```
"This is the file CRASH.DIC; it contains CA definitions for the first
~DSSAM story; they predicates used in the tests in particular need more
~work, but that requires some thought about memory interaction;
^XA
(DEF A
 (ATTS: ART)
 (REQUESTS:
  (REQUEST
   (CLAUSE
    [TEST T]
    LACTIONS
     (:= STR1 (BUILD-CON @(*INDEF*) NIL NIL))
     CACTIVATE
      (REQUEST
       (CLAUSE
        ITEST (:= SIR2 (IF-FIND @(LAMBDA (FOO) (OR (FEATURE FOO @LOC)
                                                     (FEATURE FOO @PP]
        LACTIONS
         (FILL-GAP (ADD-GAP @(REF) STR2) STR2 STR1]]]
^XSMALL
(DEF SMALL
 (ATTS: ADJ)
 (REQUESTS:
  (REQUEST
   (CLAUSE
    TTEST TI
    [ACTIONS
     (:= STR1 (BUILD-CON @(*LTNORM*) NIL NIL))
     (ACTIVATE
      (REQUEST
       (CLAUSE
        ITEST (:= STR2 (IF-FIND @(LAMBDA (FOO) (FEATURE FOO @PP]
        LACTIONS
         (FILL-GAP (ADD-GAP @(SIZE) STR2) STR2 STR1]]]
*XTWIN-ENGINE
(DEF TWIN-ENGINE
 (ATTS: ADJ)
 (REQUESTS:
  (REQUEST
   (CLAUSE
    [TEST T]
    LACTIONS
     (:= STR1
         (BUILD-CON
          @(*PP* PPCLASS (#GROUP) GRPNUMBER (*NUM* NUMBER (*2*))
                 GRPMEMBER (*PP* PPCLASS (#STRUCTURE) STRUCTYPE (*ENGINE*)))
          WIL WILL))
     (ACTIVATE
      CREQUEST
       (CLAUSE
        [TEST (:= STR2 (IF-FIND
                         @(LAMBDA (FOO) (AND (FEATURE FOO @PP)
                                              (FOLLOWS FOO STR1]
        LACTIONS (FILL-GAP (ADD-GAP @(MOTIVEP) STR2) STR2 STR1]]]
*XPLANE
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(DEF PLANE

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(ATTS: NOUN)
 (REQUESTS:
  (REQUEST
   (CLAUSE
    [TEST T]
    [ACTIUNS
     (BUILD-CON @(*PP* PPCLASS (#VEHICLE) VEHTYPE (*AIRPLANE*)) NIL NIL]]
^XSTUFFED
(DEF STUFFED
 (ATTS: VERB)
 (REQUESTS:
  (REQUEST
   (CLAUSE
    [TEST T]
    LACTIONS
     (:= STR1
         (BUILD-CON
          @(*DO* <=> (*PTRANS*) ACTOR (NIL) OBJECT (NIL)
                 TO (*INSIDE* PART (NIL)) FROM (NIL)
                 TIME (NIL))
          NIL NIL))
     (ACTIVATE-IN-:SPECIAL-POOL
      (REQUEST
       (CLAUSE
        [TEST (EQ : WORD @WITH)]
        CACTIONS
         (ACTIVATE-IN-NEXT-POOL
          (REQUEST
           (CLAUSE
            [TEST (:= STR2
                       (IF-FIND
                        @(LAMBDA (FOO)
                          (AND (FEATURE FOO @PP)
                               (NOT (FEATURE FOO @HI-ANIM)
            LACTIONS
             (FILL-GAP (ADD-GAP @(REL) STR2) STR2 STR1)
             (SUBST-CD STR2 (GET-ROLE-FILLER @(TO PART) STR1) STR1]])
       (CLAUSE
        [TEST T]
        (ACTIONS (KILL SELF)))
      (REQUEST
       (CLAUSE
        (TEST (EQ :wORD @WITH)
        LACTIONS
         (ACTIVATE-IN-NEXT-POUL
          (REQUEST
           (CLAUSE
            ETEST
             (AND (IS-FILLED @(TO PART) STR1)
                   (:= STR3
                       (IF-FIND
                        @(LAMBDA (FOO) (FEATURE FOO @P-OBJ)
            LACTIONS
             (FILL-GAP @(OBJECT) STR1 STR3]]]]
^X*1500*
(DEF *1500*
 (ATTS: NUH)
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(REQUESTS:

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(REQUEST
   (CLAUSE
