1. elf you avery adjacent(x, y)., it will find adjacent (a, b). adjacent (b, a). adjacent (e, f). adjacent (f, e).

we can modify the program by including a base case of adjacent (X, Y). to eliminate returning the opposite of facts and to ensure termination.

2. In the order listed the outborn is appended before the prefix to create a sublist. This pays that is a yes if there exists XSBS that is a publish of AcXiBS if there exists XSBS that is a publish of AsxiBS and a prefix of XS. This order is preferred because the outfixed alist is larger and it is more likely Xs is a outfix than it the first element, the prefix.

3. If we change the nules order we could accidently create on infinite program that doesn't terminate.

For example, of we did not put the base case of pubstitute (x, Y, C], []). frist, we could end up i on

If we change the order of the goals, we can affect the flow and accuracy of the program. The is more important than rule flow. For example, if we every substitute (Y, X, LSI, LS2). We are pubstituting all instances of Y i LSI with X to make LS2, but it's likely there are no elements of Y i LSI, or everything would have to be replace. This actually changes the type of search lappearing as well because it affects the search free and will take longer the program should always termate because there is a base case and humistics one included.