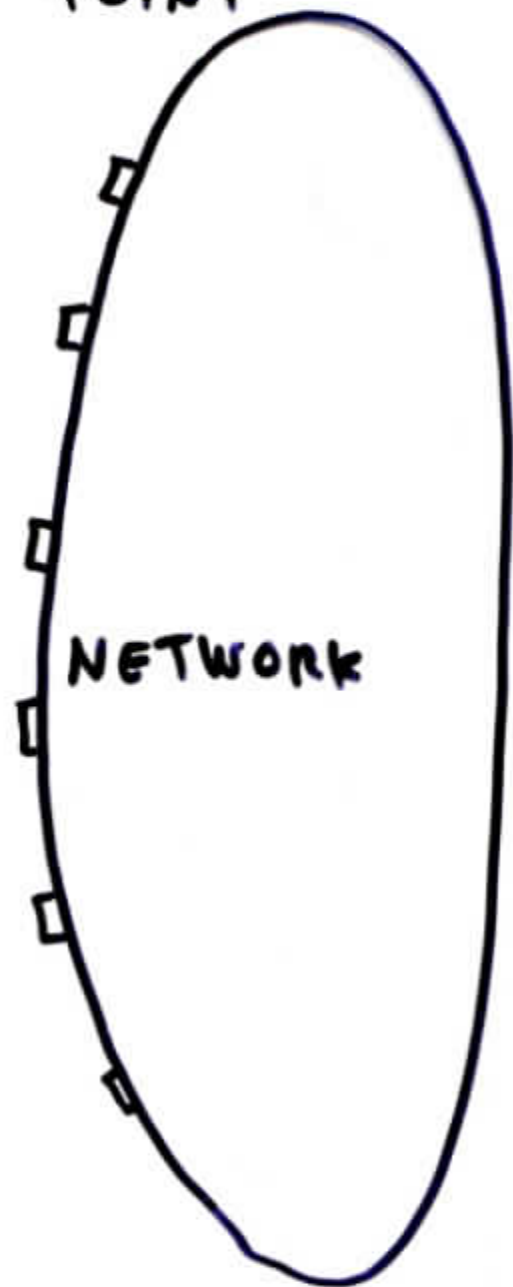
Alto

370



Apple

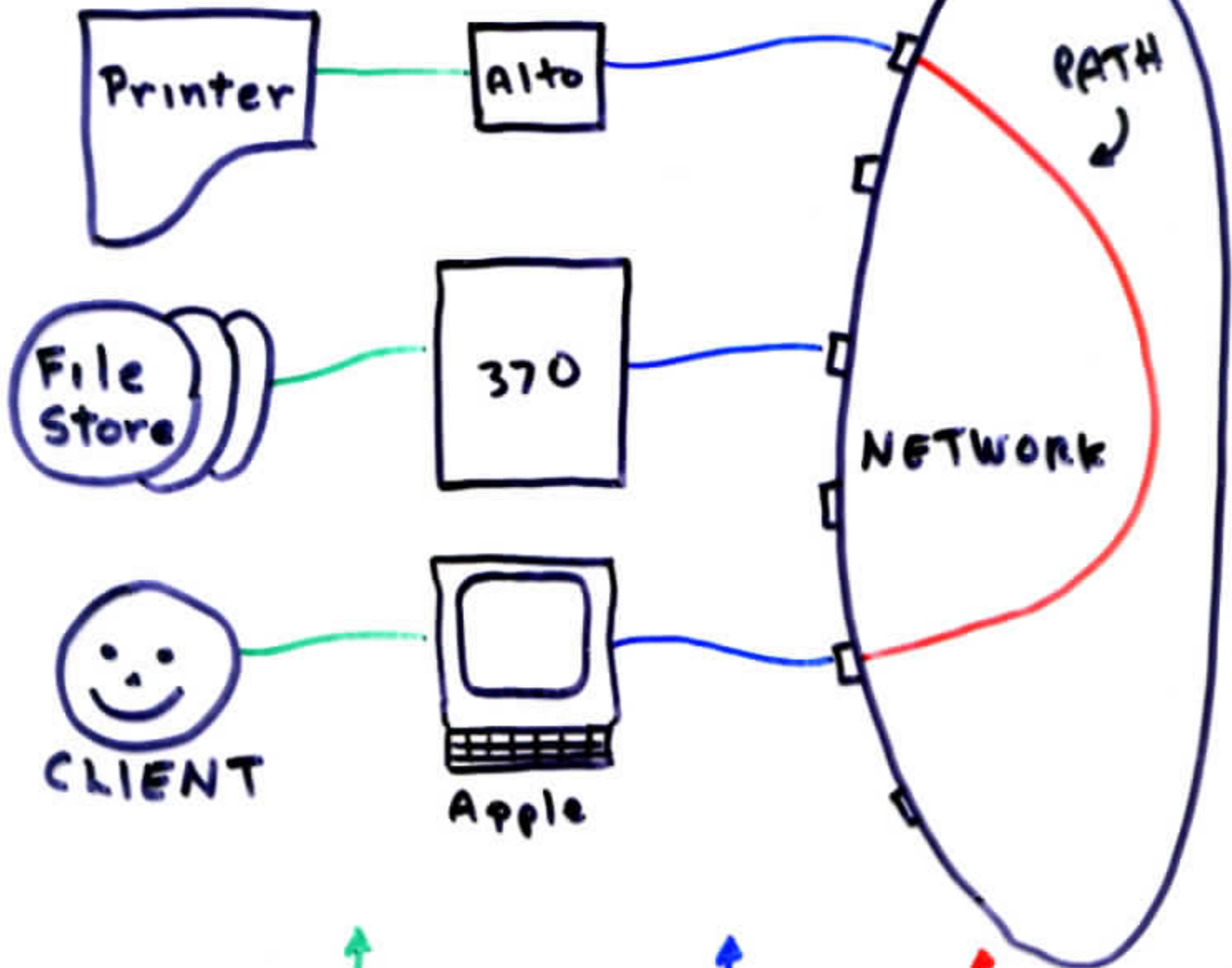
ATTACH
POINT



SERVICE

NODE

ATTACH POINT



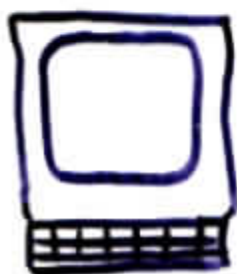
BINDINGS:



