BatArray.Labels.LExceptionless.find: f:('a -> bool) -> 'a BatArray.t -> 'a option

BatArray.Labels.LExceptionless.findi: f:('a -> bool) -> 'a BatArray.t -> int option

BatArray.Labels.blit: src:'a array -> src\_pos:int -> dst:'a array -> dst\_pos:int -> len:int -> unit

BatArray.Labels.count\_matching: f:('a -> bool) -> 'a BatArray.t -> int

BatArray.Labels.create: int -> init:'a -> 'a array

 $BatArray. Labels. create\_matrix: dimx:int -> dimy:int -> 'a -> 'a \ array \ array$ 

BatArray.Labels.exists : f:('a -> bool) -> 'a BatArray.t -> bool

BatArray.Labels.fast\_sort : cmp:('a -> 'a -> int) -> 'a array -> unit

BatArray.Labels.fill: 'a array -> pos:int -> len:int -> 'a -> unit

BatArray.Labels.filter: f:('a -> bool) -> 'a BatArray.t -> 'a BatArray.t

BatArray.Labels.filter\_map: f:('a -> 'b option) -> 'a BatArray.t -> 'b BatArray.t

BatArray.Labels.find: f:('a -> bool) -> 'a BatArray.t -> 'a

BatArray.Labels.find\_map: f:('a -> 'b option) -> 'a array -> 'b option

BatArray.Labels.find\_opt: f:('a -> bool) -> 'a BatArray.t -> 'a option

BatArray.Labels.findi: f:('a -> bool) -> 'a BatArray.t -> int

BatArray.Labels.fold: f:('a -> 'b -> 'a) -> init:'a -> 'b array -> 'a

BatArray.Labels.fold\_left: f:('a -> 'b -> 'a) -> init:'a -> 'b array -> 'a

BatArray.Labels.fold\_right: f:('b -> 'a -> 'a) -> 'b array -> init:'a -> 'a

BatArray.Labels.fold\_while: p:('acc -> 'a -> bool) -> f:('acc -> 'a -> 'acc) -> init:'acc -> 'a array -> 'acc \* int

BatArray.Labels.for\_all: f:('a -> bool) -> 'a BatArray.t -> bool

BatArray.Labels.init: int -> f:(int -> 'a) -> 'a array

BatArray.Labels.iter: f:('a -> unit) -> 'a array -> unit

BatArray.Labels.iter2: f:('a -> 'b -> unit) -> 'a BatArray.t -> 'b BatArray.t -> unit

BatArray.Labels.iter2i: f:(int -> 'a -> 'b -> unit) -> 'a BatArray.t -> 'b BatArray.t -> unit