    [TEST T]
    LACTIONS (BUILD-CON @(*NUM* NUMBER (*1500*)) NIL NIL]]
^XPOUNDS
(DEF POUNDS
 (AITS: NOUN)
 (REQUESTS:
  (REQUEST
   (CLAUSE
    [TEST T]
    LACTIONS
     (:= STR1
         (BUILD-CON @(*PP* PPCLASS (#UNIT) TYPE (*LB*) NUMBER (NIL)) NIL NIL))
     CACTIVATE
      (REQUEST
       (CLAUSE
        TTEST (:= STR2 (1F-FIND @(LAMBDA (FOO) (FEATURE FOO @NUMBER)
        (ACTIONS (FILL-GAP @(RUMBER) STR1 STR2))))
     (ACTIVATE-IN-:SPECIAL-POOL
      (REQUEST
       (CLAUSE
        [TEST (EQ :WORD @OF]
        LACTIONS
         (ACTIVATE-IN-NEXT-POOL
          CREQUEST
           (CLAUSE
            [TEST (:= STR3
                       (IF-FIND
                        @(LAMBDA (FOO)
                          (AND (FEATURE FOO @PP)
                               (FOLLOWS FOO STR1]
            [ACTIONS
             (FILL-GAP (ADD-GAP @(AMOUNT) STR3) STR3 STR1]]]]]
^XMARIJUANA
(DEF MARIJUANA
 (ATTS: NOUN)
 (REQUESTS:
  (REQUEST
   (CLAUSE
    [TEST T]
    LACTIONS
     (BUILD-CON @(*PP* PPCLASS (#PHYSOBJ) TYPE (*MJ*)) NIL NIL]]
^XCRASHED
(DEF CRASHED
 (ATTS: VERB)
 (REQUESTS:
  (REQUEST
   (CLAUSE
    [TEST T]
    LACTIONS
         (BUILD-CON @(*DO* <=> ($CRASH) VEH (NIL) PLACE (NIL)) NIL NIL))
     (ACTIVATE
      (REQUEST
       (CLAUSE
        [TEST (:= STR2 (IF-FIND @(LAMBDA (FOO) (FEATURE FOO @VEHICLE]
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[ACTIONS (FILL-GAP @(VEH) STR1 STR2]))
      (REQUEST
       (CLAUSE
        LTEST (:= STR3 (IF-FIND @(LAMBDA (FOO) (FEATURE FOO @LOC)
        [ACTIONS (FILL-GAP @(PLACE) STR1 STR3]]]
^X*1()*
(DEF *10*
 (ATTS: NUM)
 (REQUESTS:
  (REQUEST
   (CLAUSE
    ITEST TI
    [ACTIONS (BUILD-CON @(*NUM* NUMBER (*10*)) NIL NIL]]
^XMILES
(DEF MILES
 (ATTS: NOUN)
 (REQUESTS:
  (REQUEST
   (CLAUSE
    [TEST T]
    LACTIONS
     (:= STR1
         (BUILD-COM
          @(*PP* PPCLASS (#UNIT) TYPE (*MILE*) NUMBER (NIL)) NIL NIL))
     (ACTIVATE
      (REQUEST
       (CLAUSE
        [TEST (:= STR2 (IF-FIND @(LAMBDA (FOO) (FEATURE FOO @NUMBER]
        LACTIONS (FILL-GAP @(NUMBER) STR1 STR2]]]
^XSOUTH
(DEF SOUTH
 (ATTS: NOUN)
 (REQUESTS:
  (REQUEST
   (CLAUSE
    [TEST T]
    LACTIONS
     (:= STR1 (BUILD-CON @(*SOUTH*) NIL NIL))
     (ACTIVATE
      (REQUEST
       (CLAUSE
        ITEST (:= STR2 (IF-FIND @(LAMBDA (FOO) (FEATURE FOO @UNIT]
        LACTIONS
         (:= STR3
             (BUILD-CON @(*LOC* PROX (NIL) DIR (NIL) DIST (NIL)) NIL NIL))
         (FILL-GAP @(DIR) STR3 STR1)
         (FILL-GAP @(DIST) STR3 STR2)
         (ACTIVATE-IN-:SPECIAL-POOL
          (REQUEST
           (CLAUSE
            [TEST (EQ :WORD @OF]
            TACTIONS
             (ACTIVATE-IN-NEXT-POOL
              (REQUEST
               (CLAUSE
                 [TEST (:= STR4 (IF-FIND @(LAMBDA (FOO) (AND (FEATURE FOO @LOC)
                                                               (NOT (EQ FOO STR3]
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LACTIONS
                  (FILL-GAP @(PROX) STR3 STR4]]]]
*XHERE
(DEF HERE
 (ATTS: NOUN)
 (REQUESTS:
  (REQUEST
   (CLAUSE
    [TEST T]
    [ACTIONS (BUILD-CON @(*LUC* PROX (*HERE*)) NIL NIL]]
*XYESTERDAY
(DEF YESTERDAY
 (ATTS: NOUN)
 (REQUESTS:
  (REQUEST
   (CLAUSE
    [TEST T]
    LACTIONS