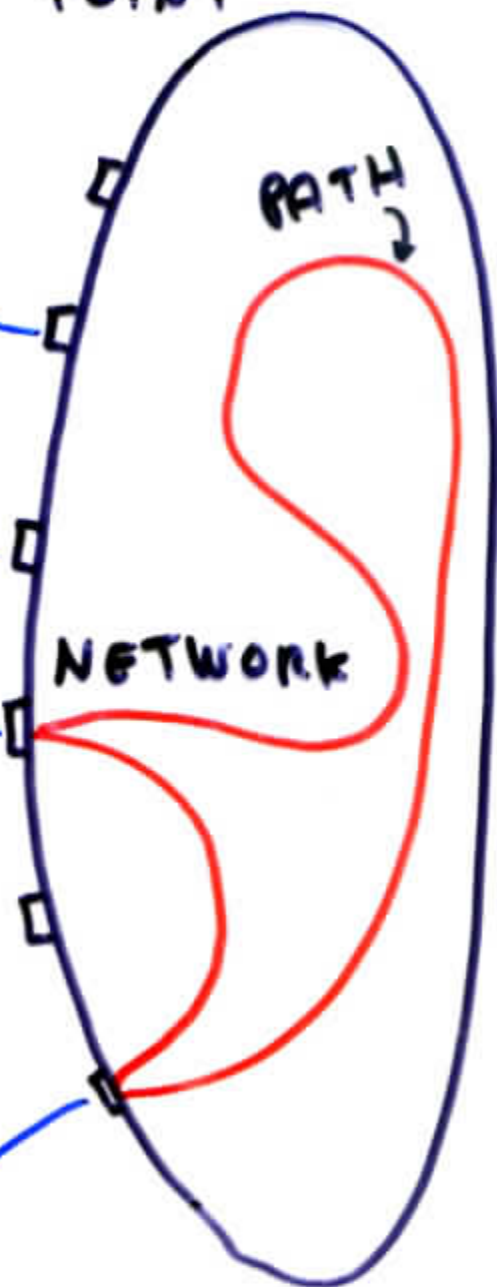
SERVICE

NODE

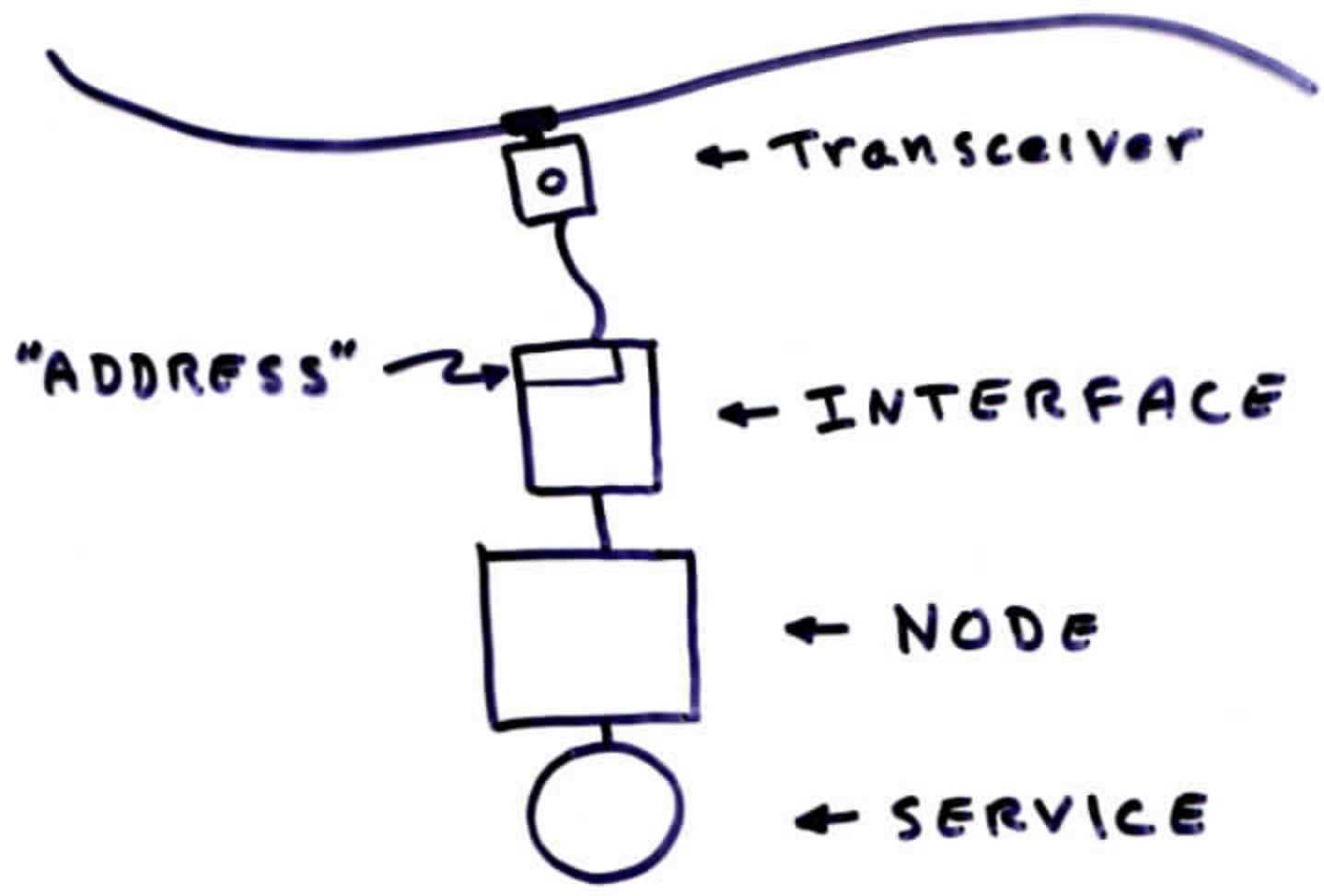
