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# derive app-specific types from generic IPA types
using Timeline = SortedSet<ID, Range<Millis(100)>>>;

using Retweets = Set<ID, Size<Tolerance(0.01)>>>;

def timeline(user):
    # Timeline.range: 100 ms latency bound
    tweets: Stale<List<ID>> = Timeline(user).range(0, 10)

    # check if timeline may be missing tweets older than 5s
    if posts.older_than(Seconds(5)):
        display_warning("May be out of date.")

    for t in tweets:
        tweet: Map = Tweet(t).get()

        # Retweeters.size: 1% tolerance
        retweets: Range<Int> = Retweets(t).size()

        display_tweet(tweet, retweets)
```