Messages are sent as bytes of the “pickled” numpy array (in which all values are saved as strings), which has the form:

# array[0, 0] = command  
# array[0, 0:] = additional parameters  
# array[1, :] = destination names  
# array[2, :] = path cost  
# array[3, :] = next addressee  
# array[4, :] = addressee address

Complete NT reset (control to each node):

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| “reset” | <receiver name> | “final” or “” | “” | “” |
| “name1” | “name2” | “name3” | “name4” | “name5” |
| <cost1> or “” | <cost1> or “” | <cost1> or “” | <cost1> or “” | <cost1> or “” |
| <next addressee>  (initialized as “” or “name1”) | <next addressee>  (initialized as “” or “name1”) | <next addressee>  (initialized as “” or “name1”) | <next addressee>  (initialized as “” or “name1”) | <next addressee>  (initialized as “” or “name1”) |
| <ip <name1>> | <ip <name2>> | <ip <name3>> | <ip <name4>> | <ip <name5>> |

Own ip is not send directly, and has to be added by peer node

Elements in message must not contain “,” or “;”

Update: node to node:

Example:

|  |
| --- |
| “update” |
| “name1” (final destination) |
| “new cost” (cost from contacting node) |

Message: Node to node:

Example:

|  |
| --- |
| “say” |
| <message> (as str) |