

Last week you've made changes to the transformations.pl file to get the skolem form for 'every man loved some woman .' , and along the commented lines you've put there two things you asked for:

**Task(1): Allan 20/04/2017. Make sortQStack do something interesting.**

Done, but need to get the scope scoring right for all the possible specifiers that we could have in a stack. For now we have:

```
scope(the, 0.0).
scope(some, 3.0).
scope(tense(past,-),3.0).
scope(every, 3.1).
```

**Q1:to be extended**

**Q2: The has the highest scope, what about other referentials that we've turned into a form of 'the'- pronouns, proper nouns and + tenses?**

So for the example you placed in the comments;

parseOne('the man loved some woman .', X), doItAll(X,NF),pretty(NF), qff(NF, QFF), pretty(QFF). We get:

Before sortQStack:

```
exists(A,
  (tense(past, A)
    & exists(B,
      the((C :: {(man>):noun,C}),
        exists(D,
          (((woman>):noun , D)
            & ((at , A,B)
              & (((love>ed : verb)
                & (dobj,D & subject,C)),
                B)))))))))
(tense(past, [sk0])
  & the((A :: {(man>):noun,A}),
    (((woman>):noun , [sk2])
      & ((at , [sk0],[sk1])
        & (((love>ed):verb , [sk1])
          & ((dobj,[sk2] , [sk1])
            & (subject,A , [sk1]))))))))
```

After sortQStack:

```
the((A :: {(man>):noun,A}),
  exists(B,
    exists(C,
      (((woman>):noun , C)
        & exists(D,
          (tense(past, D)
            & ((at , D,B)
              & (((love>ed : verb)
                & (dobj,C & subject,A)),
                B)))))))))
```

```

the((A :: {(man>):noun,A}),
    (((woman>):noun , [sk1])
      & (tense(past, [sk2])
        & ((at , [sk2],[sk0])
          & (((love>ed):verb , [sk0])
            & ((dobj,[sk1] , [sk0])
              & (subject,A , [sk0]))))))))

```

**Q3: Is that the right from you've wanted?**

**Task(2): we haven't dealt with the auxiliaries properly.**

Not done yet; quite tricky. The current `collectAuxs` deals with lists and now since we are calling `fixConjunctions` before `rep3`, `collectAuxs` should be fixed to deal with whatever structure returns `fixConjunctions`.

**Q4: When you changed `rep3` you made + tenses introduce a some quantifier in the stack, why? Aren't they supposed to be introducing a referential ones; 'the'?**

```

rep3(spec(Tense,L0), (at, V, E) & (L2, E), VARS0,[[Tense:V], [some:E] |VARS1]) :-
    Tense=tense(_,+),
    !,
    collectAuxs(L0,L1),
    rep3(L1, L2, VARS0,VARS1).

```