Number 16 was almost the same as the previous number 16:

16. The following is a PROLOG program that defines the relation exist(X,List) which holds if element X exists in List  
 exist(X,[X|T]).  
 exist(X,[Y|T]):-exist(X,T).  
 Give a complete evaluation tree for exist(2,[1,2]). In each step, give the unifier used.