Unspecified Veriopt Theory

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Contents

theory *ASE2021*
  imports
    Tests.UnitTesting
    Graph.Values
begin

notation (*latex*)
  kind (-⟪-⟫)

intval-mod (*IntVal b1.0 v1.0*) (*IntVal b2.0 v2.0*) =
(*if b1.0 ≤ 32 ∧ b2.0 ≤ 32*
 then *IntVal 32* (*sint* (*word-of-int* (*v1.0 smod v2.0*)))
 else *IntVal 64* (*sint* (*word-of-int* (*v1.0 smod v2.0*))))

eval:rem

moduloSnippet =
irgraph
 [(*0, StartNode* (*Some 3*) *4, VoidStamp*),
  (*1, ParameterNode 0, IntegerStamp 32* (− *2147483648*) *2147483647*),
  (*2, ParameterNode 1, IntegerStamp 32* (− *2147483648*) *2147483647*),
  (*3, FrameState* [] *None* (*Some* [*1, 2*]) *None, IllegalStamp*),
  (*4, SignedRemNode 4 1 2 None None 5,*
   IntegerStamp 32 (− *2147483647*) *2147483647*),
  (*5, ReturnNode* (*Some 4*) *None, VoidStamp*)]

static-test moduloSnippet [(*IntVal 32* (*1*)), (*Intval 32* (−*2147483648*))] (*IntVal 32* (*1*))

end