# NAMING AND BINDING of NETWORK DESTINATIONS

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M. I. T.

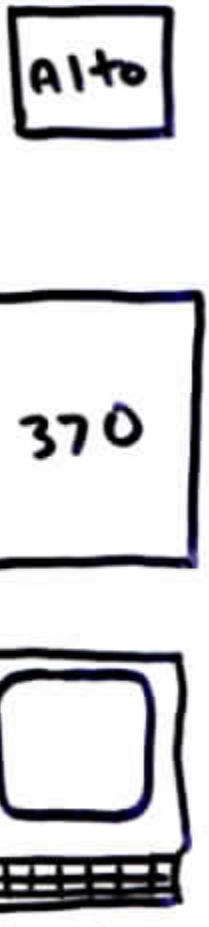
LAB. FOR COMP. SCI.

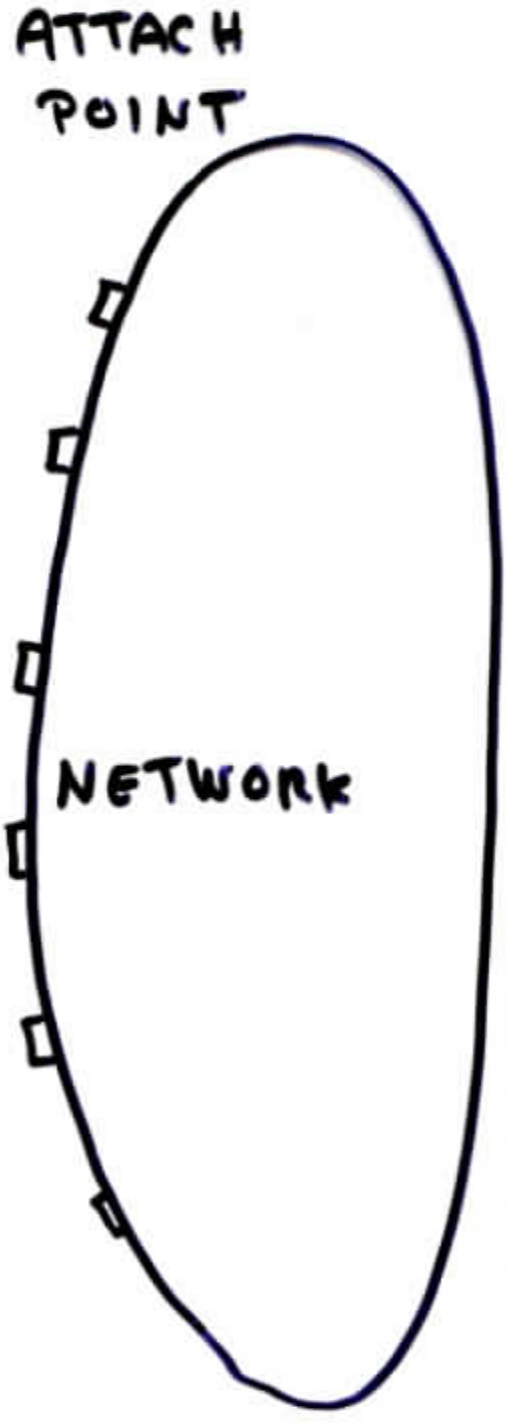
SERVICE

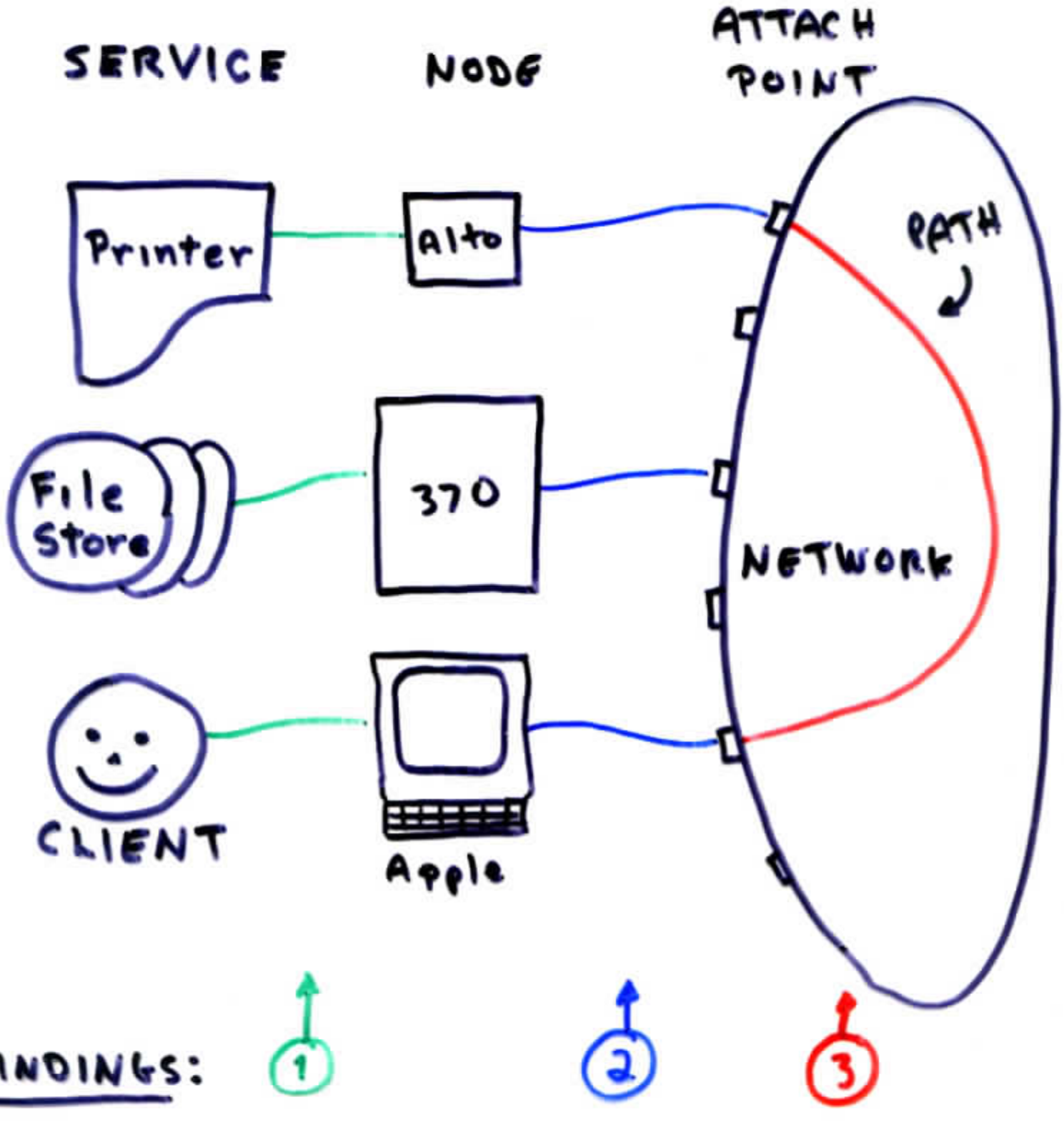


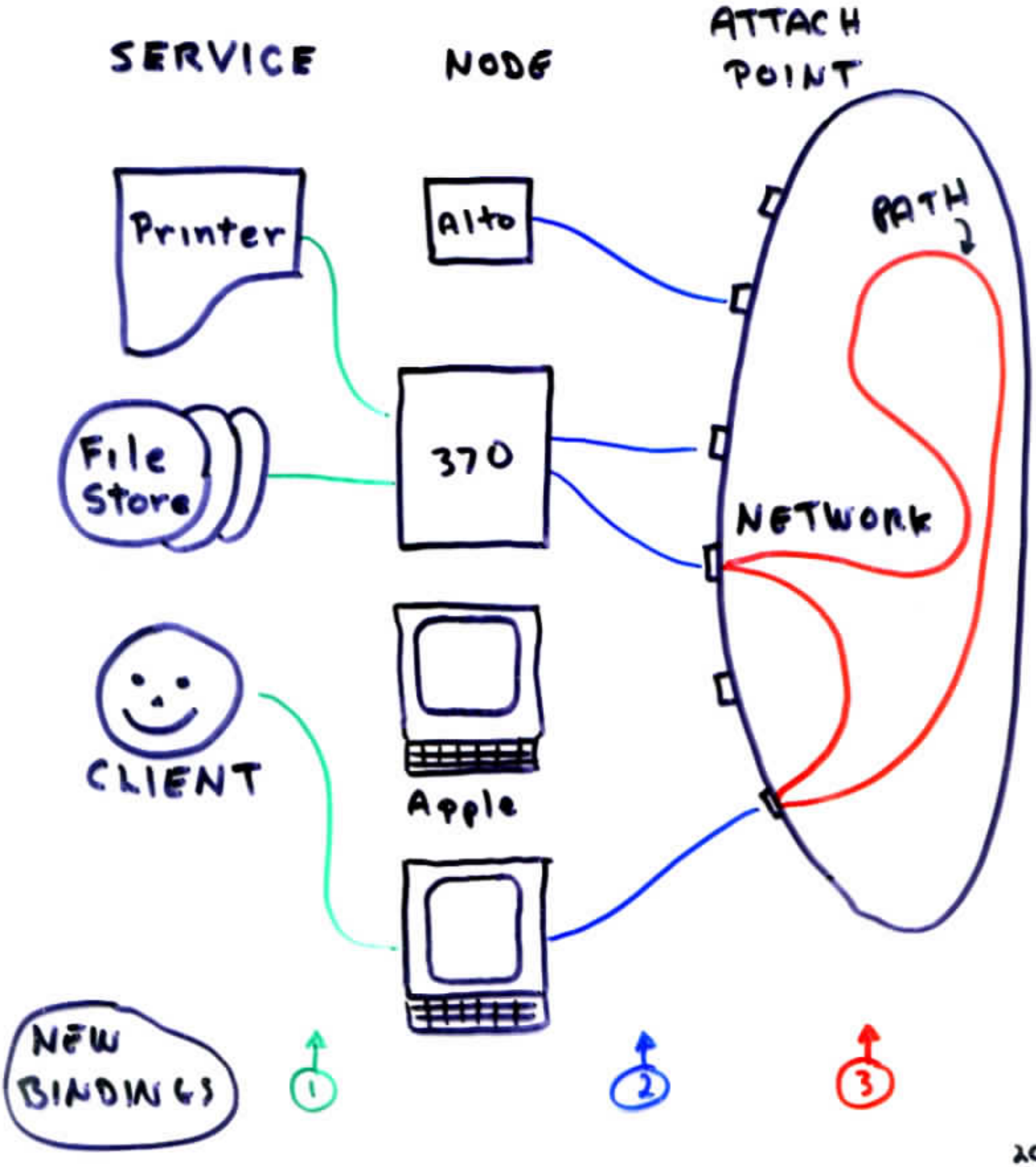
CLIENT

