1 Brutal combinatorics

We are considering subsets of $\Delta^n \star (\Delta^n)^{op}$, where the following simplices are scaled:

- Every 2-simplex factoring through Δ^n
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- The simplices $ij\bar{k}$ for $i < j \le k$
- The simplices $k\bar{j}\bar{i}$ for $i < j \le k$.

Any simplicial subset of this is completely determined by the vertices it contains. We consider any such subset to inherit the scaling and marking.

We further consider each 1-simplex in $(\Delta^n)^{op}$ to be marked.

Lemma 1.0.1. For n = 2, the inclusion $01\overline{0} \cup \overline{1}\overline{0} \hookrightarrow 01\overline{1}\overline{0}$ is mk-anodyne.