ATTACH POINT



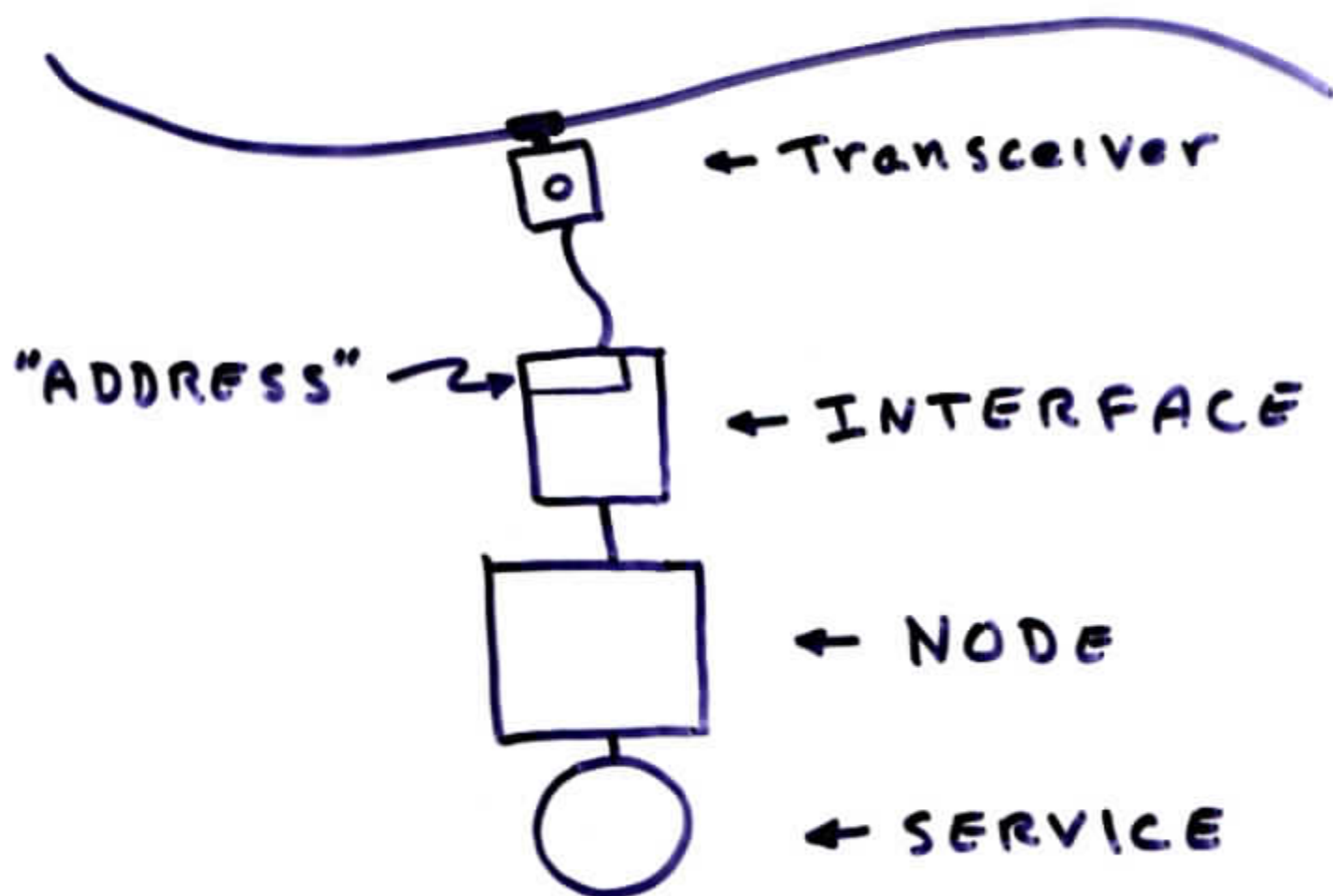
NEW BINDINGS



EXAMPLE: ETHERNET



