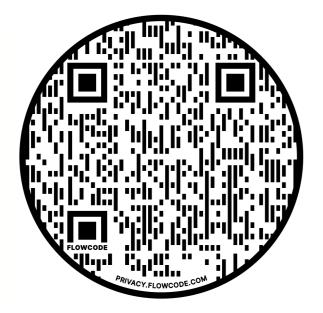
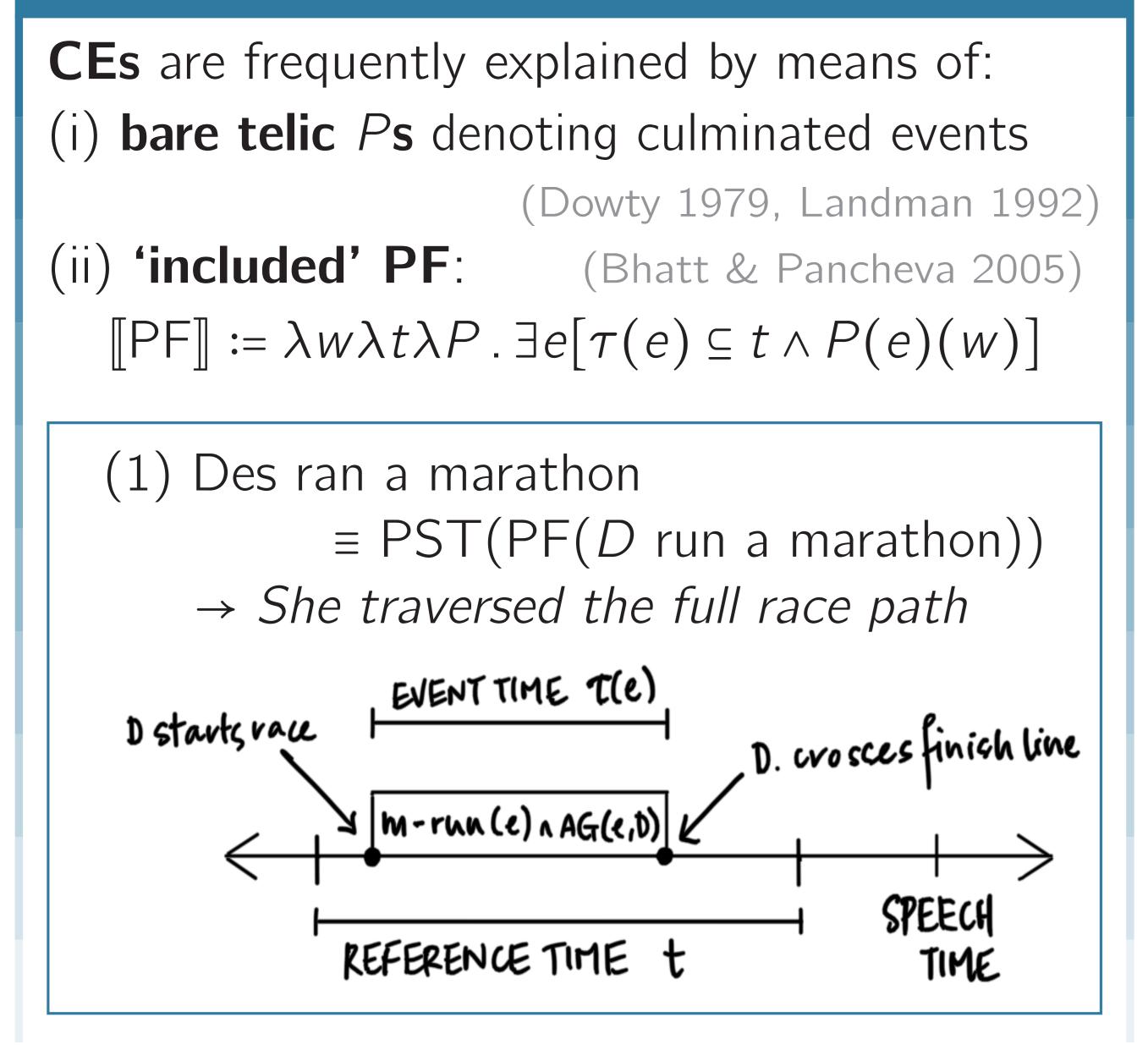
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Culmination entailments of telic *P*s



