# When does split events change?

Let *p* be a reflex vertex, and [*a*, *b*] be a segment that is regarded as the side to be splitted by *p* at the current estimate. Note that *a* is the prev of *b* and *b* is the next of *a*.

1. Another event alters prev/next relation of *a* and *b*.
2. Another segment whose visible angle was restricted became open to *p*. This side has a faster collision time than [*a*, *b*].

# What should be conditions to change the current event time.

1. [*a*, *b*] is splitted or collided and the event is no longer available. => complete overhaul of the event estimate.
2. Another segment’s view has widen and precedes the current event.