**Q4**

1. The SELECT sets intersect in these cases:

* *obj -> LB RB*
* *obj -> LB members RB*
* (Both of the sets have “LB”.)
* *members -> keyvalue*
* *members -> members COMMA members*
* (Both of sets have “string”.)

Because of these intersections in SELECT sets, this grammar is not LL(1) .

b+c. See in grammar\_output.txt, we created an LL(1) grammar for the language that answers both sections b and c.