Timestamping (1)

- To *trail* a binding means to store enough information on a stack (the *trail stack*) so that backtracking may restore the unbound state.

- WAM trail condition: Trail a variable binding if the address of the variable is less than the address of the top-most choice point.

    - This works well for the WAM since an unbound variable can only be bound *once* on forward execution.
    - Other constraints may be modified ("bound") more than once on forward execution (e.g., refinement of finite domains). The WAM condition results in too much trailing for them (c.f., CHIP).

- Improved trail condition: Trail a constraint modification if the previous modification was done before the creation time of the top-most choice point.

- Implementing this trail condition requires that each choice point and each constraint contain a timestamp marking its creation or modification time.