NODE

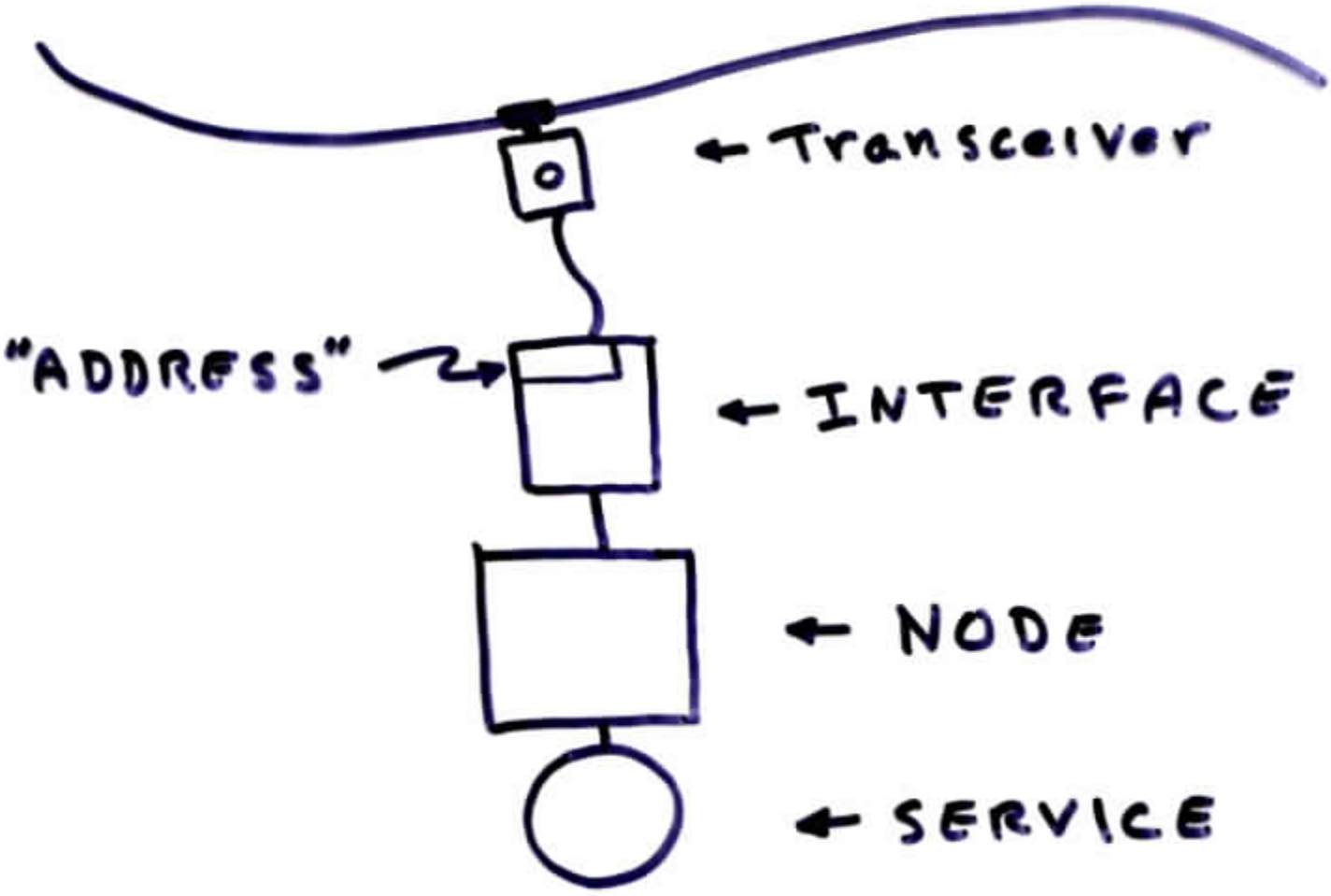



ATTACH
POINT
NETWORK

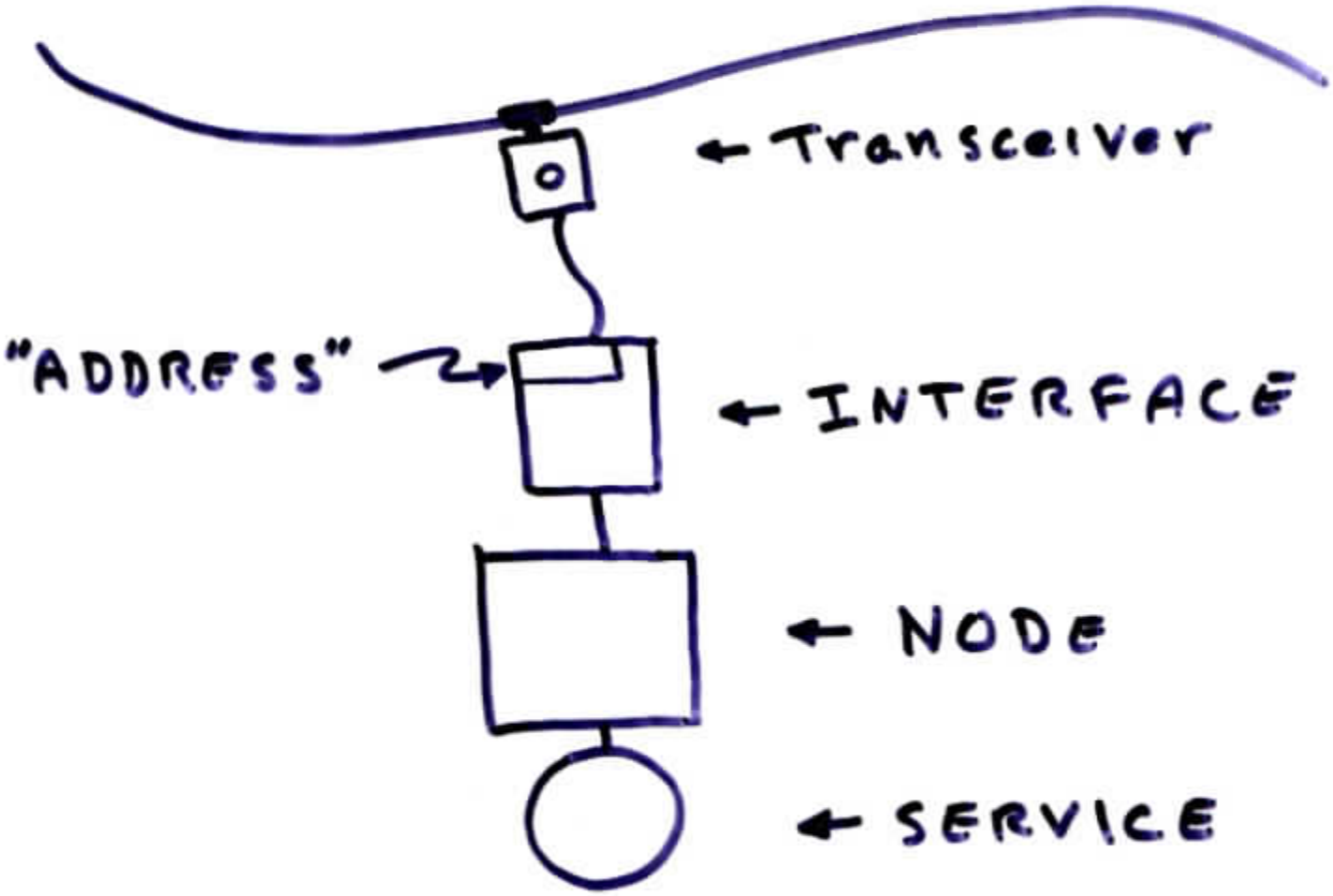

SERVICE
NODE
ATTACH POINT
Printer
Alto
PATH
File Store
370
NETWORK
CLIENT
Apple
BINDINGS:
1
2
3


SERVICE
NODE
ATTACH POINT
Printer
Alto
PATH
File Store
370
NETWORK
CLIENT
Apple
NEW BINDINGS
1
2
3

