

File created: 3-Mar-87 12:08:18 {DANTE}<MARTIN>LOOPS>RULES>LOOPSRULESBACKWARDS.;2

changes to: (FNS ConvertRuleSets)

previous date: 2-Mar-87 13:50:37 {DANTE}<MARTIN>LOOPS>RULES>LOOPSRULESBACKWARDS.;1

Read Table: OLD-INTERLISP-FILE

Package: INTERLISP

Format: XCCS

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```
(RPAQQ LOOPSRULESBACKWARDSCOMS ((FNS ConvertRuleSets)
                                (* redefining fns from LOOPSBACKWARDS)
                                (FNS ConvertLoopsFiles \Convert-DEFINST)
                                (ADVISE DefMethObj PutObjectUID)))
```

(DEFINEQ

**(ConvertRuleSets**

```
[LAMBDA (file) (* RBGMartin "2-Mar-87 17:03")
```

```
(PROG [(methods (FILECOMSLST file (QUOTE METHODS]
      (bind uid for meth in methods when (_ ($! meth)
                                           InstOf
                                           ($ RuleSet))
```

do (\* change from method name to method object.)

```
(SETQ meth ($! meth))
(PRINT meth)
```

(\* make sure ruleSet points to itself.  
Hopefully it will have a converted UID.)

```
(_@
 meth method:,RuleSet meth)
(if (STRINGP (SETQ uid (@ meth method:,UID)))
    then (_@
          meth method:,UID (ConvertOldUID uid)))
```

(\* make sure the UID property is converted.)

(\* originally rules were stored as IndexedVars which were lists within a list;  
i.e. ((rule1) (rule2) (rule3) ...)%. This gets rid of the extra level of parens.)

```
(_@
 meth perspectiveNode:perspectives:,Source:ruleList (for element in (@ meth
                                                                    perspectiveNode:perspectives:,Source:ruleList
                                                                    )
                                                         collect (CAR element)))
```

(\* make sure the various links point to the method with the converted UID.  
This may not be necessary, but it can't hurt.)

```
(_@
 meth perspectiveNode:perspectives:,RuleSet meth)
(for rule in (@ meth perspectiveNode:perspectives:,Source:ruleList)
  do (_@
      rule ruleSet meth])
```

)

(\* \* redefining fns from LOOPSBACKWARDS)

(DEFINEQ

**(ConvertLoopsFiles**

```
[LAMBDA (files load? cleanup? preButtress?) (* RBGMartin "26-Feb-87 13:19")
```

(\* \* Convert old Loops files to new format)

```
(for file in (OR (MKLIST files)
                 FILELST)
```

```
  bind badFiles goodFiles
```

```
  do (if (NULL (AND [PROGN (printout NIL "Loading " file T)
                        (ERSETQ (if load?
                                  then (LOAD file]
```

```
      (if preButtress?
```

```
        then (PROGN (printout NIL "Converting preButtress file " file " to new method
                        format" T)
                    (ERSETQ (NewMethodFormat file)))
```

```
        else T)
```

```
      (PROGN (printout NIL "Converting NotSetValue in " file T)
              (ERSETQ (ConvertNotSetValue file)))
```

```
      (PROGN (printout NIL "Converting UIDS in " file T)
              (ERSETQ (ConvertUIDs file)))
```

```
      (PROGN (printout NIL "Converting RuleSets in " file T)
              (ERSETQ (ConvertRuleSets file)))
```

```
      (PROGN (printout NIL "Converting changed names in " file T)
              (ERSETQ (ConvertChangedNames file)))
```

```
      (if cleanup?
```

```

      then [PROGN (printout NIL "Making file " file T)
              (ERSETQ (MAKEFILE file (QUOTE (NEW C ST]
                    else T)))
    then (push badFiles file)
    else (push goodFiles file))
  finally (if goodFiles
            then (printout NIL "Converted files " goodFiles T))
            (if badFiles
              then (printout NIL "Could not convert files " badFiles T))
            (RETURN (LIST goodFiles badFiles))

```

(\Convert-DEFINST

```

[LAMBDA (DEFINST% FORM) (* RBGMartin "24-Feb-87 14:09")

```

(\* \* Some advise that allows us to read in old DEFINST forms)

```

(for i in (CDDR DEFINST% FORM) do (for p on i by (CDDR p) when (EQ (CADR p)
                                                                    (QUOTE ?))
                                do (change (CADR p)
                                             NotSetValue)))

```

(\* RuleSetSource is not a subclass of IndexVars any longer. Rules are stored on the IV ruleList)

```

[if (EQ (CAR DEFINST% FORM)
        (QUOTE RuleSetSource))
  then (for i in (CDDR DEFINST% FORM) when (EQ (CAR i)
                                                (QUOTE indexedVars))
        do (change (CAR i)
                   (QUOTE ruleList)
                   (if [STRINGP (CAR (LAST (CADR DEFINST% FORM)
                                         (CONS (CAR DEFINST% FORM)
                                               (CONS [DREVERSE (CONS [ConvertOldUID (CAR (LAST (CADR DEFINST% FORM)
                                                                 (CDR (REVERSE (CADR DEFINST% FORM)
                                                                    (CDDR DEFINST% FORM))))
                                                                 DEFINST% FORM])

```

)

```

(PUTPROPS DefMethObj READVICE [NIL (BEFORE NIL (AND methodProps (LET [(uid (LISTGET methodProps (QUOTE UID)
                                                                    (if (STRINGP uid)
                                                                        then
                                                                          (LISTPUT methodProps (QUOTE UID)
                                                                              (ConvertOldUID uid))

```

```

(PUTPROPS PutObjectUID READVICE [NIL (BEFORE NIL (SETQ uid (if (STRINGP uid)
                                                                    then
                                                                      (ConvertOldUID uid)
                                                                    else uid])

```

(READVICE DefMethObj PutObjectUID)

(PUTPROPS LOOPSRULESBACKWARDS COPYRIGHT ("Xerox Corporation" 1987))

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