

A sample parse with word-sense identification.

String :

I know the rituals inspectors are expected to go through.

WordList:

[0/i, 1/know, 2/the, 3/rituals, 4/inspectors, 5/are, 6/expected, 7/to, 8/go, 9/through, endpos(10)]

Pretty-printed parse

```
cat:pred
voice:active
weight_coll:0
c_str
  head
    cat:vg
    pos:v
    lex:know
    tense:present
    voice:active
  subject
    cat:np
    sem:[hum]
    lex:i
    index:i(0, 1)
    c_str
      head
        lex:i
        sem:[hum]
  object
    cat:np
    weight_coll:49-ceremony-15
    index:i(2, 10)
    sem:[abstract]
    lex:ritual
    c_str
      head
        cat:np
        sem:[abstract]
        lex:ritual
        index:i(2, 4)
      c_str
        det
          pos:det
          lex:the
        head
          pos:n
          lex:ritual
          sem:[abstract]
```

rel_clause
 index:i(2, 4)
 sem:[abstract]
 weight_coll:0
 c_str
 head
 auxgroup:[tense:present]
 prop:[voice:passive]
 pos:v
 lex:expect
 tense:untensed
 voice:passive
 subject
 cat:np
 sem:[hum]
 lex:inspector
 index:i(4, 5)
 c_str
 det
 det
 zero
 head
 pos:n
 lex:inspector
 sem:[hum]
 object
 cat:pred
 voice:active
 weight_coll:0
 c_str
 head
 auxgroup:[tense:untensed]
 pos:v
 lex:go_through_3_perform
 tense:untensed
 voice:active
 subject
 e:i(4, 5)
 arg_prep
 e:i(2, 4)

Lexical entries :

adapted from *Oxford Dictionary of Current Idiomatic English*
Vol 1 : Verbs with Prepositions and Particles

% THE GO THROUGH FAMILY

%%%

% verb with prepositional cplt

% A2 in ODCIE

% pass in ODCIE if prep object can be subject of passive

% it didn't take Albert very long to go through his inheritance

verb([v(goes,go,went,gone,going,go_through_1_consume)],v_mwu_prep,
arglist:[subject:[type:np, canon:0,gappable:yes, oblig:yes,
constraints:[sem:[hum]]],
athematic:[type:prep,canon:2,gappable:no,
oblig:yes,constraints:[lex:through]],
arg_prep:[type:np,canon:3,gappable:yes,oblig:yes,
constraints:[c_str:[head:[lex:Lex]]]]],
ft:[pc:[coll(arg_prep,Lex,[stock,store,food,beer,fortune])]]).

% it was obvious that the room had been gone through by an intruder

verb([v(goes,go,went,gone,going,go_through_2_search)],v_mwu_prep,
arglist:[subject:[type:np, canon:0,gappable:yes, oblig:yes,
constraints:[sem:[hum]]],
athematic:[type:prep,canon:2,gappable:no,
oblig:yes,constraints:[lex:through]],
arg_prep:[type:np,canon:3,gappable:yes,oblig:yes,
constraints:[c_str:[head:[lex:Lex]]]]],
ft:[pc:[coll(arg_prep,Lex,[room,pocket,papers])]]).

% they finally went through the marriage ceremony for the sake of their children

verb([v(goes,go,went,gone,going,go_through_3_perform)],v_mwu_prep,
arglist:[subject:[type:np, canon:0,gappable:yes, oblig:yes,
constraints:[sem:[hum]]],
athematic:[type:prep,canon:2,gappable:no,
oblig:yes,constraints:[lex:through]],
arg_prep:[type:np,canon:3,gappable:yes,oblig:yes,
constraints:[c_str:[head:[lex:Lex]]]]],
ft:[pc:[coll(arg_prep,Lex,[marriage,initiation,
matriculation,ceremony])]]).

% they went through the details of the plan over and over again

verb([v(goes,go,went,gone,going,go_through_4_rehearse)],v_mwu_prep,
arglist:[subject:[type:np, canon:0,gappable:yes, oblig:yes,
constraints:[sem:[hum]]],
athematic:[type:prep,canon:2,gappable:no,
oblig:yes,constraints:[lex:through]],
arg_prep:[type:np,canon:3,gappable:yes,oblig:yes,
constraints:[c_str:[head:[lex:Lex]]]]],
ft:[pc:[coll(arg_prep,Lex,[fact,argument,scene,text])]]).