# EXAMPLE: ETHERNET



# EXAMPLE: ETHERNET

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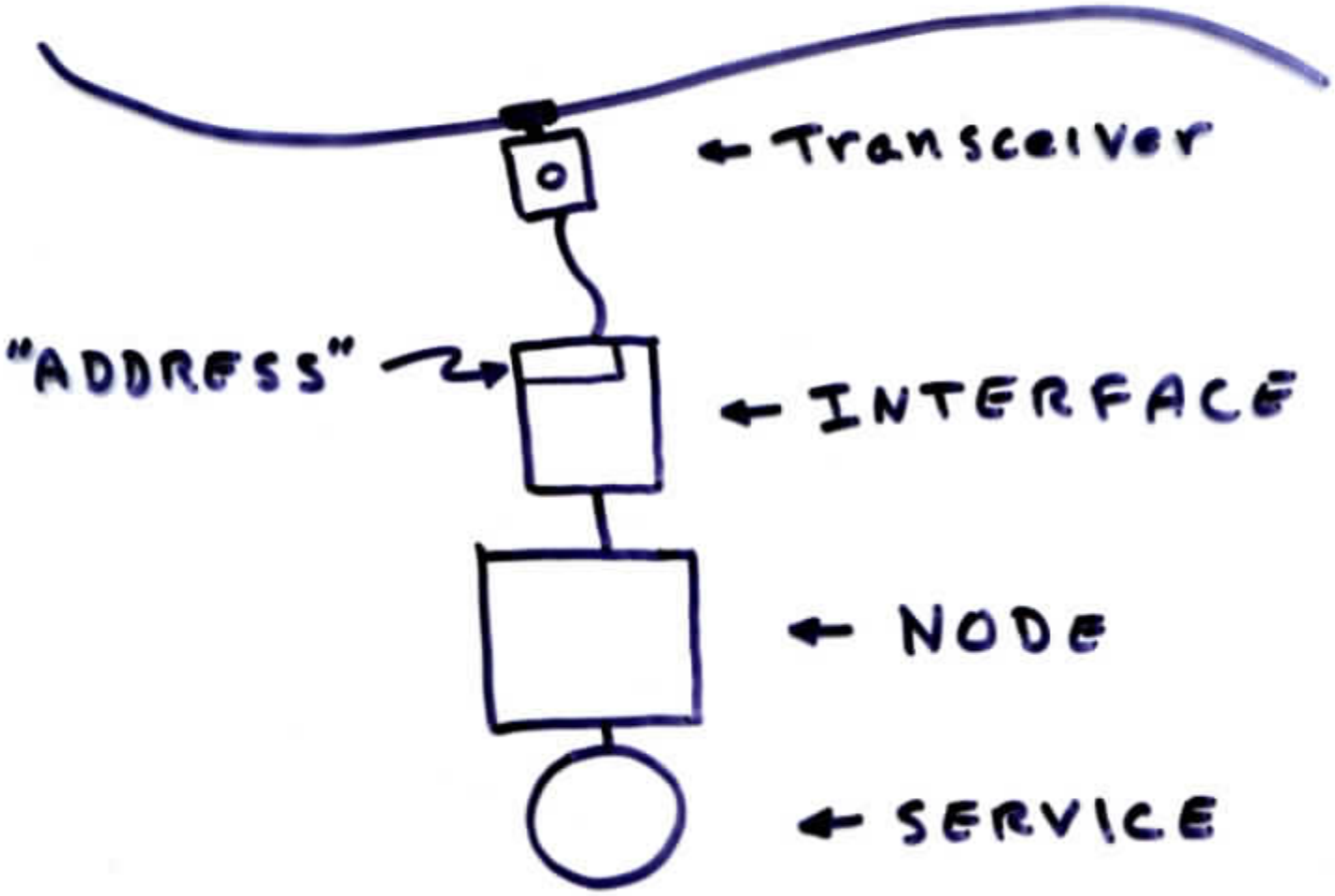
POLICY #1

"ADDRESS" ≡ NAME OF INTERFACE

(WIRE INTO INTERFACE)

