

## **PREFERENCES**

## Why

We want to discuss preferring certain elements of a set before others.  $^1$ 

## Definition

A preference on a set A is a partial order on A.<sup>2</sup> A total preference is a preference (order) which is total.

<sup>&</sup>lt;sup>1</sup>Future editions will modify.

<sup>&</sup>lt;sup>2</sup>Future editions will extend.