BatArray.Labels.iteri: f:(int -> 'a -> unit) -> 'a array -> unit

BatArray.Labels.make\_matrix: dimx:int -> dimy:int -> 'a -> 'a array array

BatArray.Labels.map: f:('a -> 'b) -> 'a BatArray.t -> 'b BatArray.t

BatArray.Labels.mapi: f:(int -> 'a -> 'b) -> 'a BatArray.t -> 'b BatArray.t

BatArray.Labels.modify: f:('a -> 'a) -> 'a array -> unit

BatArray.Labels.modifyi: f:(int -> 'a -> 'a) -> 'a array -> unit

BatArray.Labels.sort: cmp:('a -> 'a -> int) -> 'a array -> unit

BatArray.Labels.stable\_sort : cmp:('a -> 'a -> int) -> 'a array -> unit

BatArray.Labels.sub: 'a array -> pos:int -> len:int -> 'a array

BatArray.Cap.Exceptionless.find: ('a -> bool) -> ('a, [< `Read | `Write > `Read ]) t -> 'a option

```
Batteries
BatArray.Cap.Exceptionless.findi : ('a -> bool) -> ('a, [< `Read | `Write > `Read ]) t -> int option
BatArray.Cap.Labels.blit: src:('a, [< `Read | `Write > `Read | `Write > `Read | `Write > `Read | `Write > `Write | `Write > `Write | `Write > `Write | `Write > `Read | `Write > `Read | `Write > `Write | `Write | `Write > `Write 
BatArray.Cap.Labels.count_matching: f:('a -> bool) -> ('a, [< `Read | `Write > `Read ]) t -> int
BatArray.Cap.Labels.create: int -> init: a -> ('a. [< `Read | `Write ]) t
BatArray.Cap.Labels.create_matrix: dimx:int -> dimy:int -> 'a -> (('a, [< `Read | `Write ]) t, [< `Read | `Write ]) t
BatArrav.Cap.Labels.exists: f:('a -> bool) -> ('a, [< `Read | `Write > `Read ]) t -> bool
BatArray.Cap.Labels.fast_sort: cmp:('a -> 'a -> int) -> ('a, [ `Read | `Write ]) t -> unit
BatArray.Cap.Labels.fill: ('a, [< `Read | `Write > `Write ]) t -> pos:int -> len:int -> 'a -> unit
BatArray.Cap.Labels.filter: f:('a -> bool) -> ('a. [< `Read | `Write > `Read |) t -> ('a. [< `Read | `Write |) t
BatArray.Cap.Labels.filter_map: f:('a -> 'b option) -> ('a, [< `Read | `Write > `Read ]) t -> ('b, [< `Read | `Write ]) t
BatArray.Cap.Labels.find: f:('a -> bool) -> ('a, [< `Read | `Write > `Read ]) t -> 'a
BatArray.Cap.Labels.find_map: f:('a -> 'b option) -> ('a, [< `Read | `Write > `Read ]) t -> 'b option
BatArray.Cap.Labels.find_opt: f:('a -> bool) -> ('a, [< `Read | `Write > `Read |) t -> 'a option
BatArray.Cap.Labels.fold: f:('a -> 'b -> 'a) -> init:'a -> ('b, [< `Read | `Write > `Read ]) t -> 'a
BatArray.Cap.Labels.fold left: f:('a -> 'b -> 'a) -> init:'a -> ('b. [< `Read | `Write > `Read |) t -> 'a
BatArray.Cap.Labels.fold_right: f:('b -> 'a -> 'a) -> ('b, [< `Read | `Write > `Read ]) t -> init:'a -> 'a
BatArray.Cap.Labels.fold_while: p:('acc -> 'a -> bool) -> f:('acc -> 'a -> 'acc) -> init:'acc -> 'a array -> 'acc * int
BatArray.Cap.Labels.for_all: f:('a -> bool) -> ('a, [< `Read | `Write > `Read |) t -> bool
BatArray.Cap.Labels.init: int -> f:(int -> 'a) -> ('a, [< `Read | `Write ]) t
BatArray.Cap.Labels.iter: f:('a -> unit) -> ('a, [< `Read | `Write > `Read |) t -> unit
BatArray.Cap.Labels.iter2: f:('a -> 'b -> unit) -> ('a, [< `Read | `Write > `Read ]) t -> ('b, [< `Read | `Write > `Read ]) t -> unit)
BatArray.Cap.Labels.iter2i : f:(int -> 'a -> 'b -> unit) -> ('a, [< `Read | `Write > `Read ]) t -> ('b, [< `Read | `Write > `Read ]) t -> unit
BatArray.Cap.Labels.iteri: f:(int -> 'a -> unit) -> ('a, [< `Read | `Write > `Read ]) t -> unit
BatArray.Cap.Labels.make: int -> init:'a -> ('a, [< `Read | `Write ]) t
BatArray.Cap.Labels.make_matrix: dimx:int -> dimy:int -> 'a -> (('a, [< `Read | `Write ]) t, [< `Read | `Write ]) t
BatArray.Cap.Labels.map: f:('a -> 'b) -> ('a, [< `Read | `Write > `Read ]) t -> ('b, [< `Read | `Write ]) t
BatArray.Cap.Labels.mapi : f:(int -> 'a -> 'b) -> ('a, [< `Read | `Write > `Read ]) t -> ('b, [< `Read | `Write ]) t
BatArray.Cap.Labels.modify: f:('a -> 'a) -> ('a, [`Read | `Write]) t -> unit
BatArray.Cap.Labels.modifyi: f:(int -> 'a -> 'a) -> ('a, [ `Read | `Write ]) t -> unit