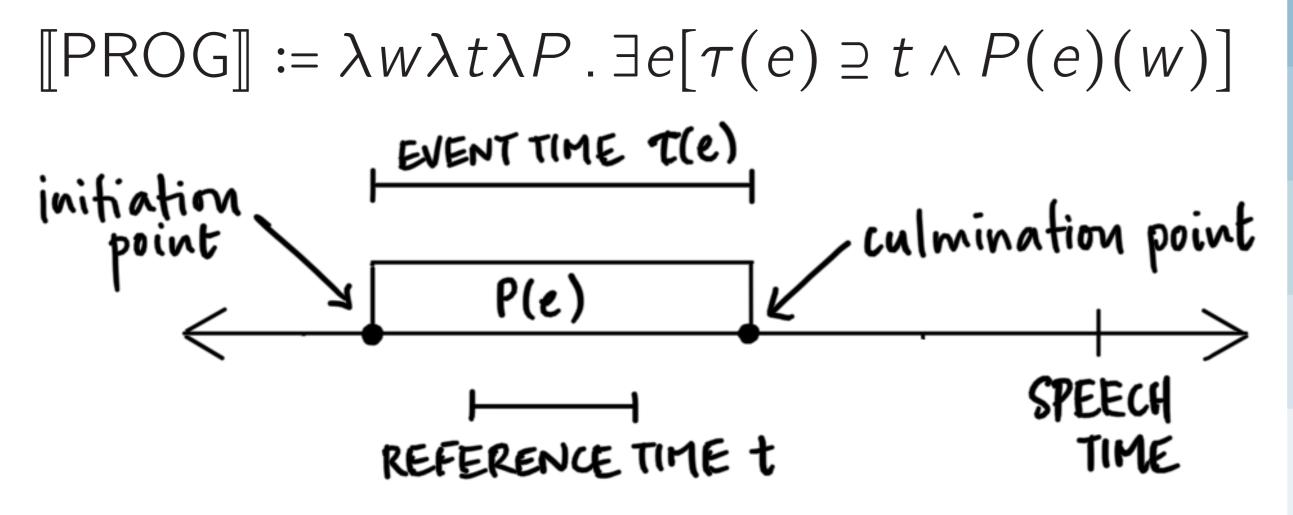
The imperfective paradox

PROGs of telic *P***s need not culminate:**

(2) Mahler was writing a tenth symphony \rightarrow He completed it. (when he died). (*A Mahler wrote a tenth symphony*)

Extensional 'including' PROG:

yields ongoing events, but forces culmination to take place in the evaluation world



Telicity, teleological modality, and (non-)culmination

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Resolving the paradox

Existing approaches:

- **Extensional PROG**: (e.g., Parsons 1990)
- telic *P*s denote (non-)culminated events - PROG can instantiate *P* sans culmination
- (II) Intensional PROG: (e.g., Dowty, Landman)
 - telic Ps denote (only) culminated events
 - modal PROG locates event onsets in w^* , culminations in modal alternatives

Our claim: the 'paradox' is due to intensionality inherent in telic Ps, not in PROG

Telicity and intensionality

Telic P denotes nested temporal slices of teleological alternatives for its culmination condition

Given world w and context k:

- let D be a context-dependent model of causal relationships between propositions (Pearl 2000)
- let $s \subseteq k$ be a (starting) situation which: (i) contains CC-relevant circumstances
- for CC with causal ordering source based on D
- for $e_1, e_2 \in \llbracket P \rrbracket^{\kappa}$, $e_1 \subseteq e_2$ iff: (i) e_2 is an **optimal causal development** of e_1 ,

Positive consequences of our approach:

- **no imperfective paradox:** extensional PROG can instantiate non-culminated $e \in [P]^{\kappa}$
- $[P]^{\kappa}$ is sensitive to 'inertial' (causal) developments based on context, permitting variation based
- **bonus:** a unified extensional approach to **non-culminating perfectives** of accomplishments
- looking ahead: a unified treatment of culmination entailments and ability modals' actuality entailments (Bhatt 1999)

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Proposal

 An enriched mereology for telic Ps: [P] contains culminated & non-culminated parts of teleologically-optimal worlds [P] is structured by a culmination condition (CC; Kratzer 2004), as a goal structures teleological alternatives
Teleological alternatives in <i>w</i> , given goal <i>G</i> , circumstantial <i>f</i> , stereotypical <i>g</i> : $\{w': \text{Best}_{g(w)}((\cap f(w)) \cap G)\}$ (cf. von Fintel & latridou 2005)

