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The marked length spectrum of a metric on a compact Riemannian manifold records the length of the shortest closed curve in each free homotopy class. Let  $S$  be a compact surface. It is known that an inequality between the marked length spectra of two negative Riemannian metrics on  $S$  implies a corresponding inequality between the areas with respect to the metrics. I will show that the same conclusion holds if the inequality only holds on particular subsets of  $\pi_1(S)$ . (Received August 08, 2019)