BatArray.Cap.Labels.sort: cmp:('a -> 'a -> int) -> ('a, [ `Read | `Write ]) t -> unit
BatArray.Cap.Labels.stable_sort : cmp:('a -> 'a -> int) -> ('a, [ `Read | `Write ]) t -> unit
BatArray.Cap.Labels.sub: ('a, [< `Read | `Write > `Read ]) t -> pos:int -> len:int -> ('a, [< `Read | `Write ]) t
BatArray.Cap.append: ('a, [< `Read | `Write > `Read ]) t -> ('a, [< `Read | `Write > `Read ]) t -> ('a, [< `Read | `Write ]) t
BatArray.Cap.backwards: ('a, [< `Read | `Write > `Read ]) t -> 'a BatEnum.t
```

```
Batteries
BatArray.Cap.blit: ('a, [< `Read | `Write > `Read | ` Write > ` Read | ` Write > ` Write ]) t -> int -> ('a, [< `Read | ` Write > ` Write ]) t -> int -> unit
BatArray.Cap.combine: ('a, [< `Read | `Write > `Read ]) t -> ('b, [< `Read | `Write > `Read ]) t -> ('a * 'b, [< `Read | `Write > `Read ]) t
BatArray.Cap.compare: 'a BatOrd.comp -> ('a, [< `Read | `Write > `Read ]) t BatOrd.comp
BatArray.Cap.concat: ('a. [< `Read | `Write > `Read ]) t list -> ('a. [< `Read | `Write ]) t
BatArray.Cap.copy : ('a, [< `Read | `Write > `Read ]) t -> 'a array
BatArray.Cap.count_matching: ('a -> bool) -> ('a, [< `Read | `Write > `Read ]) t -> int
BatArray.Cap.create_matrix: int -> int -> 'a -> (('a, [< `Read | `Write ]) t, [< `Read | `Write ]) t
BatArray.Cap.enum: ('a, [< `Read | `Write > `Read ]) t -> 'a BatEnum.t
BatArray.Cap.equal: 'a BatOrd.eq -> ('a, [< `Read | `Write > `Read ]) t BatOrd.eq
BatArray.Cap.exists: ('a -> bool) -> ('a, [< `Read | `Write > `Read ]) t -> bool
BatArray.Cap.fast_sort : ('a -> 'a -> int) -> ('a, [ `Read | `Write ]) t -> unit
BatArray.Cap.fill: ('a, [< `Read | `Write > `Write ]) t -> int -> int -> 'a -> unit
BatArray.Cap.filter: ('a -> bool) -> ('a, [< `Read | `Write > `Read ]) t -> ('a, [< `Read | `Write ]) t
BatArray.Cap.filter_map: ('a -> 'b option) -> ('a, [< `Read | `Write > `Read ]) t -> ('b, [< `Read | `Write ]) t
BatArray.Cap.find: ('a -> bool) -> ('a, [< `Read | `Write > `Read ]) t -> 'a
BatArray.Cap.find_all : ('a -> bool) -> ('a, [< `Read | `Write > `Read ]) t -> ('a, [< `Read | `Write ]) t
BatArray.Cap.find_map : ('a -> 'b option) -> ('a, [< `Read | `Write > `Read ]) t -> 'b option
BatArray.Cap.find_opt: ('a -> bool) -> ('a, [< `Read | `Write > `Read ]) t -> 'a option
BatArray.Cap.findi: ('a -> bool) -> ('a, [< `Read | `Write > `Read ]) t -> int
BatArray.Cap.fold: ('a -> 'b -> 'a) -> 'a -> ('b, [< `Read | `Write > `Read ]) t -> 'a
BatArray.Cap.fold_left: ('a -> 'b -> 'a) -> 'a -> ('b, [< `Read | `Write > `Read ]) t -> 'a
BatArray.Cap.fold_right: ('b -> 'a -> 'a) -> ('b, [< `Read | `Write > `Read ]) t -> 'a -> 'a
BatArray.Cap.fold_while: ('acc -> 'a -> bool) -> ('acc -> 'a -> 'acc) -> 'acc -> ('a, [< `Read | `Write > `Read ]) t -> 'acc * int
BatArray.Cap.for_all: ('a -> bool) -> ('a, [< `Read | `Write > `Read ]) t -> bool
BatArray.Cap.init: int -> (int -> 'a) -> ('a, [< `Read | `Write]) t
BatArray.Cap.iter: ('a -> unit) -> ('a, [< `Read | `Write > `Read ]) t -> unit
BatArray.Cap.iter2: ('a -> 'b -> unit) -> ('a, [< `Read | `Write > `Read ]) t -> ('b, [< `Read | `Write > `Read ]) t -> unit
BatArray.Cap.iter2i : (int -> 'a -> 'b -> unit) -> ('a, [< `Read | `Write > `Read |) t -> ('b, [< `Read | `Write > `Read |) t -> unit
BatArray.Cap.iteri: (int -> 'a -> unit) -> ('a, [< `Read | `Write > `Read ]) t -> unit
BatArray.Cap.make_matrix: int -> int -> 'a -> (('a, [< `Read | `Write ]) t, [< `Read | `Write ]) t
BatArray.Cap.map: ('a -> 'b) -> ('a, [< `Read | `Write > `Read ]) t -> ('b, [< `Read | `Write ]) t
BatArray.Cap.mapi : (int -> 'a -> 'b) -> ('a, [< `Read | `Write > `Read ]) t -> ('b, [< `Read | `Write ]) t
BatArray.Cap.mem: 'a -> ('a, [< `Read | `Write > `Read ]) t -> bool
BatArray.Cap.memq: 'a -> ('a, [< `Read | `Write > `Read ]) t -> bool
```