% his book went through ten editions in a year
 verb([v(goes,go,went,gone,going,go_through_5_be_published)],v_mwu_prep,
 arglist:[subject:[type:np, canon:0,gappable:yes, oblig:yes,
 constraints:[sem:[document],c_str:[head:[lex:LexSubj]]]],
 athematic:[type:prep,canon:2,gappable:no,
 oblig:yes,constraints:[lex:through]],
 arg_prep:[type:np,canon:3,gappable:yes,oblig:yes,
 constraints:[c_str:[head:[lex:LexPrepArg]]]],
 ft:[pc:[coll(subject,LexSubj,[book,title,article]),
 coll(arg_prep,LexPrepArg,[printing,edition])])]).

% he would have gone through fire for the girl he loved
 verb([v(goes,go,went,gone,going,go_through_6_experience)],v_mwu_prep,
 arglist:[subject:[type:np, canon:0,gappable:yes, oblig:yes,
 constraints:[sem:[hum]]],
 athematic:[type:prep,canon:2,gappable:no,
 oblig:yes,constraints:[lex:through]],
 arg_prep:[type:np,canon:3,gappable:yes,oblig:yes,
 constraints:[c_str:[head:[lex:Lex]]]],
 ft:[pc:[coll(arg_prep,Lex,[operation,pain,ordeal,fire])])]).

*% "go through sby's hands", "go through the mill", "go through the motions",
 % and "go through (the) proper channels"
 % receive special treatment along the lines proposed for other mwu's here,
 % in so far as at least one of the args can be LEXICALLY constrained:
 % HANDS, MILL, MOTIONS, PROPER CHANNELS should be looked for as textual items,
 % or lexical ones, not as heads of collocational (thesauric) classes*

% as for GO THROUGH WITH it is another mwu altogether, in this framework

verb([v(goes,go,went,gone,going,go_through_somebodys_hands)],v_mwu_prep,
 arglist:[subject:[type:np, canon:0,gappable:yes, oblig:yes,
 constraints:[c_str:[head:[lex:LexSubj]]]],
 athematic:[type:prep,canon:2,gappable:no,
 oblig:yes,constraints:[lex:through]],
 arg_prep:[type:np,canon:3,gappable:yes,oblig:yes,
 constraints:[c_str:[det:[type:or([poss_adj,genitive])]],
 c_str:[head:[txt:hands]]]],
 ft:[pc:[coll(subject,LexSubj,
 [pound,jewellery,diamond,papers,document,patient,case])])]).

verb([v(goes,go,went,gone,going,go_through_the_mill)],v_mwu_prep,
 arglist:[subject:[type:np, canon:0,gappable:yes, oblig:yes,
 constraints:[sem:[hum]]],
 athematic:[type:prep,canon:2,gappable:no,
 oblig:yes,constraints:[lex:through]],
 arg_prep:[type:np,canon:3,gappable:no,oblig:yes,
 constraints:[c_str:[det:[lex:the]],
 c_str:[head:[txt:mill]]]],
 ft:[]).

```
verb([v(goes,go,went,gone,going,go_through_the_motions)],v_mwu_prep,  
arglist:[subject:[type:np, canon:0,gappable:yes, oblig:yes,  
constraints:[sem:[hum]]],  
athematic:[type:prep,canon:2,gappable:no,  
oblig:yes,constraints:[lex:through]],  
arg_prep:[type:np,canon:3,gappable:no,oblig:yes,  
constraints:[c_str:[det:[lex:the]],  
c_str:[head:[txt:motions]]]]],  
ft:[]).
```

```
verb([v(goes,go,went,gone,going,go_through_the_proper_channels)],v_mwu_prep,  
arglist:[subject:[type:np, canon:0,gappable:yes, oblig:yes,  
constraints:[c_str:[head:[lex:LexSubj]]]]],  
athematic:[type:prep,canon:2,gappable:no,  
oblig:yes,constraints:[lex:through]],  
arg_prep:[type:np,canon:3,gappable:no,oblig:yes,  
constraints:[c_str:[adjp:[c_str:[head:[lex:proper]]]],  
c_str:[head:[txt:channels]]]]],  
ft:[pc:[coll(subject,LexSubj,[application,complaint,letter])]]).
```