

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)
  (PROG [(methods (FILECOMSLST file (QUOTE METHODS)
    (bind uid for meth in methods when (_ ($! meth)
      InstOf
      ($ RuleSet))
    do
      (SETQ meth ($! meth))
      (PRINT meth)
      (_@
        meth method:,RuleSet meth)
      (if (STRINGP (SETQ uid (@ meth method:,UID)))
        then (_@
          meth method:,UID (ConvertOldUID uid)))
      (* 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?)
  (* * 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)
        then (CONS (CAR DEFINST% FORM)
                    (CONS [DREVERSE (CONS [ConvertOldUID (CAR (LAST (CADR DEFINST% FORM)
                                                                    (CDR (REVERSE (CADR DEFINST% FORM)
                                                                    (CDDR DEFINST% FORM))
                    else 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))

FUNCTION INDEX

ConvertLoopsFiles1 ConvertRuleSets1 \Convert-DEFINST2

ADVICE INDEX

DefMethObj2 PutObjectUID2