**Batteries** BatArray.Cap.modify: ('a -> 'a) -> ('a, [`Read | `Write]) t -> unit BatArray.Cap.modifyi: (int -> 'a -> 'a) -> ('a, [`Read | `Write]) t -> unit BatArray.Cap.of\_backwards: 'a BatEnum.t -> ('a, [< `Read | `Write ]) t BatArray.Cap.of enum: 'a BatEnum.t -> ('a. [< `Read | `Write ]) t BatArray.Cap.of\_list: 'a list -> ('a, [< `Read | `Write ]) t BatArray.Cap.ord: 'a BatOrd.ord -> ('a, [< `Read | `Write > `Read |) t BatOrd.ord BatArray.Cap.partition: ('a -> bool) -> ('a, [< `Read | `Write > `Read ] ) t -> ('a, [< `Read | `Write ]) t \* ('a, [< `Read | `Write ]) t BatArray.Cap.pivot\_split: 'a BatOrd.ord -> ('a, [< `Read | `Write > `Read ]) t -> 'a -> int \* int BatArray.Cap.print: ?first:string -> ?last:string -> ?sep:string -> ('a BatIO.output -> 'b -> unit) -> 'a BatIO.output -> ('b, [< `Read | `Write > `Read ]) t -> unit BatArray.Cap.rev : ('a, [< `Read | `Write > `Read ]) t -> ('a, [< `Read | `Write ]) t BatArray.Cap.rev\_in\_place: ('a, [ `Read | `Write ]) t -> unit BatArray.Cap.sort : ('a -> 'a -> int) -> ('a, [ `Read | `Write ]) t -> unit BatArray.Cap.split: ('a \* 'b, [< `Read | `Write > `Read ]) t -> ('a, [< `Read | `Write ]) t \* ('b, [< `Read | `Write ]) t BatArray.Cap.stable\_sort: ('a -> 'a -> int) -> ('a, [ `Read | `Write ]) t -> unit BatArray.Cap.sub: ('a, [< `Read | `Write > `Read ]) t -> int -> ('a, [< `Read | `Write ]) t BatArray.Cap.to\_list: ('a, [< `Read | `Write > `Read ]) t -> 'a list BatArray.Exceptionless.find : ('a -> bool) -> 'a t -> 'a option BatArray.Exceptionless.findi : ('a -> bool) -> 'a t -> int option BatArray.Labels.LExceptionless.find: f:('a -> bool) -> 'a t -> 'a option BatArray.Labels.LExceptionless.findi: f:('a -> bool) -> 'a t -> int option BatArray.Labels.blit: src:'a array -> src\_pos:int -> dst:'a array -> dst\_pos:int -> len:int -> unit BatArray.Labels.count\_matching: f:('a -> bool) -> 'a t -> int BatArray.Labels.create: int -> init:'a -> 'a array BatArray.Labels.create\_matrix: dimx:int -> dimy:int -> 'a -> 'a array array BatArray.Labels.exists: f:('a -> bool) -> 'a t -> bool BatArray.Labels.fast\_sort: cmp:('a -> 'a -> int) -> 'a array -> unit BatArray.Labels.fill: 'a array -> pos:int -> len:int -> 'a -> unit BatArray.Labels.filter: f:('a -> bool) -> 'a t -> 'a t BatArray.Labels.filter\_map: f:('a -> 'b option) -> 'a t -> 'b t BatArray.Labels.find: f:('a -> bool) -> 'a t -> 'a BatArray.Labels.find\_map: f:('a -> 'b option) -> 'a array -> 'b option BatArray.Labels.find\_opt: f:('a -> bool) -> 'a t -> 'a option BatArray.Labels.findi: f:('a -> bool) -> 'a t -> int BatArray.Labels.fold: f:('a -> 'b -> 'a) -> init:'a -> 'b array -> 'a

