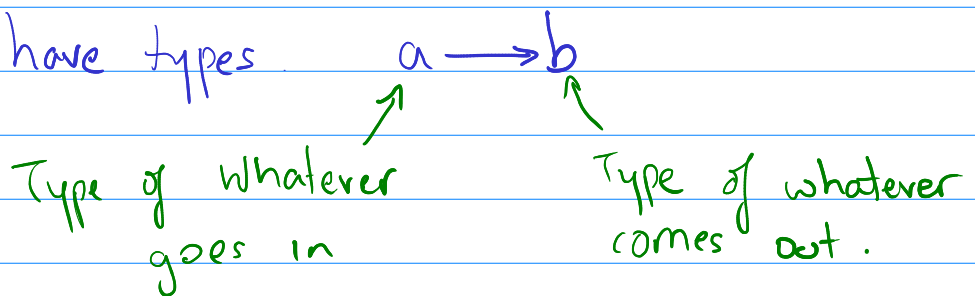


Higher-order functions

Functions are first-class citizens in OCaml.

- Functions have types



- Functions can be bound to variables.

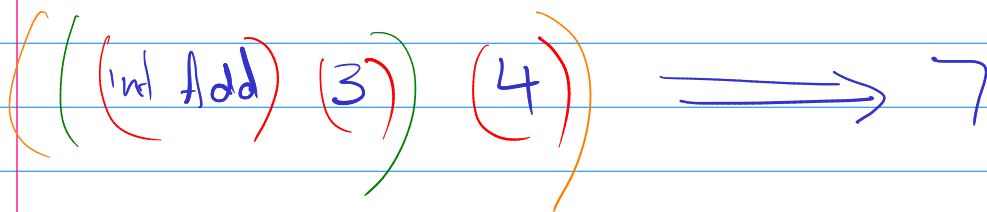
- Functions can also be produced as output.

- Functions can also be passed as input.

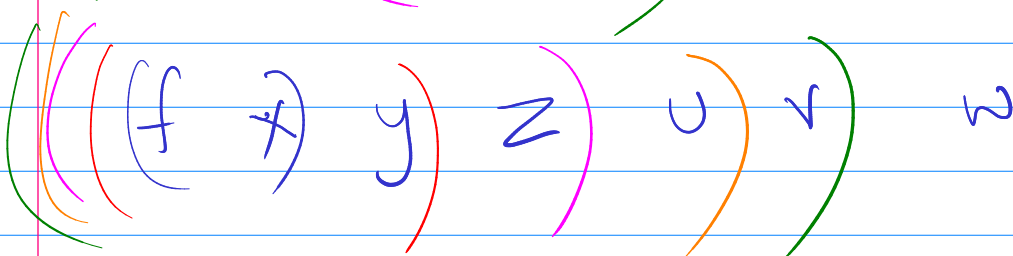
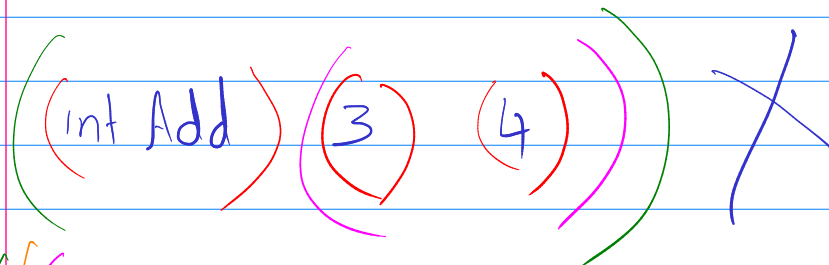
Parenthesization

int Add: int \rightarrow int \rightarrow int

P1:



P2:



List.filter : $(a \rightarrow \text{bool}) \rightarrow 'a \text{ list} \rightarrow 'a \text{ list}$.

- int Add 3 4

