of Inter por uns communication anables and facilidates communication between \* Vione unes menage-passing (lipes, Socket etc) \* Different posses / Different address spaces. \* Menage pareing design decisions (1) dire of mersage @ fined or variable size 3) Marionum size of message (4) Lyo choorous or Asynchronous (3) Buffer siza: how sovery out standing @ cuhera messages are stored? (7) How is recipiont specified? (Receives Knows lisho is roading it (8) How does received know the sander's identity? (3) Replies supported? of why menage pensing muchanism & defficielt to design? 1) Processes need to woodinate

(1) Memory management - Mocation el sournouy for the keenel

3) Affects several subsystem & direct proces- h- proces correreorication \* Only supports one-word onerages (32 bits) of Menages stored with securos. Kennel side. Buffer is present at the One-monage buffer. Lynchoronous 2 tree tysters call in Mone - (non-blowing)

gend (pid, rong)

process id of securines

() send (pid, rong)

rons g = receive()

rons g = receive()

rons g = receive()

rons deer buller

(non-blocking)

k lipes synchronous in both onds. \* Messages stored in oeceiver's prouss table \* Sond toassonits mersage to specified \* Receivos bloiles until mensage auctives. \* Recodo remones enisting menage in \* Hirst meraga cemantics

sent is stored until et has received. Subsequent attoryts to sood foil. \* what should we do inside the kerenel when we call wait on terms of process state? resched weent Ready resched receive ( occeive'ns A The receives conblodes offelf only when receives receives a mersage.

Lend prhasms y (field on process table) popts = dproctab (pid ]

( bool 8 ( Non-zoro if mag

is rabid)

to pomage (buffer for menage) If there alresedy a minage in the

