

IRISA

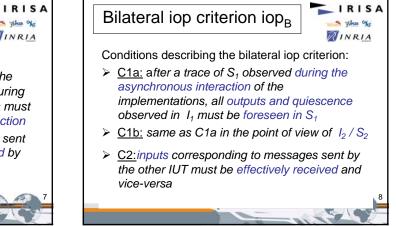
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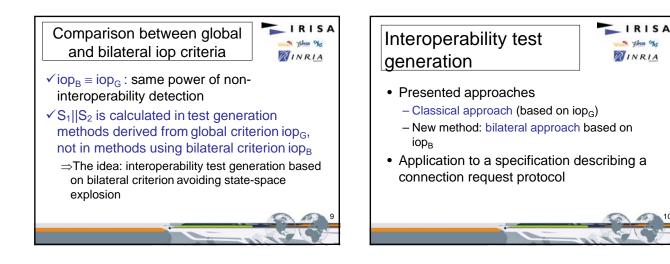
Global iop criterion iop_G

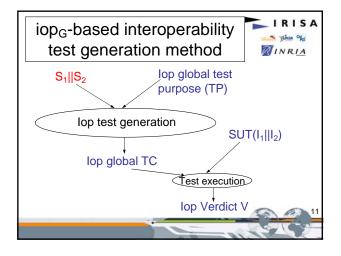
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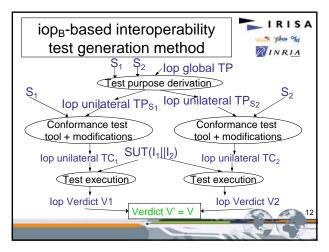
Two conditions in the criterion:

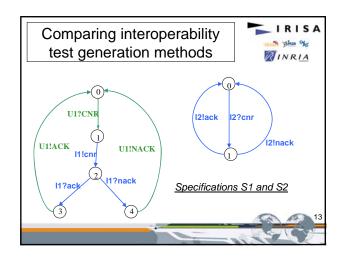
- > C1: after a trace of the interaction of the specifications, all outputs observed during the interaction of the implementations must be foreseen in the specification interaction
- > <u>C2: inputs corresponding to messages sent</u> by one IUT must be effectively received by the other

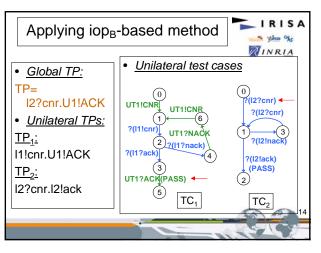


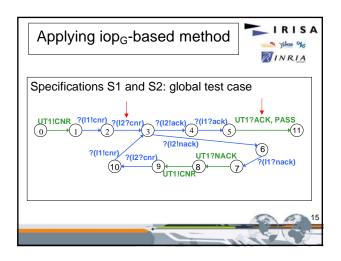


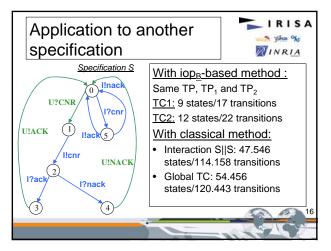












Conclusion

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- Equivalence between global and bilateral methods based on global iop criterion and bilateral iop criterion
- Equivalence confirmed by experimentations
- Bilateral method avoids state-space explosion problem
- Future work: generalization to a context with N interacting implementations