Unspecified Veriopt Theory

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Contents

```
theory ASE2021
 imports
   Tests. Unit Testing
   Graph.\ Values
begin
notation (latex)
 kind (-\langle - \rangle)
Int Val \ b1.0 \ v1.0 \% * Int Val \ b2.0 \ v2.0 =
(if \ b1.0 \le 32 \land b2.0 \le 32
 then IntVal\ 32\ (sint\ (word\mbox{-}of\mbox{-}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)]
```

 $static-test\ moduloSnippet\ [(IntVal\ 32\ (1)),\ (Intval\ 32\ (-2147483648))]\ (IntVal\ 32\ (1))$

 \mathbf{end}