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[2026-01-25 Sun 09:54]

attempting to figure out why lines 45-45 seem to be pointing to wrong elements of I vector?

// Initial state. State values of QA0, QB0, QT0
let y0 = State::new(I[2], I[3], I[4]);

think if should be I 3, 4, 5?

[2026-01-25 Sun 11:50] C-u C-c !

going create a new model script, strip out the "total pool" stuff and see if I can graph the concentrations new name will be "jam_{twopoolnototal}"

remember in Rust , vector designations begin at 0 ...

[2026-01-26 Mon 12:39]

sent text to Sylvain Renevey asking for help, also put a question on Rust users group asking for suggestions

- need to ask Sylvain why both “// declare the external Rust crates required //use `ode_solvers::rk4::*`; use `ode_solvers::*`;”
 - should be every feature, therefor rk4 line not necessary, covered by others?

[2026-01-27 Tue 10:41]

Professor Juan Zometa from the International University of Berlin, answered my question on Rust Users group, and said that he had encountered the same problem using the `ode_solvers` crate, inability to extract non-state variables! He solved his problem by changing `ode solvers` written as part of the Russell consortium called `russell_ode`. Then he converted a model he had of a mechanical system to my bio one, using the `russell_ode` solver and it appears to work great! Now to test it and try it, next to see if I can graph!