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**Yariana Diaz\*** (yariana-diaz@uiowa.edu), **Ryan Kinser** and **Cody Gilbert**. *Total stability functions for Dynkin quivers and almost split sequences*. Preliminary report.

We provide an efficient criterion for determining which stability functions make all indecomposable representations of a Dynkin quiver  $Q$  stable. By definition this requires considering an inequality for each pair consisting of one indecomposable representation of  $Q$  and one of its proper, non-zero subrepresentations. We use Auslander-Reiten theory to significantly reduce the number of inequalities down to one inequality for each almost split sequence with indecomposable middle term. (Received March 08, 2021)