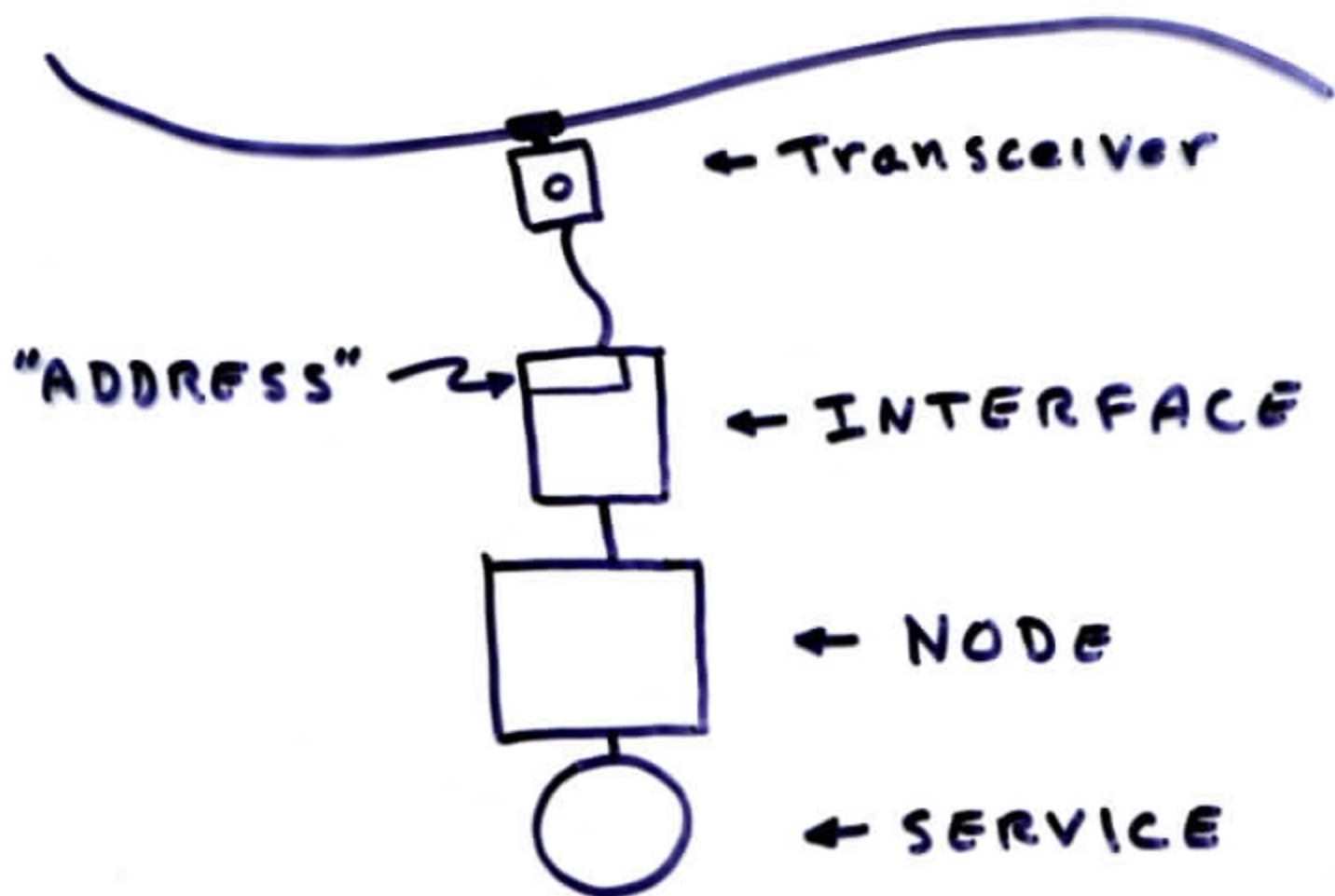
EXAMPLE: ETHERNET



POLICY #1

"ADDRESS" \equiv NAME OF INTERFACE
