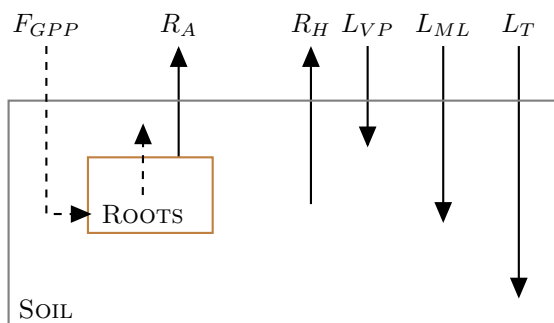
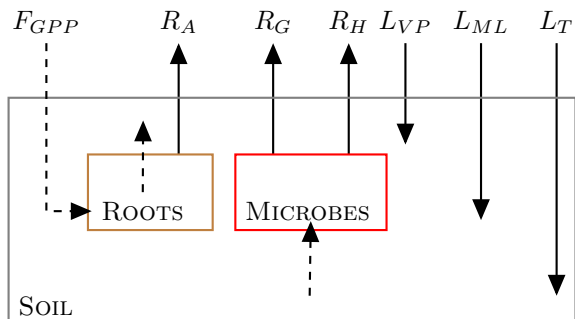


a) Null model



b) Microbe model



c) Quality model

