## [SR-ROUTER.C] Helper tunctions: - point IP - point 1P from wint 32 t ip. - point MAC from charx MAC \_ 'ip\_2-iface > return interface given the IP ob the interface - Mac 2 - iface - octur interface given MAC - find-best-voute -> Longest Preblex Match - forward-ip-packet -> Forward the IP packet if it is not distinct to the oouter. プTTL <=1 - Find hest route using LPM. - Keduce TTL by 1. -> Send ICMP - Type 1) - Update IP headers. Code O - Set IP Chleksum with 772=64 with proper 1 cmp - Set MAC soc f dest. and It chksum. -) Send packet if ARP Cache hit else

Send pkt to ARP regness Quine

OTHERS Other IP? op date ... Continued ARPCache on reat page. & Seno formard all pending IP packets Cresuot IP this ARP Reply .

DEQ ) OTHER IP? froward Forward.

## SR\_ARPCACHE\_SWEEPREDS

- Loop over all pending Requests.

LIF Sont & 5 times, Sand ARP

Else for all pending problets
on this ARP veriest,

Send 1 CMP TYPES CODE!