Arjun Bhandal: 501088530 61015 a Momeni: 501202209 Bardia Shirsalimian:

[in the policity of the polic

Q = Z = Y = bee R = [car, door] $\therefore Success$

b) [a, [y | [b, c]], d] = [a, [6, [6, c]] | Z] [a,[b,[b, 0]]] [a,[7,6,c],d] Y= 5 Fails as [Y, b, C] and [b, [b, c]] cannot be unified.



d) [U[W|[u]] & Ithe, quick, brown, fox, w] [U,W,u] .. U= +he W=quick Fails as there is a contradiction u=the x brown

```
e) IDid II An, X] [[ever, Win, An, X]]]
                    & Lonly, Lone, oscarl [Did, X, hammerstein
                               The Second )
  i) [Did [An, X], ever, Win, An, X]
  ii) [Only, [On e, oscar], Did, x, hammerstein, The Second]
      The Second = X = Win = 65car
Did = Only = ever
                   An = One = hammerstein
                 Succeeds
```