TikZyFi Examples

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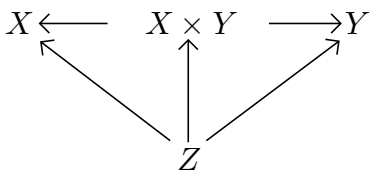
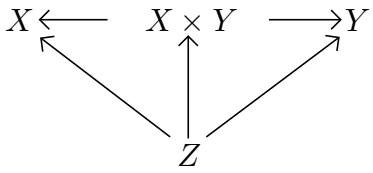
1. Simple Diagram

```
\tikzy?:(|default with unit-length = 1.5cm|)[
  matrix[
    [ node?:[named `X`] {${X}}
    ; node?:[named `XxY`]{${X \times Y}}
    ; node?:[named `Y`] {${Y}} ]
    ; [ empty; node?:[named `Z`]{${Z}}] ]
  ; arrow (west-of `XxY`) (east-of `X`)
  ; arrow (east-of `XxY`) (west-of `Y`)
  ; arrow (north-west-of `Z`) (south-east-of `X`)
  ; arrow (north-east-of `Z`) (south-west-of `Y`)
  ; arrow (north-of `Z`) (south-of `XxY`) ];
```



This can also be written as:

```
\tikzy?:(|default with unit-length = 1.5cm|)
  [ matrix?:(`mat`)
    [ [ node {${X}}; node {${X \times Y}}; node {${Y}} ]]
  ; node-at ?:[named `Z`] (south-of `mat-0-1`) {${Z}}
  ; arrow (west-of `mat-0-1`) (east-of `mat-0-0`)
  ; arrow (east-of `mat-0-1`) (west-of `mat-0-2`)
  ; arrow (north-west-of `Z`) (south-east-of `mat-0-0`)
  ; arrow (north-east-of `Z`) (south-west-of `mat-0-2`)
  ; arrow (north-of `Z`) (south-of `mat-0-1`) ];
```



2. Complex Diagram

To see how to draw the following, refer the definition of `\diag1;` in `example.saty`.