**Batteries** 

BatArray.Labels.fold\_left: f:('a -> 'b -> 'a) -> init:'a -> 'b array -> 'a

BatArray.Labels.fold\_right: f:('b -> 'a -> 'a) -> 'b array -> init:'a -> 'a

BatArray.Labels.fold\_while: p:('acc -> 'a -> bool) -> f:('acc -> 'a -> 'acc) -> init:'acc -> 'a array -> 'acc \* int

BatArray.Labels.for\_all: f:('a -> bool) -> 'a t -> bool

BatArray.Labels.init : int -> f:(int -> 'a) -> 'a array

BatArray.Labels.iter: f:('a -> unit) -> 'a array -> unit

BatArray.Labels.iter2 : f:('a -> 'b -> unit) -> 'a t -> 'b t -> unit

BatArrav.Labels.iter2i : f:(int -> 'a -> 'b -> unit) -> 'a t -> 'b t -> unit

BatArray.Labels.iteri: f:(int -> 'a -> unit) -> 'a array -> unit

BatArray.Labels.make\_matrix: dimx:int -> dimy:int -> 'a -> 'a array array

BatArray.Labels.map: f:('a -> 'b) -> 'a t -> 'b t

BatArray.Labels.mapi : f:(int -> 'a -> 'b) -> 'a t -> 'b t

BatArray.Labels.modify: f:('a -> 'a) -> 'a array -> unit

BatArray.Labels.modifyi: f:(int -> 'a -> 'a) -> 'a array -> unit

BatArray.Labels.sort: cmp:('a -> 'a -> int) -> 'a array -> unit

BatArray.Labels.stable\_sort : cmp:('a -> 'a -> int) -> 'a array -> unit

BatArray.Labels.sub: 'a array -> pos:int -> len:int -> 'a array

BatArray.append: 'a array -> 'a array -> 'a array

BatArray.avg: int array -> float

BatArray.backwards: 'a array -> 'a BatEnum.t

BatArray.blit: 'a array -> int -> 'a array -> int -> unit

BatArray.bsearch: 'a BatOrd.ord -> 'a array -> 'a -> [ `All\_bigger | `All\_lower | `At of int | `Empty | `Just\_after of int ]

