

## NOTES OF JUNE 16 2025

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### 1. MONAD GIVEN BY AN OPERAD

Let  $f$  be an operad<sup>1</sup>, and for each object  $X$  let  $X^j$  denote its  $j$ -th tensor power. Then, let  $\mathbf{f} : \mathcal{C} \rightarrow \mathcal{C}$  be given by

$$\mathbf{f} X =$$

### 2. OTHER

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<sup>1</sup>Implicitly over topological spaces, the one used by May is differential-graded  $\mathbf{Z}$ -modules.