(ii) does not exhaust its causal consequences - $e \in [P]^k$ iff e is a **continuous causal development** of s at start time t_0 in a teleological alternative (cf. Kaufmann 2013) (ii) $\exists e_3 \in \llbracket P \rrbracket^{\kappa}$ s.t. $e_1, e_2 \subseteq e_3$, and e_3 verifies CC

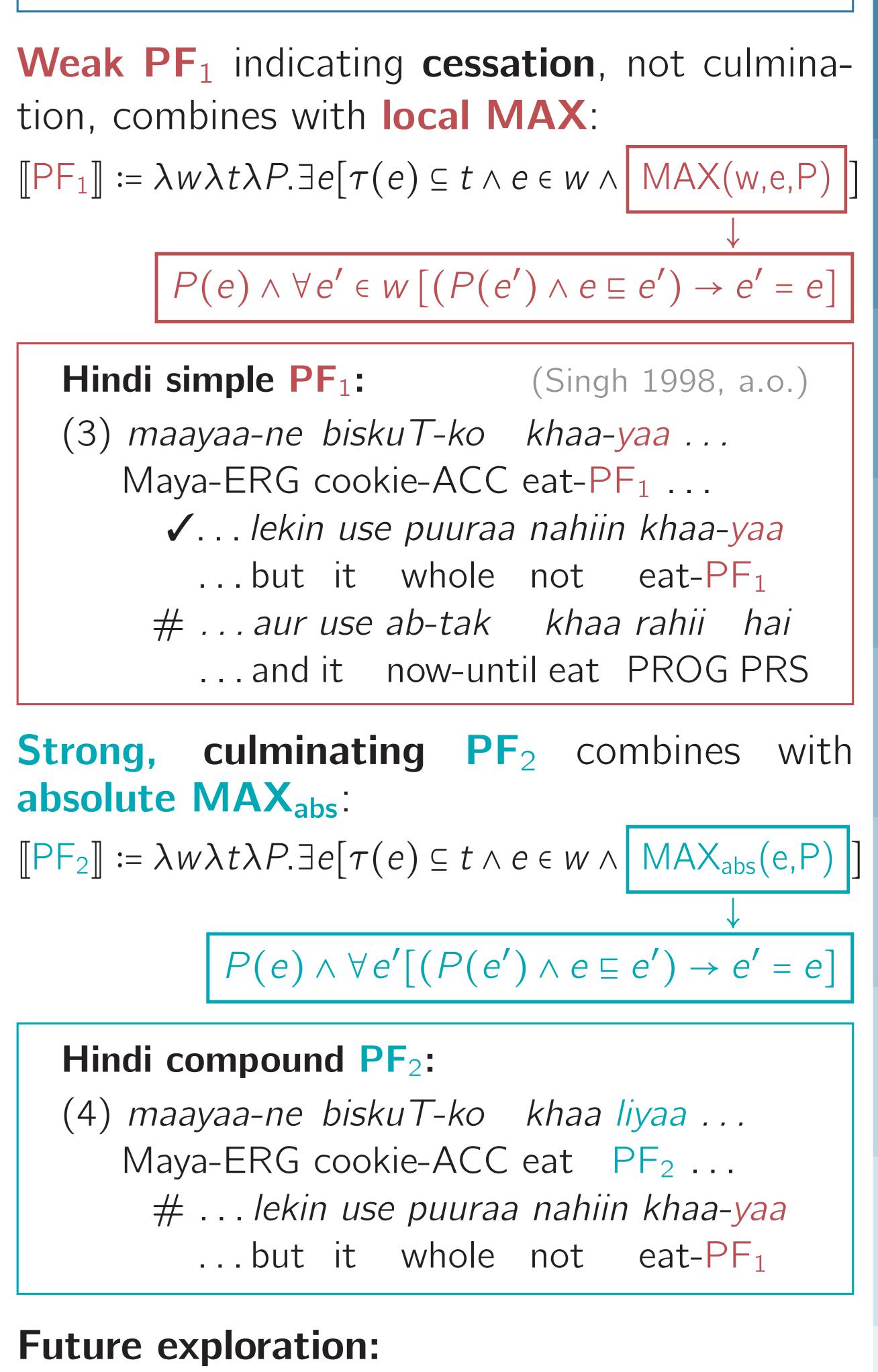
on participants, circumstances, perspectives ... (cf. Landman, Asher 1992, Bonomi 1997, a.o.) (see handout for further details)



Non-culminating accomplishments

(Non-)culminating PFs receive a unified treatment in terms of MAX operators

(Filip & Rothstein 2005, Altshuler 2014)



the typological and pragmatic landscape of included/including aspects, MAX requirements