

File created: 23-Apr-86 16:27:13 {POGO:PARC:XEROX}<LOOPS>TESTER>LTPUTMETHODTEST.;3

changes to: (VARS LTPutMethodTestInstances)

previous date: 21-Apr-86 14:08:00 {POGO:PARC:XEROX}<LOOPS>TESTER>LTPUTMETHODTEST.;2

Read Table: OLD-INTERLISP-FILE

Package: INTERLISP

Format: XCCS

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```
(RPAQQ LTPUTMETHODTESTCOMS ((* File created by MITTAL)
  (* Database of Test Instances for Put and GetMethod tests)
  (CLASSES)
  (METHODS)
  (FNS)
  (VARS)
  (INSTANCES * LTPutMethodTestInstances)))
```

(\* \* File created by MITTAL)

(\* \* Database of Test Instances for Put and GetMethod tests)

(DEFCLASSES)

```
(RPAQQ LTPutMethodTestInstances (LTFGetMethod LTFPutMethod LTP49 LTP48 LTP52 LTP51 LTP73 LTP68 LTP50 LTP74 LTP72
  LTP71 LTP65 LTP47))
```

```
(DEFINST LOOPSTestLispFunc (LTFGetMethod "OER@@E >")
  (name #. ($A LTFGetMethod NIL RememberName))
  (TestDesc "GetMethod: local selector")
  [TestExpr (AND (EQUAL (GetMethod ($ LOOPSTestClassL1)
    (QUOTE M1))
    (QUOTE LOOPSTestClassL1.M1))
    (EQUAL (GetMethod ($ LOOPSTestClassL1)
    (QUOTE M3))
    (QUOTE LOOPSTestClassL1.M3)]
  (SubTest #. ($A (LTP73 LTP69 LTP68 LTP67)
    NIL MakeBackLink)
    Tested? #.NotSetValue)
  (PreTest #.NotSetValue Tested? T)
  (AltTest #.NotSetValue Tested? #.NotSetValue)
  (SyntaxTest #.NotSetValue Tested? #.NotSetValue)
  (UsesObj #. ($A (LOOPSTestClassL1)
    NIL AllowRemove))
  (LispName GetMethod))
```

```
(DEFINST LOOPSTestLispFunc (LTFPutMethod "OER@@E ?")
  (name #. ($A LTFPutMethod NIL RememberName))
  (TestDesc "PutMethod: selector")
  (SetUp (PutMethod ($ LOOPSTestClass3)
    (QUOTE PM1)
    (QUOTE LOOPSTestClass3.PM1)))
  [TestExpr (FMEMB (QUOTE LOOPSTestClass3.PM1)
    (CalledFns (QUOTE (LOOPSTestClass3)
    (ResetExp (SEND ($ LOOPSTestClass3)
    Delete
    (QUOTE Method)
    (QUOTE PM1)))
  (SubTest #. ($A (LTP52 LTP51 LTP49 LTP48)
    NIL MakeBackLink)
    Tested? #.NotSetValue)
  (PreTest #. ($A (LTFCalledFns)
    NIL MakeBackLink)
    Tested? T)
  (AltTest #.NotSetValue Tested? #.NotSetValue)
  (SyntaxTest #.NotSetValue Tested? #.NotSetValue)
  (UsesObj #. ($A (LOOPSTestClass3)
    NIL AllowRemove))
  (LispName PutMethod))
```

