conversion - time in batch reactor

$$\frac{dx}{dt} = \frac{-r_T^2 W}{NT0} - 0$$

Stoichiometry

⇒ solve eq. ① to ② numerically to get conc. Vs time

b) moving bed:

mole balance :

$$\frac{dx}{dW} = \frac{-r_T'}{FA0}$$

-) other equations are same.

- c) Increasing us will increase conversion
- d) for second order decay

For Et = 25 kcal/mol Ed = 10 kcal/mol