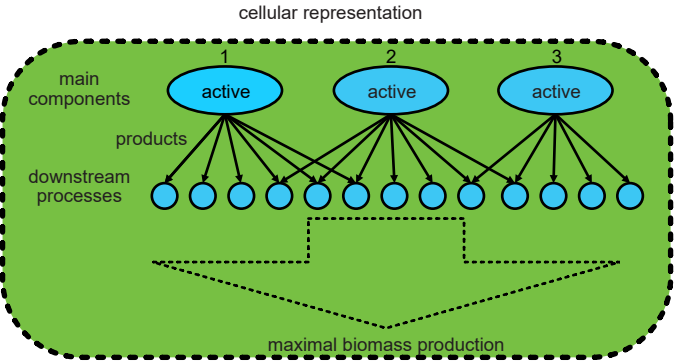
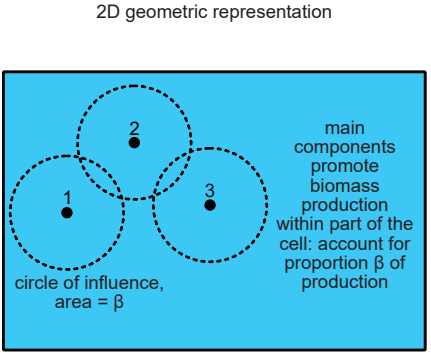
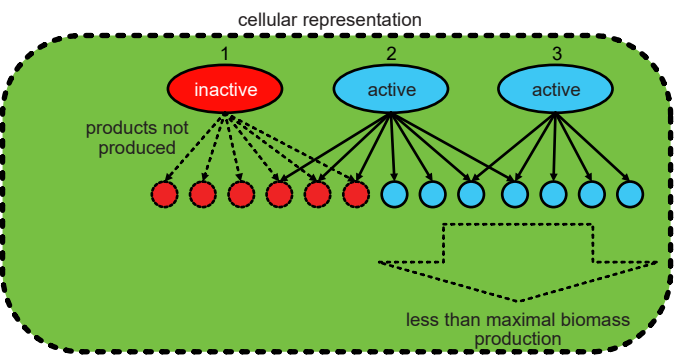
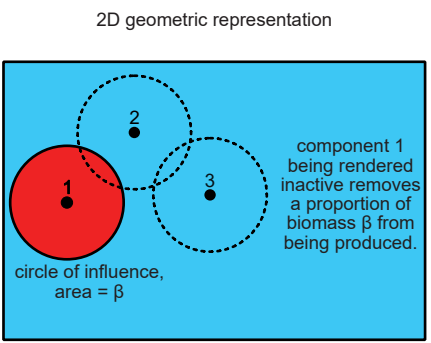
a)

cell with all components active





b)

cell with one component inactive