```
(DEFINST LOOPSTestPrimitive (LTP49 "OYR@@E0")
  (name #. ($A LTP49 NIL RememberName))
  (TestDesc "PutMethod: prop")
  (SetUp (PutMethod ($ LOOPSTestClass3)
    (QUOTE PM1)
    (QUOTE LTP49)
    (QUOTE Prop1)))
  (TestExpr (EQUAL (GetMethod ($ LOOPSTestClass3)
    (QUOTE PM1)
    (QUOTE Prop1))
    (QUOTE LTP49)))
  (ResetExp (SEND ($ LOOPSTestClass3)
```

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Delete
  (QUOTE Method)
  (QUOTE PM1)
  (QUOTE Prop1)))
(PreTest #. ($A (LTFGetMethod)
  BuildPreTest MakeBackLink)
  Tested? T)
(UsesObj #. ($A (LOOPSTestClass3)
  NIL AllowRemove))
(SubTestOf #. ($A (LTFPutMethod)
  NIL MakeBackLink)))

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(DEFINST LOOPSTestPrimitive (LTP48 "OYR@eEú")
  (name #. ($A LTP48 NIL RememberName))
  (TestDesc "PutMethod: local selector over inherited")
  (SetUp (PutMethod ($ LOOPSTestClass3)
    (QUOTE PM2)
    (QUOTE LOOPSTestClass3.PM2)))
  [TestExpr (AND (EQUAL (GetMethod ($ LOOPSTestClass3)
    (QUOTE PM2))
    (QUOTE LOOPSTestClass3.PM2))
    (EQUAL (GetMethod ($ LOOPSTestCases)
    (QUOTE PM2))
    (QUOTE LOOPSTestCases.PM2]
  (SubTest #. ($A (LTP50)
    NIL MakeBackLink))
  (PreTest #. ($A (LTFGetMethod)
    BuildPreTest MakeBackLink)
    Tested? T)
  (UsesObj #. ($A (LOOPSTestCases LOOPSTestClass3)
    NIL AllowRemove))
  (SubTestOf #. ($A (LTFPutMethod)
    NIL MakeBackLink)))

```

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(DEFINST LOOPSTestPrimitive (LTP52 "OYR@eEÿ")
  (name #. ($A LTP52 NIL RememberName))
  (TestDesc "PutMethod: inherited prop, local selector")
  (SetUp (PutMethod ($ LOOPSTestClass3)
    (QUOTE PM3)
    (QUOTE LTP52)
    (QUOTE Prop1)))
  [TestExpr (AND (EQUAL (GetMethod ($ LOOPSTestClass3)
    (QUOTE PM3)
    (QUOTE Prop1))
    (QUOTE LTP52))
    (EQUAL (GetMethod ($ LOOPSTestCases)
    (QUOTE PM3)
    (QUOTE Prop1))
    (QUOTE LTC]
  [ResetExp (PROGN (PutMethod ($ LOOPSTestCases)
    (QUOTE PM3)
    (QUOTE LTC)
    (QUOTE Prop1))
    (SEND ($ LOOPSTestClass3)
      Delete
      (QUOTE Method)
      (QUOTE PM3)
      (QUOTE Prop1]
  (PreTest #. ($A (LTFGetMethod)
    BuildPreTest MakeBackLink)
    Tested? T)
  (UsesObj #. ($A (LOOPSTestClass3 LOOPSTestCases)
    NIL AllowRemove))
  (SubTestOf #. ($A (LTFPutMethod)
    NIL MakeBackLink)))

```

```

(DEFINST LOOPSTestPrimitive (LTP51 "OYR@eEü")
  (name #. ($A LTP51 NIL RememberName))
  (TestDesc "PutMethod: inherited selector")
  (SetUp (PutMethod ($ LOOPSTestClass3)
    (QUOTE PM4)
    (QUOTE LOOPSTestClass3.PM4)))
  [TestExpr (AND (EQUAL (GetMethod ($ LOOPSTestClass3)
    (QUOTE PM4))
    (QUOTE LOOPSTestClass3.PM4))
    (EQUAL (GetMethod ($ LOOPSTestCases)
    (QUOTE PM4))
    (QUOTE LOOPSTestCases.PM4]
  [ResetExp (PROGN (SEND ($ LOOPSTestClass3)
    Delete
    (QUOTE Method)
    (QUOTE PM4))
    (PutMethod ($ LOOPSTestCases)
    (QUOTE PM4)
    (QUOTE LOOPSTestCases.PM4]
  (SubTest #.NotSetValue Tested? #.NotSetValue)
  (PreTest #. ($A (LTFGetMethod)

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        BuildPreTest MakeBackLink)
      Tested? T)
    (AltTest #.NotSetValue Tested? #.NotSetValue)
    (SyntaxTest #.NotSetValue Tested? #.NotSetValue)
    (UsesObj #. ($A (LOOPSTestClass3 LOOPSTestCases)
      NIL AllowRemove))
    (SubTestOf #. ($A (LTFPutMethod)
      NIL MakeBackLink)))

