- 335 Let *a* and *b* be rational variables. Define procedure *P* as  $P = \langle x, y: rat \cdot if x=0 \text{ then } a:= x \text{ else } a:= x \times y. a:= a \times y \text{ fi} \rangle$
- (a) What is the exact precondition for a'=b' to be refined by Pa(1/b)?
- (b) Discuss the difference between "eager" and "lazy" evaluation of arguments as they affect both the theory of programming and programming language implementation.
- § see "<u>a Theory of Lazy Imperative Timing</u>"