

<div style="text-align: center; border-bottom: 1px solid black; margin-bottom: 10px;">MODULE <i>Message</i></div> <div> EXTENDS <i>Naturals</i> CONSTANT <i>AddressSpaceSize</i>, <i>DataSpace</i> </div>
<div style="margin-top: 20px;"> $AddressSpace \triangleq \{addr \in Nat : addr < AddressSpaceSize\}$ $IsAddress(addr) \triangleq addr \in AddressSpace$ $MessageSpace \triangleq [from : AddressSpace, to : AddressSpace, data : DataSpace]$ <div style="background-color: #f0f0f0; padding: 2px; margin: 5px 0;"> $MessageSpace = MessageSpace ^2 * DataSpace$ </div> $IsMessage(msg) \triangleq msg \in MessageSpace$ </div>