

client

messages

server

user calls kernel
to send RPC
message to
procedure X

kernel sends
message to
matchmaker to
find port number

kernel places
port P in user
RPC message

kernel sends
RPC

kernel receives
reply, passes
it to user

From: client
To: server
Port: matchmaker
Re: address
for RPC X

From: server
To: client
Port: kernel
Re: RPC X
Port: P

From: client
To: server
Port: port P
<contents>

From: RPC
Port: P
To: client
Port: kernel
<output>

matchmaker
receives
message, looks
up answer

matchmaker
replies to client
with port P

daemon
listening to
port P receives
message

daemon
processes
request and
processes send
output