▷ height(T,1).

▷ instans height(leaf,0)

kan inte unifieras

▷ instans height(branch(TL1,TR1),N1) :- height(TL1,NL1), height(TR1,NR1), max(NL1,NR1,M1), N1 is M1+1.

unifierar T=branch(TL1,TR1), N1=1.

▷ height(TL1,NL1).

▷ instans height(leaf,0).

unifierar TL1=leaf, NL1=0.

▷ height(TR1,NR1).

▷ instans height(leaf,0).

unifierar TR1=leaf, NR1=0.

▷ max(0,0,M1).

▷ instans max(X1,Y1,X1) :- Y1<X1.

unifierar X1=0, Y1=0, X1=M1.

▷ 0<0.

fejlar, backtrackar till

▷ instans max(X2,Y2,Y2).

unifierar X2=0, Y2=0, M1=0.

lyckas.

▷ N1 is 0+1.

utvärderar 0+1 till 1.

unifierar N1=1.

lyckas.

▷ svar: T=branch(leaf,leaf).