(WIRE INTO INTERFACE)

EXAMPLE: ETHERNET

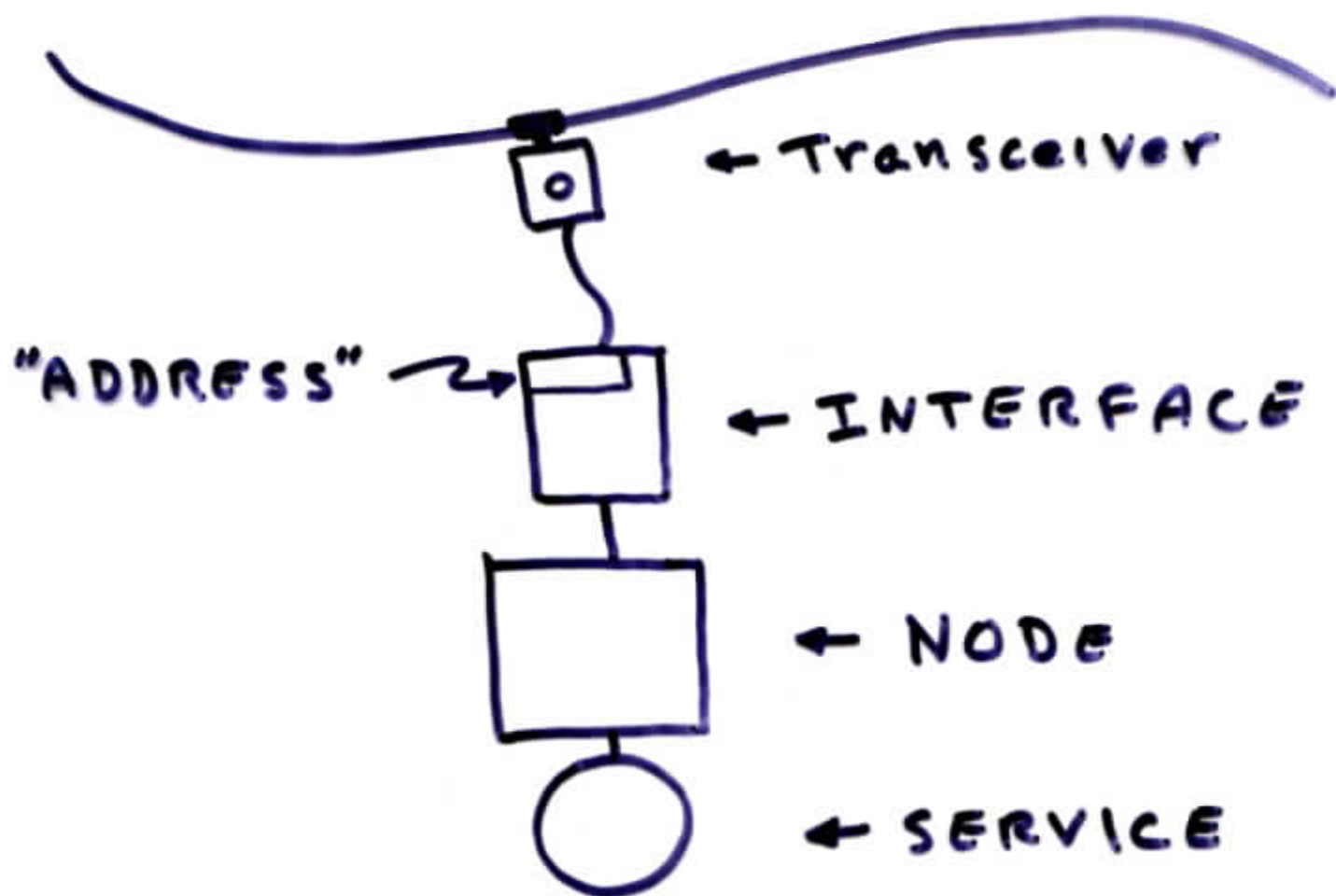


POLICY # 2 :