# EXAMPLE: ETHERNET

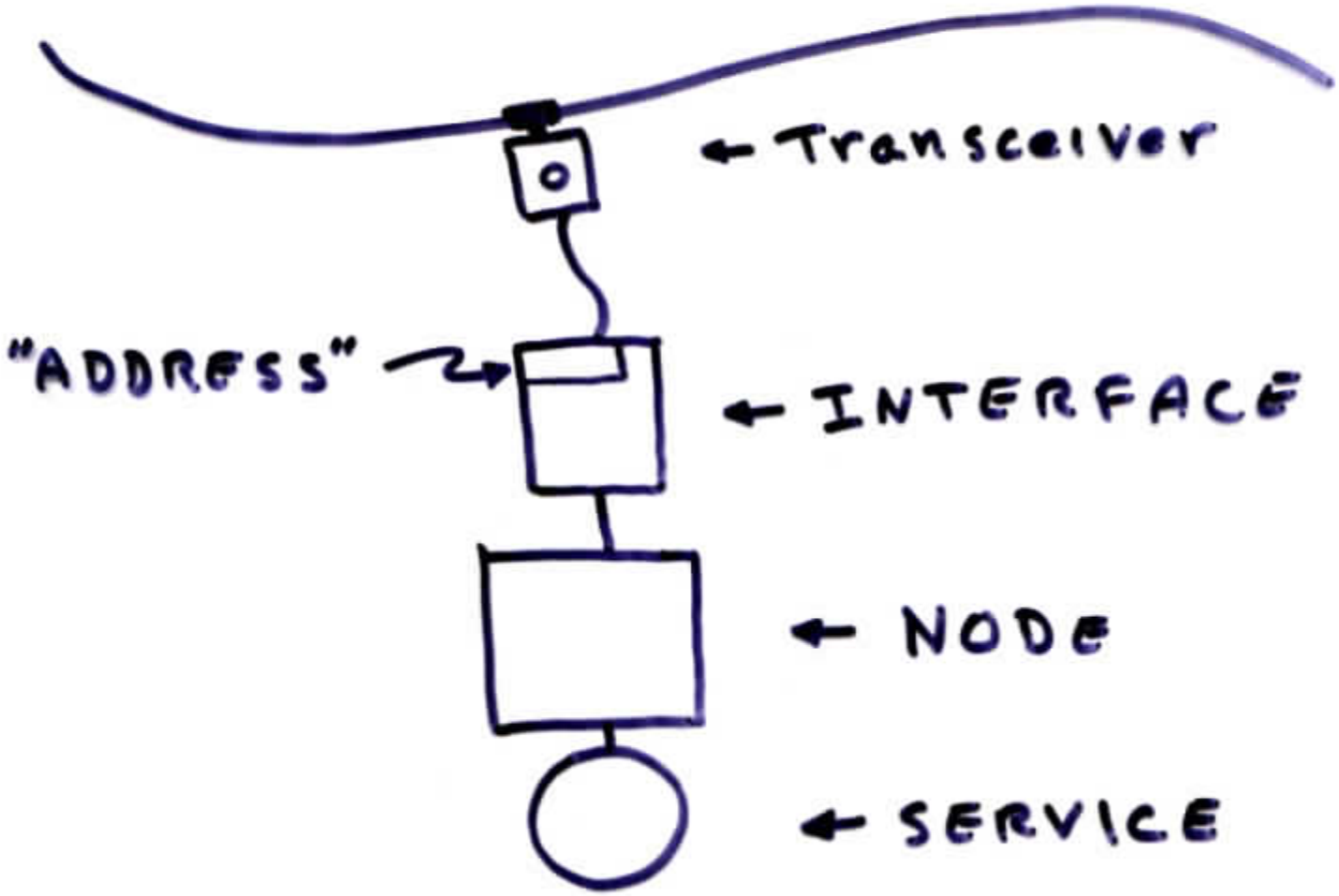



POLICY # 2 :

"ADDRESS" ≡ NAME OF NODE

(Initialize from node)

# EXAMPLE: ETHERNET

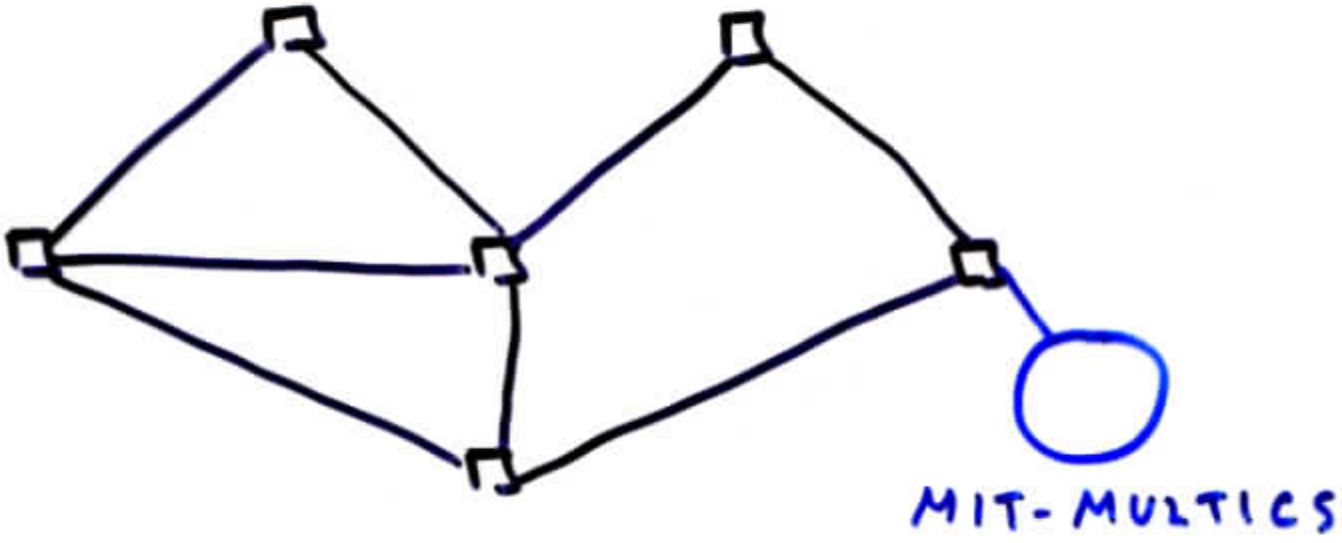



POLICY # 3:

