5440 HOMEWORK Z

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Because this is cell free we don't have an intercellular dilution term because there are no cells, i. M=0,

 $\dot{M} = \Gamma_{X,i} U_{i} - (M + \theta_{m,i}) M_{i} + \lambda_{i}$ $(\dot{M} = \Gamma_{X,i} U_{i} - \theta_{m,i} M_{i} + \lambda_{i})$ $\dot{P}_{i} = \Gamma_{L,i} W_{i} - (M + \theta_{P,i}) P_{i}$

 $P_i = r_{L,i}W_i - \theta_{P,i}P_i$