"ADDRESS" \equiv NAME OF NODE

(Initialize from node)

EXAMPLE: ETHERNET

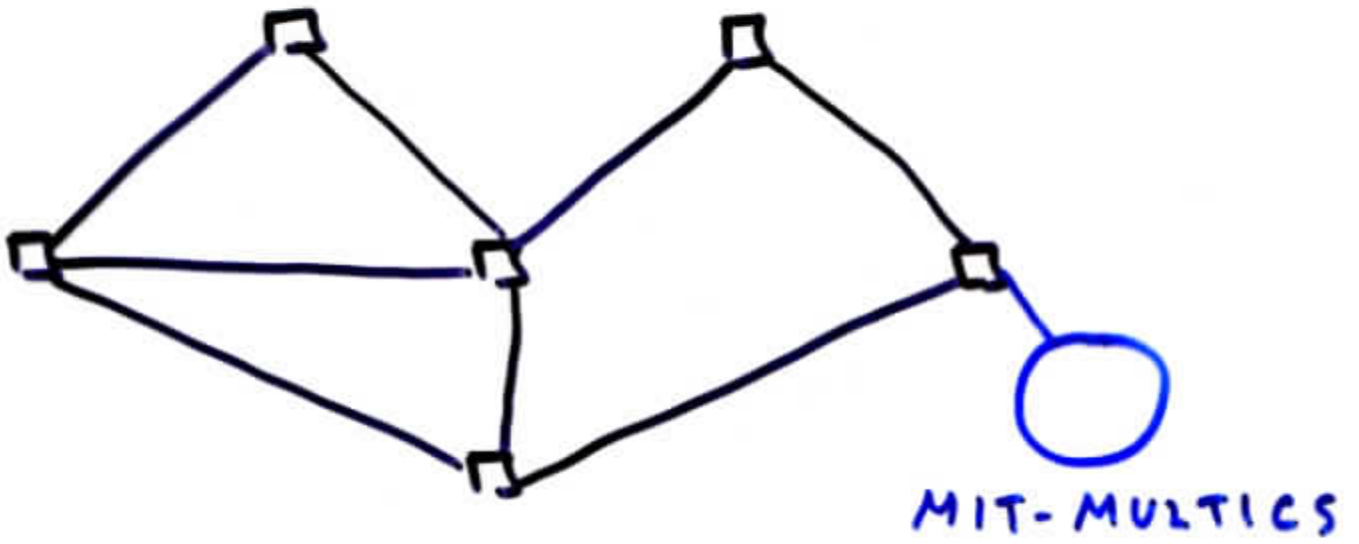


POLICY # 3 :

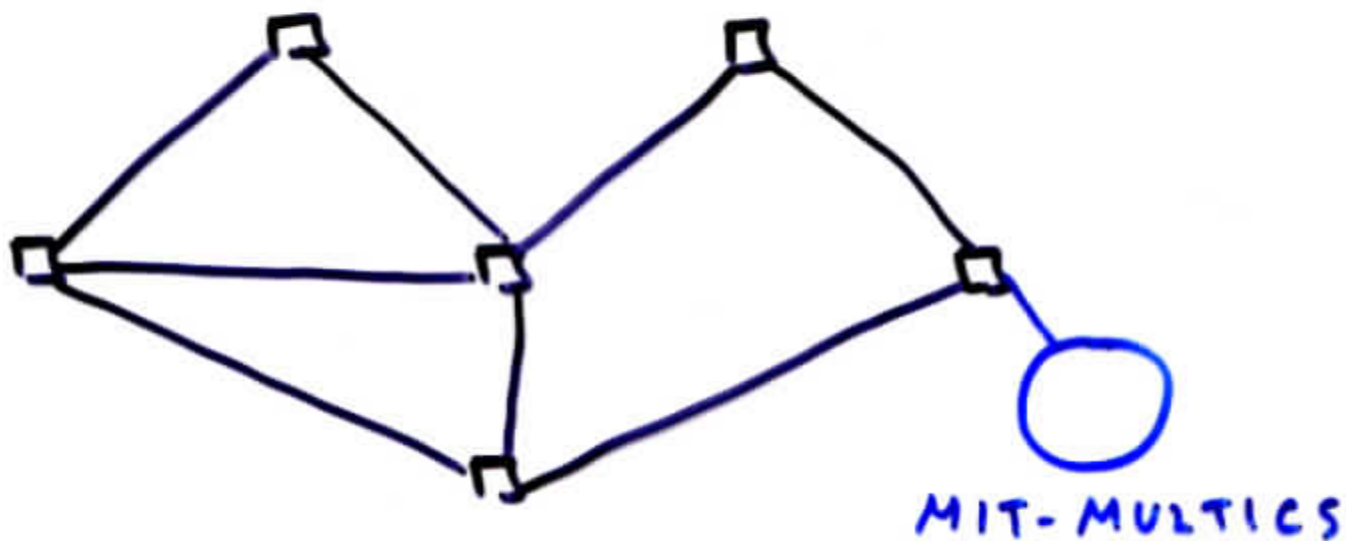
"ADDRESS" \equiv NAME OF SERVICE

(Initialie from node storage)

