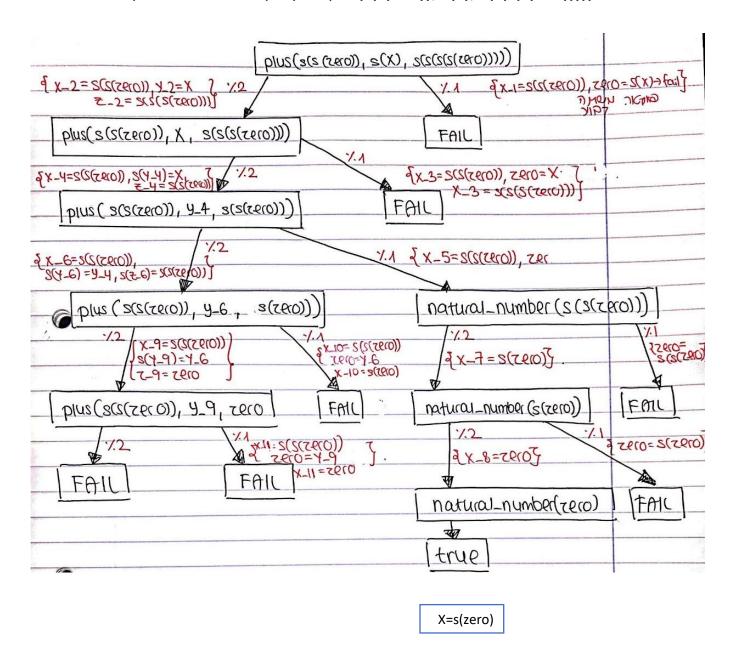
QUESTION 5: Answer-query algorithm

a. proof tree for the query: ?- plus(s(s(zero)), s(X), s(s(s(zero))))) :



- b. There is only one answer because there is only one success branch. The answer is: s(zero).
- c. A success tree is a tree with at least one success path. As we can see there is one. Therefore, it is a success tree.
- d. The tree is finite. As seen above <u>all</u> the paths in the tree are finite. They end with a leaf.