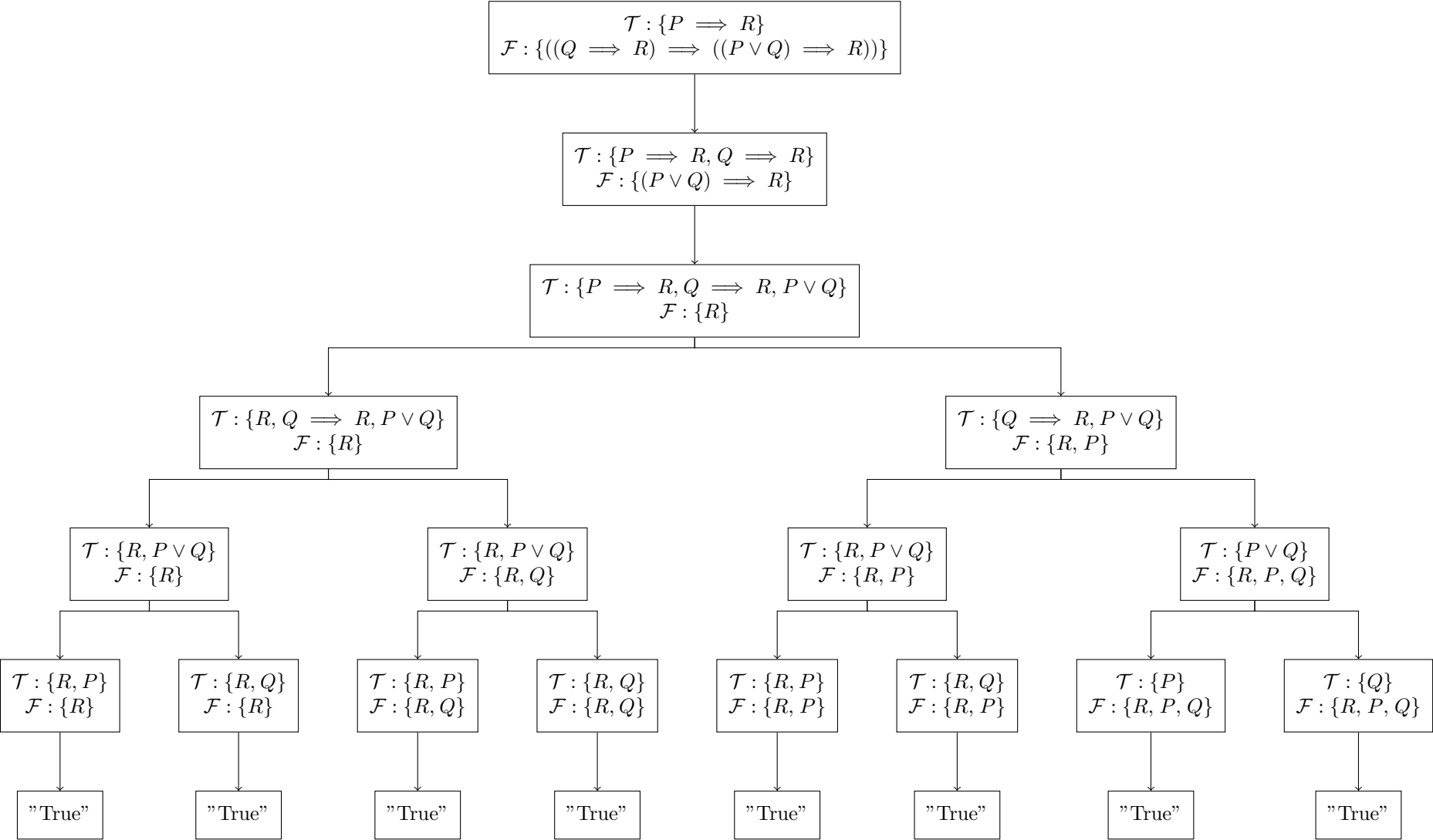


MTH-684 Logic
Assignment (3): Reasoning in Propositional Logic

Mostafa Hassanein

9 October 2024

3-4(b)



The result is the conjunction of all the leaves. Since all the leaves are "true", the result is "true".

Therefore, there is no truth assignment that satisfies \mathcal{T} and falsifies \mathcal{F} , and thus the argument is valid.