BatArray.cartesian\_product : 'a array -> 'b array -> ('a \* 'b) array

BatArray.combine: 'a array -> 'b array -> ('a \* 'b) array

BatArray.compare: 'a BatOrd.comp -> 'a array BatOrd.comp

BatArray.concat: 'a array list -> 'a array

BatArray.copy: 'a array -> 'a array

BatArray.count\_matching: ('a -> bool) -> 'a array -> int

BatArray.create\_matrix : int -> int -> 'a -> 'a array array

BatArray.decorate\_fast\_sort : ('a -> 'b) -> 'a array -> 'a array

BatArray.decorate\_stable\_sort : ('a -> 'b) -> 'a array -> 'a array

BatArray.enum: 'a array -> 'a BatEnum.t

BatArray.equal: 'a BatOrd.eq -> 'a array BatOrd.eq

BatArray.exists: ('a -> bool) -> 'a array -> bool

Batteries

BatArray.exists2: ('a -> 'b -> bool) -> 'a array -> 'b array -> bool

BatArray.fast\_sort : ('a -> 'a -> int) -> 'a array -> unit

BatArray.favg : float array -> float

BatArray.fill: 'a array -> int -> int -> 'a -> unit

BatArray.filter: ('a -> bool) -> 'a array -> 'a array

BatArray.filter\_map : ('a -> 'b option) -> 'a array -> 'b array

BatArray.filteri: (int -> 'a -> bool) -> 'a array -> 'a array

BatArray.find: ('a -> bool) -> 'a array -> 'a

BatArray.find\_all: ('a -> bool) -> 'a array -> 'a array

BatArray.find\_map: ('a -> 'b option) -> 'a array -> 'b option

BatArray.find\_opt: ('a -> bool) -> 'a array -> 'a option

BatArray.findi : ('a -> bool) -> 'a array -> int

BatArray.fold: ('a -> 'b -> 'a) -> 'a -> 'b array -> 'a

BatArray.fold\_left: ('a -> 'b -> 'a) -> 'a -> 'b array -> 'a

BatArray.fold\_left\_map : ('a -> 'b -> 'a \* 'c) -> 'a -> 'b array -> 'a \* 'c array

BatArray.fold\_lefti: ('a -> int -> 'b -> 'a) -> 'a -> 'b array -> 'a

BatArray.fold\_right: ('b -> 'a -> 'a) -> 'b array -> 'a -> 'a

BatArray.fold\_righti : (int -> 'b -> 'a -> 'a) -> 'b array -> 'a -> 'a

BatArray.fold\_while: ('acc -> 'a -> bool) -> ('acc -> 'a -> 'acc) -> 'acc -> 'a array -> 'acc \* int

