



Q13, Representation | looks like this: (null) Representation 2 looks like this: This is a point to the head of the list (node 1). (null) why is rep. 2 better in some cases?

- It makes functions that operate on lists simpler. If we want to implement an insertion function with rep 1 we have to return a list, because the head of the list might change. But in rep 2, we just need to update the list's head pointer internally - the list pointe itself is unchanged! - It also allows us to add other useful into; consider also things like list size and a tail pointe! They can be helpful to have access to straight up (as we will soon see). There is a disadvantage though - the more extra things we add, the more things we have to make sure are still correct.