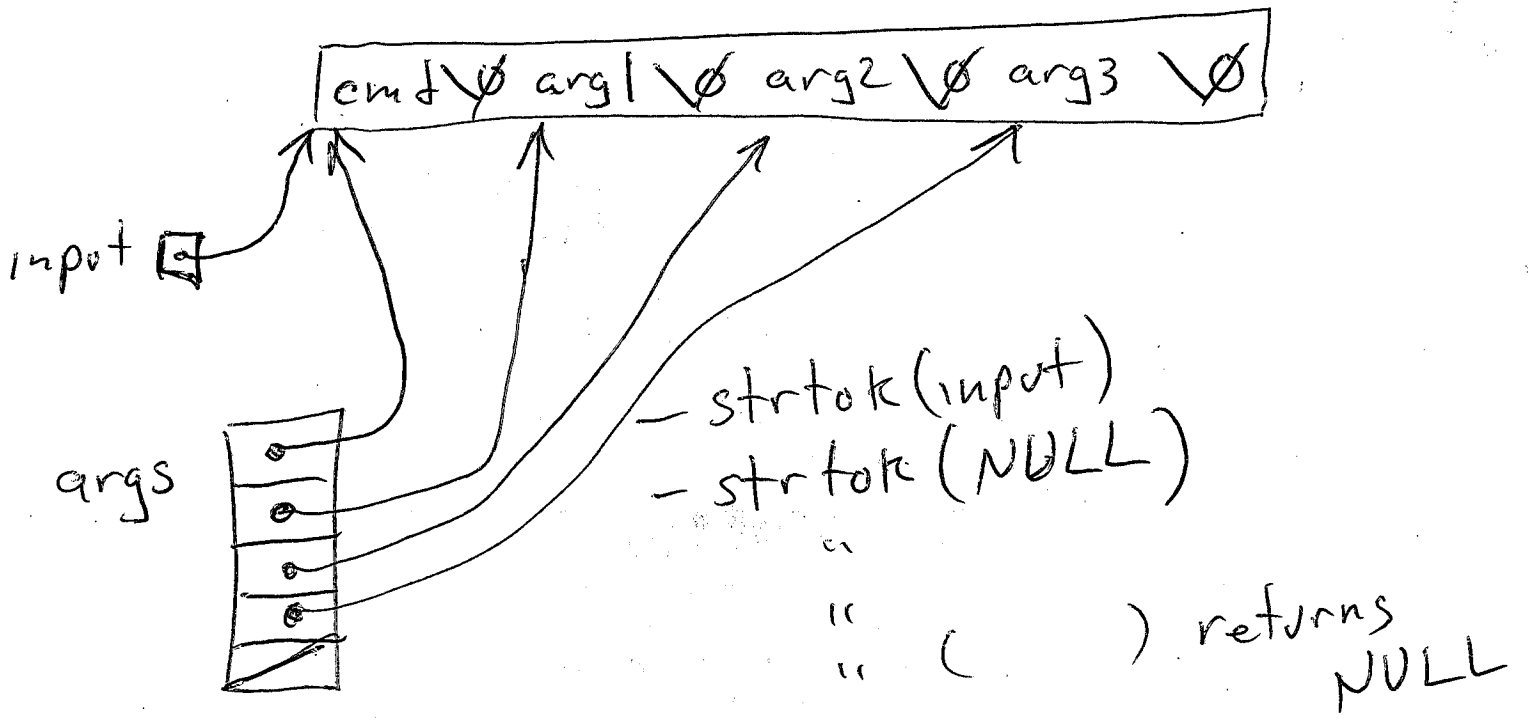


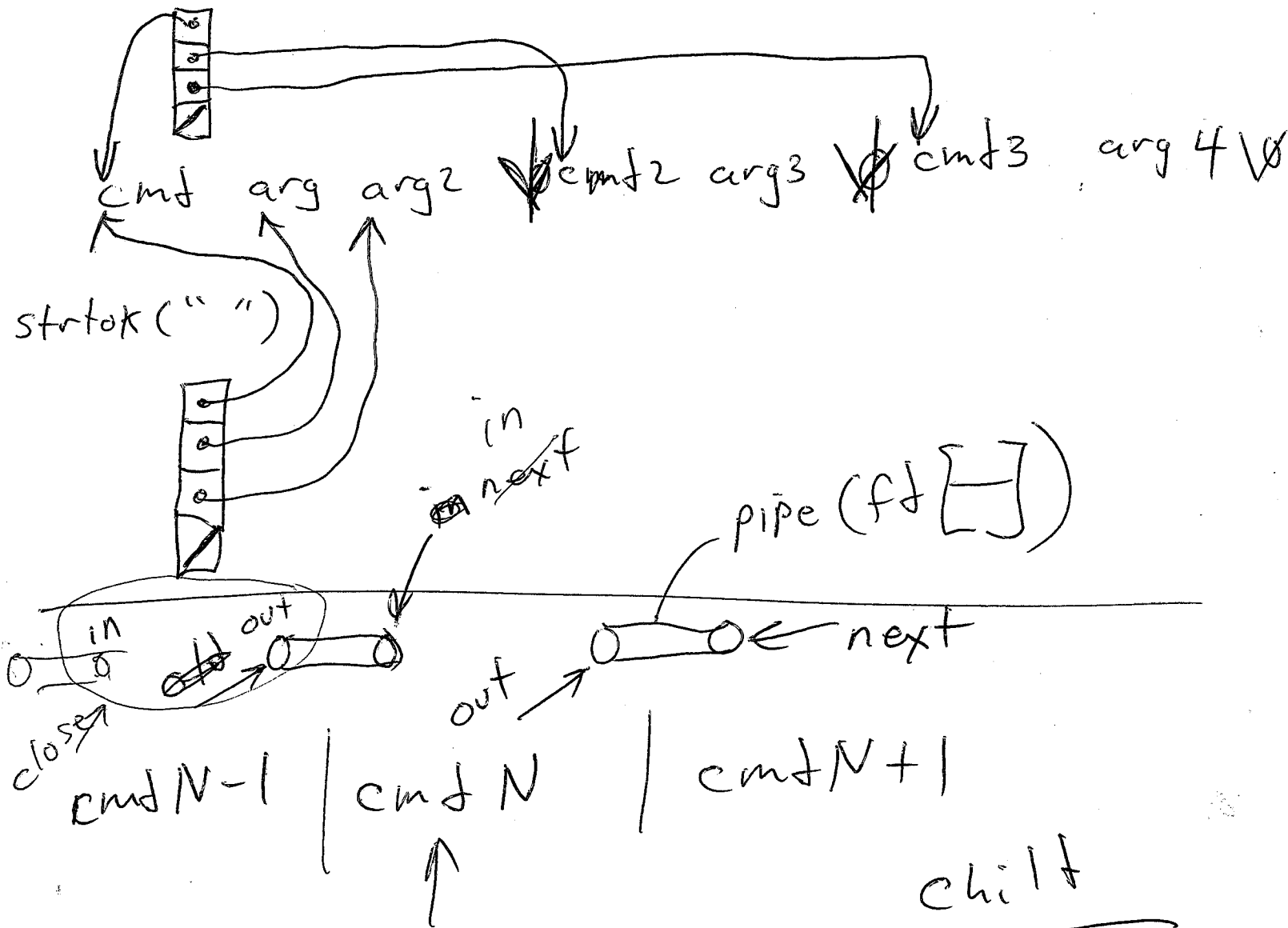
strtok(input)



