
MODULE *MemoryInterface*

VARIABLE *memInt*

CONSTANTS *Send*(-, -, -, -),
 Reply(-, -, -, -),
 InitMemInt,
 Proc,
 Adr,
 Val

We comment out the assumption because *TLC* cannot handle unbounded quantifiers.

ASSUME $\forall p, d, miOld, miNew :$
 $\wedge Send(p, d, miOld, miNew) \in \text{BOOLEAN}$
 $\wedge Reply(p, d, miOld, miNew) \in \text{BOOLEAN}$

$MReq \triangleq [op : \{ \text{"Rd"} \}, adr : Adr]$
 $\cup [op : \{ \text{"Wr"} \}, adr : Adr, val : Val]$

$NoVal \triangleq \text{CHOOSE } v : v \notin Val$
