

MODULE <i>AWSet</i>	
CONSTANTS	
<i>Data</i>	the set of data
<hr/>	
<i>Init</i> \triangleq ...	initial state
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<i>Send</i> (<i>r</i>) \triangleq ...	<i>r</i> ∈ <i>Replica</i> send a message
<i>Receive</i> (<i>r</i>) \triangleq ...	<i>r</i> ∈ <i>Replica</i> receive a message
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<i>Add</i> (<i>d</i> , <i>r</i>) \triangleq ...	<i>r</i> ∈ <i>Replica</i> add <i>d</i> ∈ <i>Data</i>
<i>Remove</i> (<i>d</i> , <i>r</i>) \triangleq ...	<i>r</i> ∈ <i>Replica</i> remove <i>d</i> ∈ <i>Data</i>
<hr/>	
<i>Do</i> (<i>r</i>) \triangleq	operations
$\exists d \in Data : Add(d, r) \vee Remove(d, r)$	
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<i>Next</i> \triangleq	next-state relation
$\exists r \in Replica : Receive(r) \vee Send(r) \vee Do(r)$	
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<i>Spec</i> \triangleq <i>Init</i> ∧ □[<i>Next</i>] _{vars}	specification
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