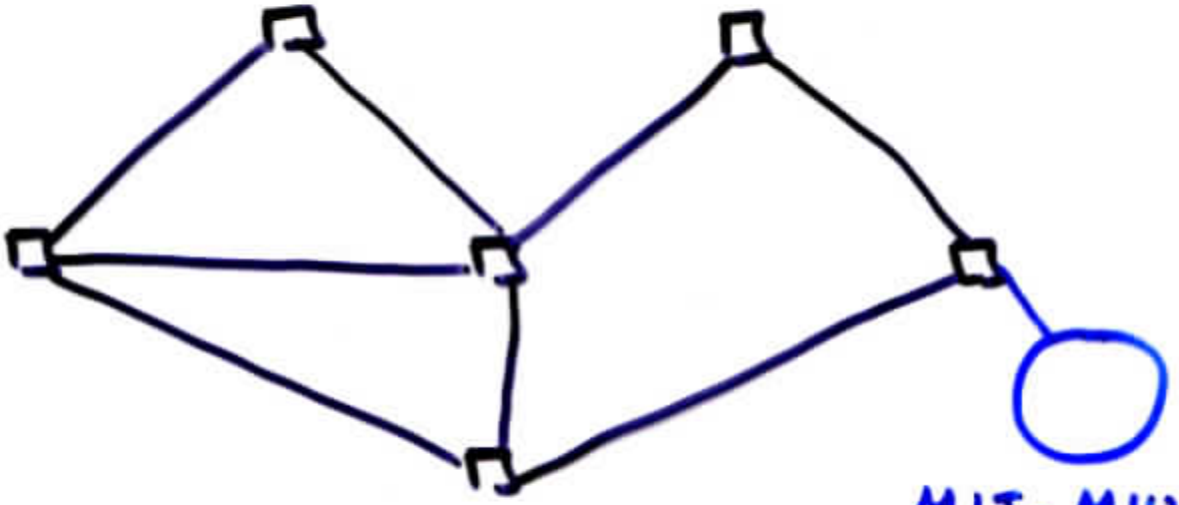
"ADDRESS" ≡ NAME OF SERVICE

(Initialize from node storage)