ARPANET EXAMPLE

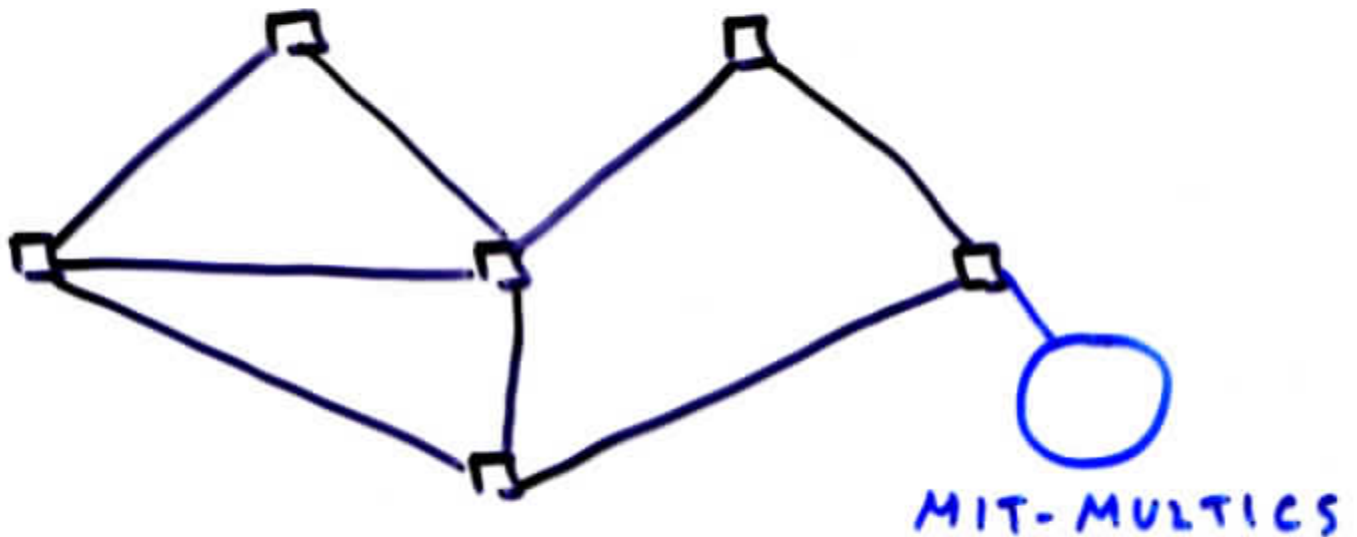


ARPANET EXAMPLE



LOOKS LIKE NAME OF SERVICE

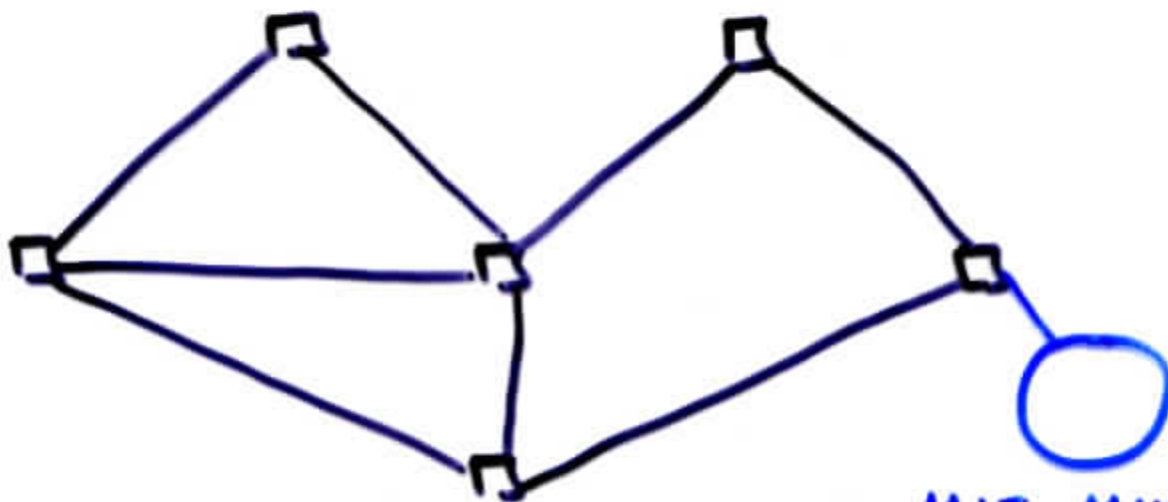
ARPANET EXAMPLE



~~LOOKS LIKE NAME OF SERVICE~~

USED LIKE NAME OF NODE

ARPANET EXAMPLE