execvp(argv[0], argv)

strtok(" | ")

13 Sep 11



Parent

close ~~in~~
close out

in = next

pipe (fd [])

out = fd [WRITE]

next = fd [READ]

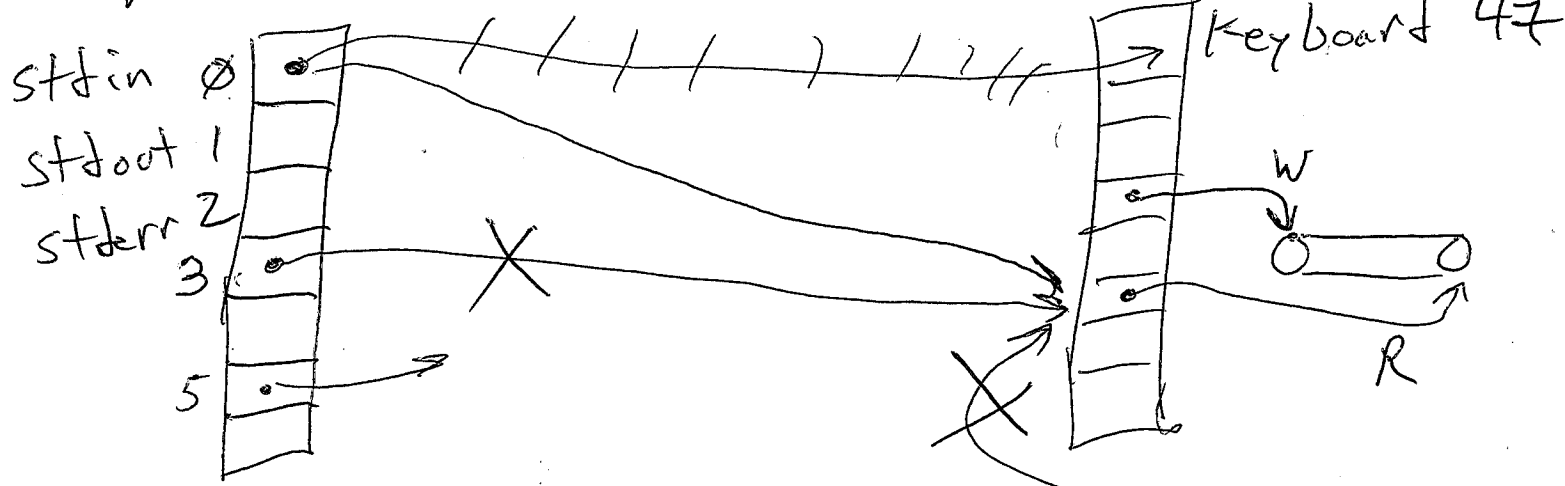
for k ← close in
close out

child
close next
fd² stdin = in
close in

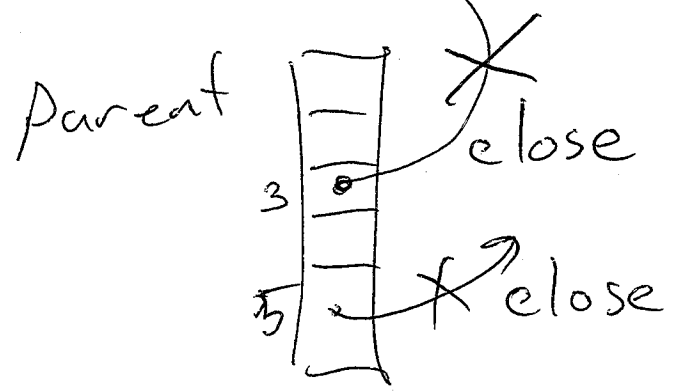
fd² stdout = out
close out
exec

dup2 (in, stdin)
child
Process File table

System File Table



pipe (fd [3, 5])
Read, write



close (in)

in, out, next = ~~NULL~~ when not used
-1

for <, use ^{in =} open (reading)

for >, out = open (writing)