# ARPANET EXAMPLE

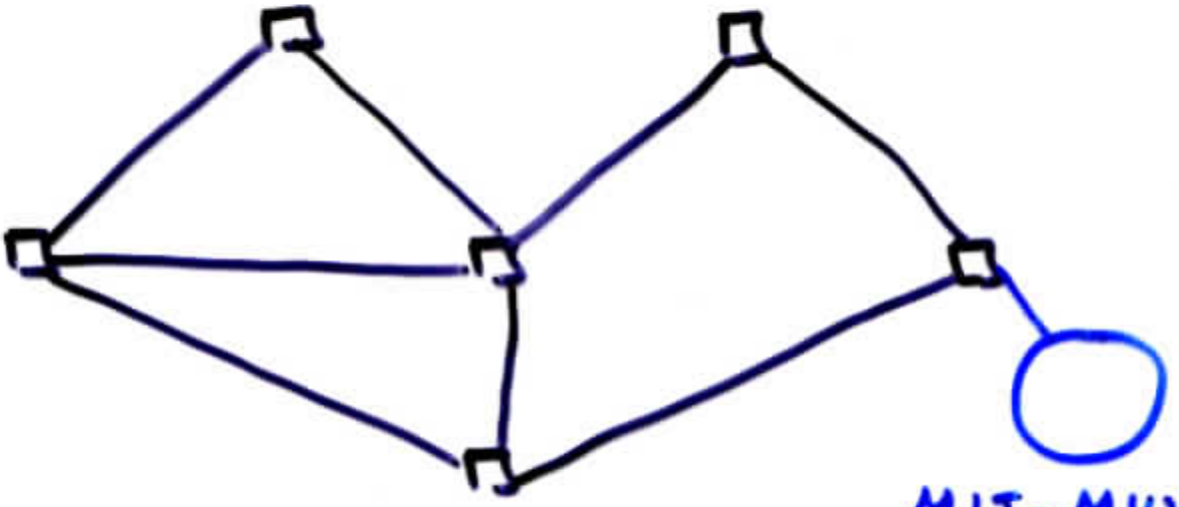


# ARPANET EXAMPLE




LOOKS LIKE NAME OF SERVICE

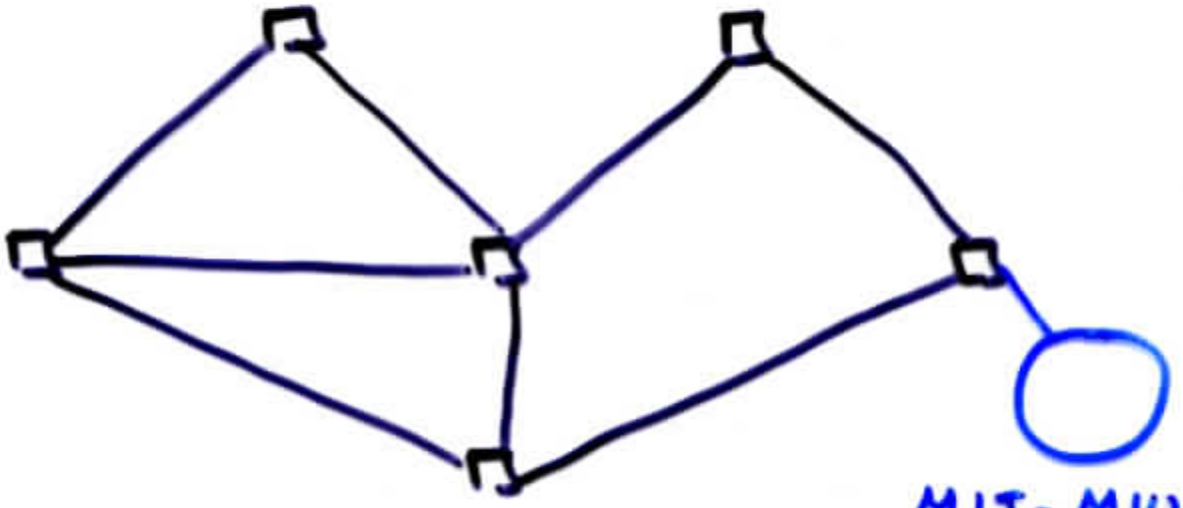
# ARPANET EXAMPLE




~~LOOKS LIKE NAME OF SERVICE~~

USED LIKE NAME OF NODE

# ARPANET EXAMPLE



MIT-MULTICS

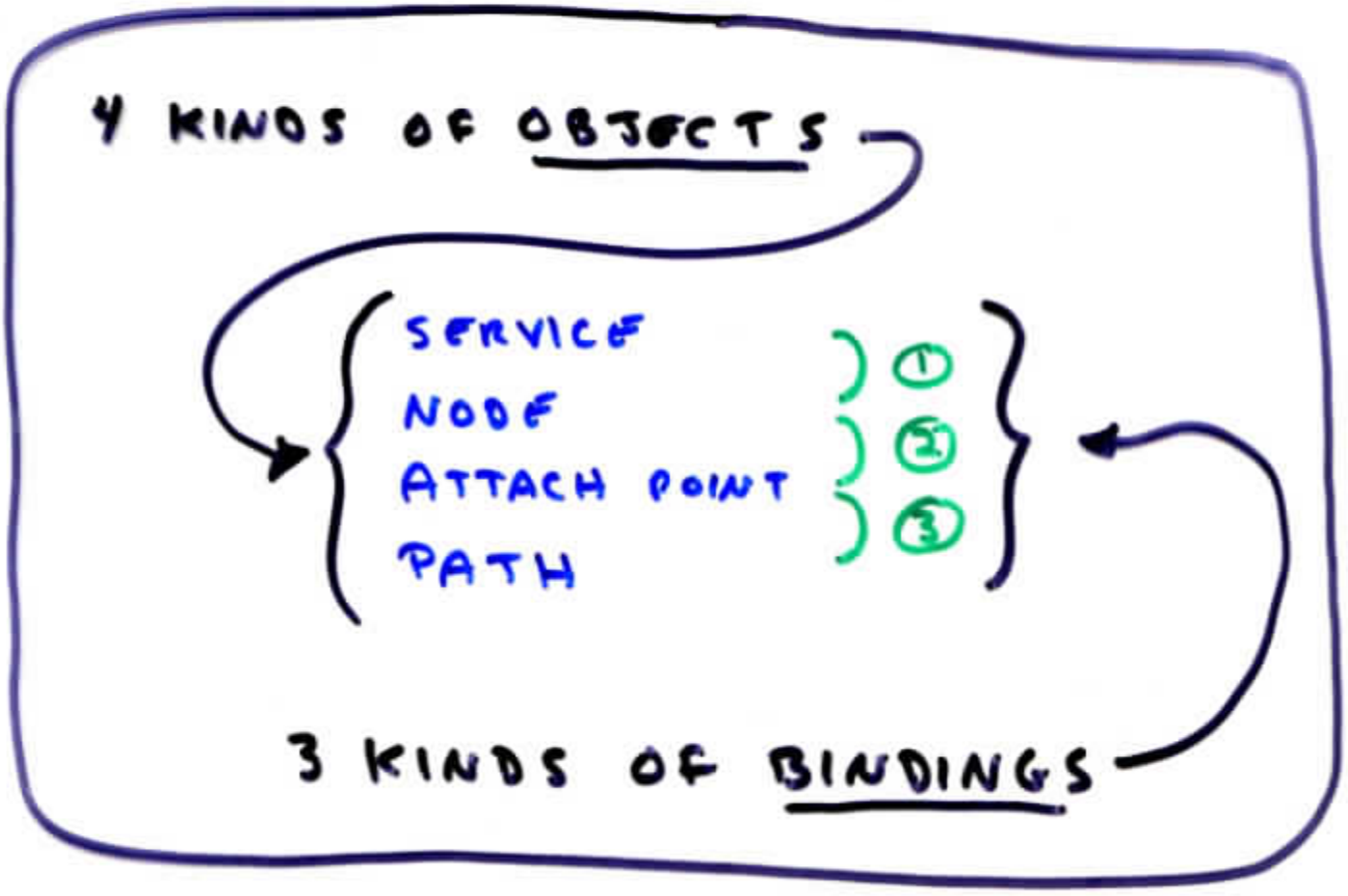
~~LOOKS LIKE NAME OF SERVICE~~

~~USED LIKE NAME OF NODE~~

IMPLEMENTED AS NAME OF ATTACH POINT

MIT-MULTICS ≡ {FORWARDING NODE 6, PORT 0}

# CONCLUSION




→ INSIGHT

→ EASE OF DISCUSSION