     (:= STR1 (BUJLD-CON @(*YESTERDAY*) NIL NIL))
     (ACTIVATE
      (REQUEST
       (CLAUSE
        ITES1 (:= STR2 (IF-FIND @(LAMBDA (FOD) (FEATURE FOO @CONCEPT)
        IACTIONS
         (FILL-GAP (ADD-GAP @(TIME) STR2) STR2 STR1]]]
^XAS
(DEF AS
 (ATTS: CONJ)
 (REQUESTS:
  (REQUEST
   (CLAUSE
    [TEST T]
    TACTIONS
     (:= STR1 (BUILD-CON
               @(*CONREL* TYPE (*WHEN*) CONA (NIL) CONB (NIL))
               NIL NIL))
     CACTIVATE
      (REQUEST
       (CLAUSE
        [TEST (:= STR2 (IF-FIND
                         @(LAMBDA (FOO) (AND (FEATURE FOO @CONCEPT)
                                              (NOT (EQ FOO STR1]
        [ACTIONS
         (FILL-GAP @(CONA) STR1 STR2]))
      TREQUEST
       (CLAUSE
        (TEST (:= STR3 (1F-FIND
                         @(LAMBDA (FOO) (AND (FEATURE FOO @CONCEPT)
                                              (NOT (EQ FOO STR1]
        LACTIONS
         (FILL-GAP @(CONB) STR1 STR3]]]
^XIT
(DEF IT
 (ATTS: PRON)
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(REQUESTS:

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(REQUEST
   (CLAUSE
    [TEST T]
    (ACTIONS (BUILD-CON @(*PP* PPCLASS (NIL) REF (*DEF*)) NIL NIL]]
*XAPPROACHED
CDEF APPROACHED
 (ATTS: VERB)
 (REQUESTS:
  (REQUEST
   (CLAUSE
    [TEST T]
    CACTIONS
     (:= STR1
         (BUILD-CON @(*DO* <=> ($APPROACH) VEH (NIL) FIELD (NIL))
                    NIL NIL))
     CACTIVATE
      (PEOUEST
       (CLAUSE
"This needs to be more precise; but then it would require a more sophisticated
"FEATURE function to work with pronouns;
        (TEST (:= STR2 (IF-FIND @(LAMBDA (FOO) (FEATURE FOO @PP]
        [ACTIONS (FILL-GAP @(VEH) STR1 STR2])]
      (REQUEST
       (CLAUSE
"This could be better too;
        LTEST (:= STR3 (IF-FIND @(LAMBDA (FOO) (FEATURE FOO @LOC1
        [ACTIONS (FILL-GAP @(FIELD) STR1 STR3]]]
^XLANDING
"This is really wrong, but the text specialist (which should handle phrasal
"lexical items) hasn't been written yet;
(DEF LANDING
 (ATTS: MOUN)
 (REQUESTS:
  (REQUEST
   (CLAUSE
    [TEST (EQ (CAR :SENT) @STRIP]
    LACTIONS
     (SETQ :SENT (CDR :SENT))
     (BUILD-COM @(*LOC* LOCTYPE (*LANDING-FIELD*)) NIL NIL]]
*XKILLING
(DEF KILLING
 (ATTS: VERB)
 (REQUESTS:
  (REQUEST
   (CLAUSE
    ITEST TI
    [ACTIONS
     (:= STR1
         (BUILD-CON
          @(*CONREL* TYPE (*LEADTO*) ANTE (NIL)
            CUNSE (*BE* STATE (*HEALTH* VAL (-10)) ACTOR (NIL)))
          WIL WIL))
     (ACTIVATE
      (REQUEST
       (CLAUSE
        ITEST (:= STR2 (IF-FIND @(LAMBDA (FOO) (FEATURE FOO @ANIM]
        [ACTIONS (FILL-GAP @(CONSE ACTOR) STR1 STR2]]]
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^XTHE
(DEF THE
 (ATTS: ART)
 (REQUESTS:
  (REQUEST
   (CLAUSE
    [TEST T]
    [ACTIONS
     (:= STR1 (BUILD-CON @(*DEF*) NIL NIL))
     (ACTIVATE
      (REQUEST
       (CLAUSE
        LTEST (:= STR2 (IF-F1ND @(LAMBDA (FOO) (OR (FEATURE FOO @LOC)
                                                     (FEATURE FOO @PP]
        LACTIONS
         (FILL-GAP (ADD-GAP @(REF) STR2) STR2 STR1]]]
^XP1LOT
(DEF PILOT
 (ATTS: NOUN)
 (REQUESTS:
  (REQUEST
   (CLAUSE
    [TEST T]
    LACTIONS (BUILD-CON @(*PP* PPCLASS (#HUMAN) TYPE (*PILOT*)) NIL NIL]]
```