BatArray.for\_all: ('a -> bool) -> 'a array -> bool

BatArray.for\_all2: ('a -> 'b -> bool) -> 'a array -> 'b array -> bool

BatArray.fsum : float array -> float

BatArray.head: 'a array -> int -> 'a array

BatArray.init: int -> (int -> 'a) -> 'a array

BatArray.insert : 'a array -> 'a -> int -> 'a array

BatArray.is\_sorted\_by: ('a -> 'b) -> 'a array -> bool

BatArray.iter: ('a -> unit) -> 'a array -> unit

BatArray.iter2: ('a -> 'b -> unit) -> 'a array -> 'b array -> unit

BatArray.iter2i: (int -> 'a -> 'b -> unit) -> 'a array -> 'b array -> unit

BatArray.iteri: (int -> 'a -> unit) -> 'a array -> unit

BatArray.kahan\_sum : float array -> float

BatArray.left: 'a array -> int -> 'a array

BatArray.make\_float : int -> float array

BatArray.make\_matrix: int -> int -> 'a -> 'a array array

**Batteries** BatArray.map: ('a -> 'b) -> 'a array -> 'b array BatArray.map2 : ('a -> 'b -> 'c) -> 'a array -> 'b array -> 'c array BatArray.mapi: (int -> 'a -> 'b) -> 'a array -> 'b array BatArray.max: 'a array -> 'a BatArray.mem : 'a -> 'a array -> bool BatArray.memq: 'a -> 'a array -> bool BatArray.min: 'a array -> 'a BatArray.min\_max : 'a array -> 'a \* 'a BatArray.modify: ('a -> 'a) -> 'a array -> unit BatArray.modifyi: (int -> 'a -> 'a) -> 'a array -> unit BatArray.of\_backwards: 'a BatEnum.t -> 'a array BatArray.of\_enum : 'a BatEnum.t -> 'a array BatArray.of\_list : 'a list -> 'a array BatArray.of\_seq: 'a Seq.t -> 'a array BatArray.ord: 'a BatOrd.ord -> 'a array BatOrd.ord BatArray.partition: ('a -> bool) -> 'a array -> 'a array \* 'a array BatArray.pivot\_split: 'a BatOrd.ord -> 'a array -> 'a -> int \* int BatArray.print: ?first:string -> ?last:string -> ?sep:string -> ('a, 'b) BatIO.printer -> ('a t, 'b) BatIO.printer BatArray.range: 'a array -> int BatEnum.t BatArray.reduce : ('a -> 'a -> 'a) -> 'a array -> 'a BatArray.remove\_at : int -> 'a array -> 'a array BatArray.rev: 'a array -> 'a array BatArray.rev\_in\_place : 'a array -> unit BatArray.right: 'a array -> int -> 'a array BatArray.shuffle: ?state:Random.State.t -> 'a array -> unit BatArray.singleton: 'a -> 'a array BatArray.sort: ('a -> 'a -> int) -> 'a array -> unit BatArray.split: ('a \* 'b) array -> 'a array \* 'b array BatArray.stable\_sort : ('a -> 'a -> int) -> 'a array -> unit BatArray.sub: 'a array -> int -> int -> 'a array BatArray.sum: int array -> int BatArray.tail: 'a array -> int -> 'a array BatArray.to\_list : 'a array -> 'a list

BatArray.to\_seq: 'a array -> 'a Seq.t

**Batteries** BatArray.to\_seqi: 'a array -> (int \* 'a) Seq.t BatList.Labels.LExceptionless.assoc: 'a -> ('a \* 'b) list -> 'b option BatList.Labels.LExceptionless.assoc\_inv: 'b -> ('a \* 'b) list -> 'a option BatList.Labels.LExceptionless.assg: 'a -> ('a \* 'b) list -> 'b option BatList.Labels.LExceptionless.at: 'a list -> int -> [ `Invalid\_argument of string | `Ok of 'a ] BatList.Labels.LExceptionless.find: f:('a -> bool) -> 'a list -> 'a option BatList.Labels.LExceptionless.findi: f:(int -> 'a -> bool) -> 'a list -> (int \* 'a) option BatList.Labels.LExceptionless.rfind: f:('a -> bool) -> 'a list -> 'a option BatList.Labels.LExceptionless.split\_at: int -> 'a list -> [ `Invalid\_argument of string | `Ok of 'a list \* 'a list ] BatList.Labels.concat\_map: f:('a -> 'b list) -> 'a list -> 'b list BatList.Labels.count\_matching: f:('a -> bool) -> 'a list -> int BatList.Labels.drop\_while: f:('a -> bool) -> 'a list -> 'a list BatList.Labels.exists: f:('a -> bool) -> 'a list -> bool BatList.Labels.exists2: f:('a -> 'b -> bool) -> 'a list -> 'b list -> bool BatList.Labels.fast\_sort : ?cmp:('a -> 'a -> int) -> 'a list -> 'a list BatList.Labels.filter: f:('a -> bool) -> 'a list -> 'a list BatList.Labels.filter\_map: f:('a -> 'b option) -> 'a list -> 'b list BatList.Labels.find: f:('a -> bool) -> 'a list -> 'a BatList.Labels.find\_all: f:('a -> bool) -> 'a list -> 'a list BatList.Labels.find\_exn: f:('a -> bool) -> exn -> 'a list -> 'a BatList.Labels.find\_map\_opt : f:('a -> 'b option) -> 'a list -> 'b option BatList.Labels.findi: f:(int -> 'a -> bool) -> 'a list -> int \* 'a BatList.Labels.fold: f:('a -> 'b -> 'a) -> init:'a -> 'b list -> 'a BatList.Labels.fold\_left: f:('a -> 'b -> 'a) -> init:'a -> 'b list -> 'a BatList.Labels.fold\_left2: f:('a -> 'b -> 'c -> 'a) -> init:'a -> 'b list -> 'c list -> 'a BatList.Labels.fold\_right: f:('a -> 'b -> 'b) -> 'a list -> init:'b -> 'b BatList.Labels.fold\_right2: f:('a -> 'b -> 'c -> 'c) -> 'a list -> 'b list -> init:'c -> 'c BatList.Labels.for\_all: f:('a -> bool) -> 'a list -> bool BatList.Labels.for\_all2: f:('a -> 'b -> bool) -> 'a list -> 'b list -> bool BatList.Labels.init: int -> f:(int -> 'a) -> 'a list BatList.Labels.iter: f:('a -> unit) -> 'a list -> unit BatList.Labels.iter2: f:('a -> 'b -> unit) -> 'a list -> 'b list -> unit

