

```
(THROW AGENT (HUMAN F-NAME (CHARLES)
                                L-NAME ( )
                                GENDER (MALE))
      OBJECT (PRINTED-MATTER TYPE (NEWSPAPER)
              MATERIAL (PAPER)
              INFO (STORY)
              REF (INDEF))
      INTO (CONTAINER SHAPE (CYLINDRICAL)
            FOR (TRASH)
            REF (DEF)
            MANNER (SECRETLY))
```


7. Charles gives Charlotte an expensive emerald ring.

CON-SENT7 =

(GIVE **AGENT** (HUMAN **F-NAME** (CHARLES)
 L-NAME ()
 GENDER (MALE))
 TO (HUMAN **F-NAME** (CHARLOTTE)
 L-NAME ()
 GENDER (FEMALE))
 OBJECT (RING **CONTAINS** (EMERALD)
 COST (>NORM)))

8. Charlotte sees initials SV on the ring.

CON-SENT8 =

(SEE **AGENT** (HUMAN **F-NAME** (CHARLOTTE)
 L-NAME ()
 GENDER (FEMALE))
 OBJECT (PRINTED-MATTER
 TYPE (INITIALS **F-INIT** (S)
 L-INIT (V))
 ON (RING **REF** (DEF)))

9. Charlotte feels that Charles killed Samantha.

CON-SENT9 =

(BELIEVE **AGENT** (HUMAN **F-NAME** (CHARLOTTE)
 L-NAME ()
 GENDER (FEMALE))
 OBJECT (KILL **AGENT** (HUMAN **F-NAME** (CHARLES)
 L-NAME ()
 GENDER (MALE))
 OBJECT (HUMAN **F-NAME** (SAMANTHA)
 L-NAME ()
 GENDER (FEMALE))))

Here is an example of sentence 3 whose frame instance contains some gaps, along with their bindings.

```
SENT3-GAPPED =  
(THROW AGENT AG001  
      OBJECT OBJ001  
      INTO (CONTAINER SHAPE (CYLINDRICAL)  
            FOR (TRASH)  
            REF (DEF)  
            MANNER (SECRETLY))  
      EXP-VIOL EXPV001  
      LOC (HOME OWNER (HUMAN F-NAME (CHARLOTTE)  
                        L-NAME (  
                        GENDER (FEMALE))))
```

```
AG001 = (HUMAN F-NAME (CHARLES)  
        L-NAME (  
        GENDER (MALE))
```

```
OBJ001 = (PRINTED-MATTER TYPE (NEWSPAPER)  
          MATERIAL (PAPER)  
          INFO (STORY)  
          REF (INDEF))
```

```
EXPV001 = CON004
```

```
CON004 = (SEE AGENT AG002  
          OBJECT OBJ002)
```

```
AG002 = CON005
```

```
CON005 = (HUMAN F-NAME (CHARLOTTE)  
          L-NAME (  
          GENDER (FEMALE))
```

```
OBJ002 = (HUMAN F-NAME (CHARLES)  
          L-NAME (  
          GENDER (MALE))
```

Notice that a gap can have an atom as its value, which can itself have an atom as its value.