

--!: {remote: []}: (:smiley: } <- **Functions Library for Remote Procedure Calls** ->
muse/docs/lib/remote.md

--:neutral_face: remote: *Client and server side support for RPCs and client (player) side support for come and tail.* -> remote, _remote

--:+ **Test functions are provided for out-of-game, no network operation.**

--:# **Server Side Remote Call Operations: Protocols to Receive Muse Calls (MC), Send Muse Responses (MR)**

--:: remote.wait() -> *Setup turtle to repeatedly wait for MC network requests, send MR results.* -> **nil**

--:# **Client Side Remote Call Operations: Protocols to Send Muse Calls (MC), Receive Muse Responses (MR)**

--:: remote.call(server: ":", command: ":", arguments: any[], callback: (:smiley:?) -> *RPC:* -> **any** &:
&!

--:+ *Form serialized request table from command string and arguments. Get server ID from server name.*

--:+ *Send request to server, wait for result, return call (default remote.return) callback function to result.*

--:: remote.returns(results: any[]) -> *Default client side handling of server response: just print results as string.* -> **nil**

--:# **Turtle fetch functions: come (once) and tail (repeatedly) to player**

--:+ *Prepare remote call to server turtle by getting player xyz position and forming argument table.*

--:: remote.come(turtle: ":blush: -> *Towards GPS player position.* -> **report:** ":"

--:- come -> *Turtle towards GPS player position.*

--:: remote.tail(turtle: ":", __ : "tail", rates: ":"?) -> *_Repeatedly towards player position, default rate _G.Muse.rates.tail seconds* -> **nil**

--:- tail rate? -> *Turtle every rate seconds towards player.*