MIT-MULTICS

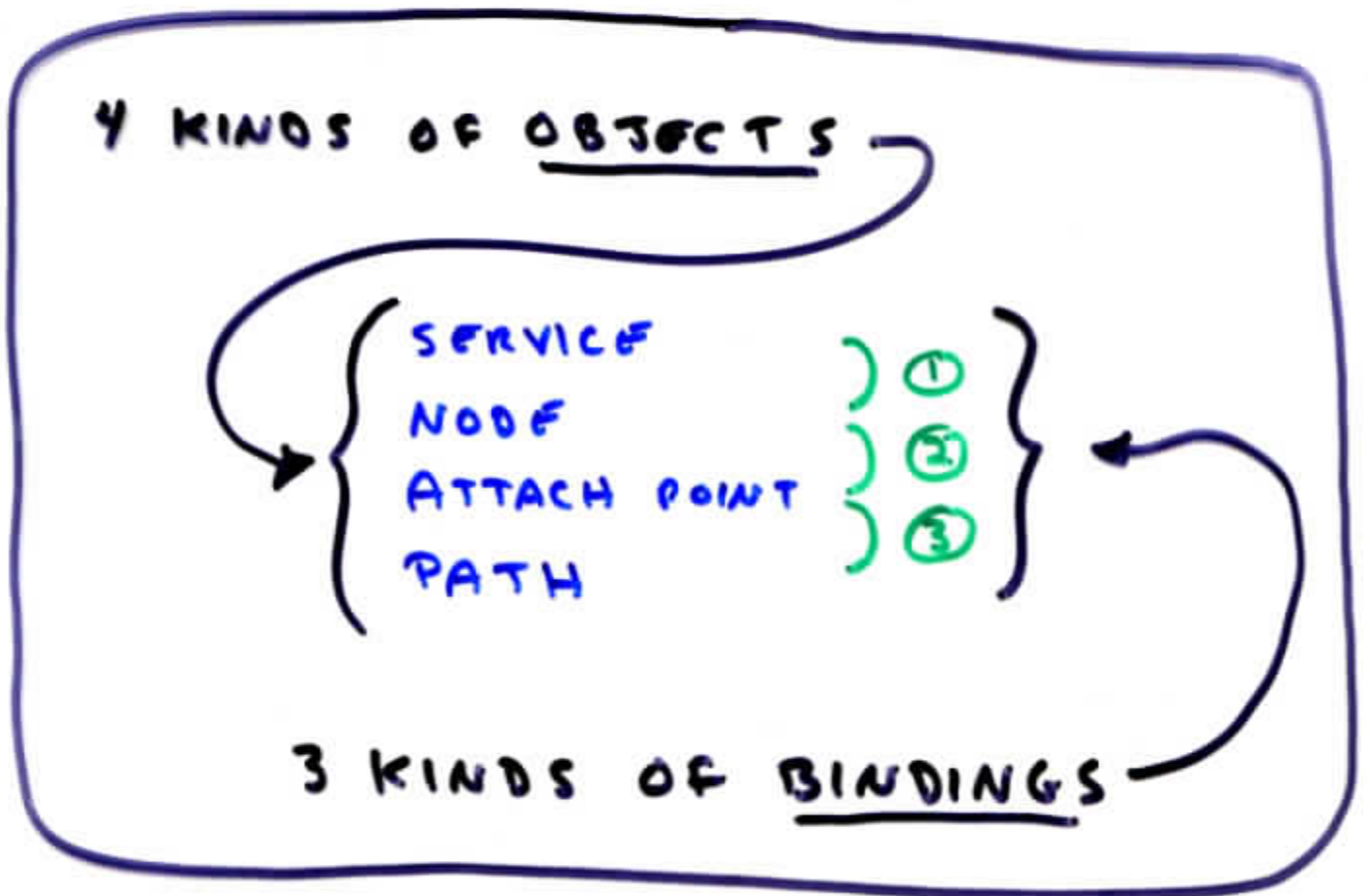
~~LOOKS LIKE NAME OF SERVICE~~

~~USED LIKE NAME OF NODE~~

IMPLEMENTED AS NAME OF ATTACH POINT

MIT-MULTICS \equiv { FORWARDING NODE 6, }
PORT 0

CONCLUSION



→ INSIGHT

→ EASE OF DISCUSSION