

A doomsday formula: $\hat{t}(k, t_0, \{\beta_i\}) = \inf \left\{ u \left| \int_{t_0}^u w_t(t_0, \{\beta_i\}) dt \geq k \right. \right\}$ [1].

[1] Hongda Zhong, Dynamic Coordination and Bankruptcy Regulations, 2025.
https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3355429.