

## FAMILY PRODUCTS AND UNIONS

## Why

We study how family unions and direct products interact.

## Result

The following is easy.<sup>1</sup>

**Proposition 1.**  $(\cup_i A_i) \times (\cup_j B_j) = \cup_{i,j} (A_i \times B_j)$ .

<sup>&</sup>lt;sup>1</sup>An account will appear in future editions.

