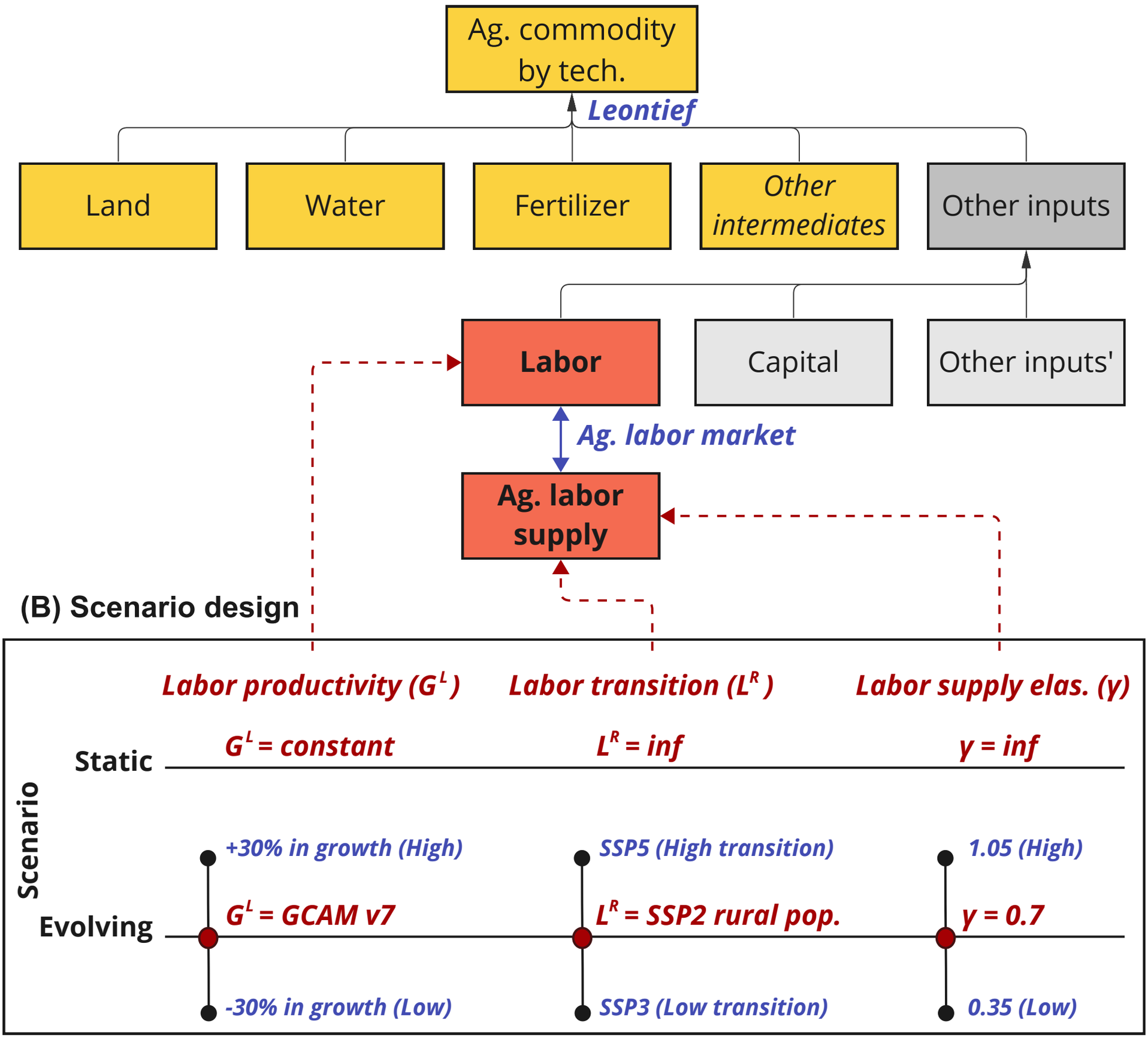
(A) Representing agricultural labor market in GCAM
Ag. commodity by tech.
Leontief
Land
Water
Fertilizer
Other intermediates
Other inputs
Labor
Capital
Other inputs'
Ag. labor market
Ag. labor supply
(B) Scenario design
Labor productivity (G^L)
Labor transition (L^R)
Labor supply elas. (γ)
Scenario
Static
G^L = constant
L^R = inf
γ = inf
Evolving
+30% in growth (High)
G^L = GCAM v7
-30% in growth (Low)
SSP5 (High transition)
L^R = SSP2 rural pop.
SSP3 (Low transition)
1.05 (High)
γ = 0.7
0.35 (Low)