(DEFINST LOOPSTestPrimitive (LTP73 "O\R@[\'q")
  (name #. ($A LTP73 NIL RememberName))
  (TestDesc "GetMethod: newly added selector to super class")
  (SetUp (SEND ($ LOOPSTestCases)
    Add
    (QUOTE Method)
    (QUOTE GM5)
    (QUOTE LOOPSTestCases.GM5)))
  (TestExpr (EQUAL (GetMethod ($ LOOPSTestClassL1)
    (QUOTE GM5))
    (QUOTE LOOPSTestCases.GM5)))
  (ResetExp (SEND ($ LOOPSTestCases)
    Delete
    (QUOTE Method)
    (QUOTE GM5)))
  (SubTest #. ($A (LTP74)
    NIL MakeBackLink))
  (PreTest #. ($A (LTMAdd)
    BuildPreTest MakeBackLink)
    Tested? T)
  (UsesObj #. ($A (LOOPSTestClassL1 LOOPSTestCases)
    NIL AllowRemove))
  (SubTestOf #. ($A (LTFGetMethod)
    NIL MakeBackLink)))

(DEFINST LOOPSTestPrimitive (LTP68 "O\R@[\'l")
  (name #. ($A LTP68 NIL RememberName))
  (TestDesc "GetMethod: prop")
  (TestExpr (AND (EQUAL (GetMethod ($ LOOPSTestClassL1)
    (QUOTE M1)
    (QUOTE Prop1))
    T)
    (EQUAL (GetMethod ($ LOOPSTestClassL1)
    (QUOTE M1)
    (QUOTE args))
    NIL)))
  (SubTest #. ($A (LTP72 LTP71 LTP70)
    NIL MakeBackLink))
  (PreTest #.NotSetValue Tested? T)
  (UsesObj #. ($A (LOOPSTestClassL1)
    NIL AllowRemove))
  (SubTestOf #. ($A (LTFGetMethod)
    NIL MakeBackLink)))

(DEFINST LOOPSTestPrimitive (LTP50 "OYR@EÜ")
  (name #. ($A LTP50 NIL RememberName))
  (TestDesc "PutMethod: local prop over inherited")
  (SetUp (PutMethod ($ LOOPSTestClass3)
    (QUOTE PM2)
    (QUOTE LTP50)
    (QUOTE Prop1)))
  [TestExpr (AND (EQUAL (GetMethod ($ LOOPSTestClass3)
    (QUOTE PM2)
    (QUOTE Prop1))
    (QUOTE LTP50))
    (EQUAL (GetMethod ($ LOOPSTestCases)
    (QUOTE PM2)
    (QUOTE Prop1))
    (QUOTE LTC]
  (PreTest #.NotSetValue Tested? T)
  (UsesObj #. ($A (LOOPSTestClass3 LOOPSTestCases)
    NIL AllowRemove))
  (SubTestOf #. ($A (LTP48)
    NIL MakeBackLink)))

(DEFINST LOOPSTestPrimitive (LTP74 "O\R@[\'r")
  (name #. ($A LTP74 NIL RememberName))
  (TestDesc "GetMethod: newly added prop to super class")
  (SetUp (SEND ($ LOOPSTestCases)
    Add
    (QUOTE Method)
    (QUOTE GM5)
    (QUOTE LTC)
    (QUOTE Prop1)))
  (TestExpr (EQUAL (GetMethod ($ LOOPSTestClassL1)
    (QUOTE GM5)
    (QUOTE Prop1))
    (QUOTE LTC)))

```

```

(ResetExp (SEND ($ LOOPSTestCases)
              Delete
              (QUOTE Method)
              (QUOTE GM5)
              (QUOTE Prop1)))
(PreTest #.NotSetValue Tested? T)
(UsesObj #. ($A (LOOPSTestClassL1 LOOPSTestCases)
                NIL AllowRemove))
(SubTestOf #. ($A (LTP73)
                  NIL MakeBackLink)))

(DEFINST LOOPSTestPrimitive (LTP72 "O\R@@[`p")
  (name #. ($A LTP72 NIL RememberName))
  (TestDesc "GetMethod: local prop over inherited")
  (TestExpr (EQUAL (GetMethod ($ LOOPSTestClassL1)
                             (QUOTE M2)
                             (QUOTE Prop2))
                  T))
  (PreTest #.NotSetValue Tested? T)
  (UsesObj #. ($A (LOOPSTestCases LOOPSTestClassL1)
                  NIL AllowRemove))
  (SubTestOf #. ($A (LTP68)
                    NIL MakeBackLink)))

(DEFINST LOOPSTestPrimitive (LTP71 "O\R@@[`o")
  (name #. ($A LTP71 NIL RememberName))
  (TestDesc "GetMethod: local selector, inherited prop")
  (TestExpr (EQUAL (GetMethod ($ LOOPSTestClassL1)
                             (QUOTE M2)
                             (QUOTE Prop1))
                  (QUOTE LTC)))
  (PreTest #.NotSetValue Tested? T)
  (UsesObj #. ($A (LOOPSTestClassL1 LOOPSTestCases)
                  NIL AllowRemove))
  (SubTestOf #. ($A (LTP68)
                    NIL MakeBackLink)))

(DEFINST LOOPSTestPrimitive (LTP65 "O\R@@[` ")
  (name #. ($A LTP65 NIL RememberName))
  (TestDesc "List in CLASS: Method props")
  [TestExpr (AND [EQUAL (QUOTE (Prop1 args doc))
                      (INTERSECTION (QUOTE (Prop1 args doc))
                                     (SEND ($ LOOPSTestClassL1)
                                           List
                                           (QUOTE Method)
                                           (QUOTE M1])
                                     (EQUAL (QUOTE (args doc))
                                           (INTERSECTION (QUOTE (args doc))
                                                         (SEND ($ LOOPSTestClassL1)
                                                               List
                                                               (QUOTE Method)
                                                               (QUOTE M3])
                                                         (QUOTE M3])
                                     (QUOTE M3])
                      (SubTest #.NotSetValue Tested? #.NotSetValue)
                      (PreTest #.NotSetValue Tested? T)
                      (AltTest #.NotSetValue Tested? #.NotSetValue)
                      (SyntaxTest #.NotSetValue Tested? #.NotSetValue)
                      (UsesObj #. ($A (LOOPSTestClassL1)
                                      NIL AllowRemove))
                      (SubTestOf #. ($A (LTP63)
                                        NIL MakeBackLink)))

(DEFINST LOOPSTestPrimitive (LTP47 "OVR@@AÉÄ")
  (name #. ($A LTP47 NIL RememberName))
  (TestDesc "Delete in CLASS: prop of method")
  [SetUp (PROGN (SEND ($ LOOPSTestClass5)
                    Delete
                    (QUOTE Method)
                    (QUOTE DM2)
                    (QUOTE Prop1))
              (SETQ LTV3 (SEND ($ LOOPSTestClass5)
                              List
                              (QUOTE Method)
                              (QUOTE DM2])
                            (TestExpr (AND (ATEST (NOT (FMEMB (QUOTE Prop1)
                                                         LTV3))
                                         "deleted property is no longer there")
              (ATEST (FMEMB (QUOTE doc)
                            LTV3)
                    "other properties were not deleted"))))
  [ResetExp (PROGN (SEND ($ LOOPSTestClass5)
                        Add
                        (QUOTE Method)
                        (QUOTE DM2)
                        NIL
                        (QUOTE Prop1))
                  (SEND ($ LOOPSTestClass5)
                        Add

```

```
(QUOTE Method)
(QUOTE DM2)
(QUOTE (* used by LTP47))
(QUOTE doc]
(SubTest #.NotSetValue Tested? #.NotSetValue)
(PreTest #.NotSetValue Tested? T)
(AltTest #.NotSetValue Tested? #.NotSetValue)
(SyntaxTest #.NotSetValue Tested? #.NotSetValue)
(UsesObj #. ($A (LOOPSTestClass5)
              NIL AllowRemove))
(SubTestOf #. ($A (LTP43)
                  NIL MakeBackLink))
```

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**VARIABLE INDEX**

LTPutMethodTestInstances .....1

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