BatList.Labels.iteri : f:(int -> 'a -> unit) -> 'a list -> unit

BatList.Labels.map : f:('a -> 'b) -> 'a list -> 'b list

**Batteries** 

BatList.Labels.map2 : f:('a -> 'b -> 'c) -> 'a list -> 'b list -> 'c list

BatList.Labels.mapi: f:(int -> 'a -> 'b) -> 'a list -> 'b list

BatList.Labels.merge:?cmp:('a -> 'a -> int) -> 'a list -> 'a list -> 'a list

BatList.Labels.partition: f:('a -> bool) -> 'a list -> 'a list \* 'a list

BatList.Labels.partition\_map: f:('a -> ('b, 'c) BatEither.t) -> 'a list -> 'b list \* 'c list

BatList.Labels.remove\_if: f:('a -> bool) -> 'a list -> 'a list

BatList.Labels.rev\_map: f:('a -> 'b) -> 'a list -> 'b list

BatList.Labels.rev\_map2 : f:('a -> 'b -> 'c) -> 'a list -> 'b list -> 'c list

BatList.Labels.rfind: f:('a -> bool) -> 'a list -> 'a

BatList.Labels.stable\_sort : ?cmp:('a -> 'a -> int) -> 'a list -> 'a list

BatList.Labels.subset: cmp:('a -> 'b -> int) -> 'a list -> 'b list -> bool

BatList.Labels.take\_while: f:('a -> bool) -> 'a list -> 'a list

BatList.(@): 'a list -> 'a list -> 'a list

BatList.Exceptionless.assoc: 'a -> ('a \* 'b) list -> 'b option

BatList.Exceptionless.assoc\_inv: 'b -> ('a \* 'b) list -> 'a option

BatList.Exceptionless.assg: 'a -> ('a \* 'b) list -> 'b option

BatList.Exceptionless.at: 'a list -> int -> [ `Invalid argument of string | `Ok of 'a ]

BatList.Exceptionless.find: ('a -> bool) -> 'a list -> 'a option

BatList.Exceptionless.find\_map: ('a -> 'b option) -> 'a list -> 'b option

BatList.Exceptionless.findi : (int -> 'a -> bool) -> 'a list -> (int \* 'a) option

BatList.Exceptionless.hd: 'a list -> 'a option

BatList.Exceptionless.last: 'a list -> 'a option

BatList.Exceptionless.max:?cmp:('a -> 'a -> int) -> 'a list -> 'a option

BatList.Exceptionless.min: ?cmp:('a -> 'a -> int) -> 'a list -> 'a option

BatList.Exceptionless.min\_max:?cmp:('a -> 'a -> int) -> 'a list -> ('a \* 'a) option

BatList.Exceptionless.reduce : ('a -> 'a -> 'a) -> 'a list -> 'a option

BatList.Exceptionless.rfind: ('a -> bool) -> 'a list -> 'a option

BatList.Exceptionless.split\_at: int -> 'a list -> [ `Invalid\_argument of string | `Ok of 'a list \* 'a list ]

BatList.Exceptionless.tl: 'a list -> 'a list option

BatList.Labels.LExceptionless.assoc: 'a -> ('a \* 'b) list -> 'b option

BatList.Labels.LExceptionless.assoc\_inv: 'b -> ('a \* 'b) list -> 'a option

BatList.Labels.LExceptionless.assg: 'a -> ('a \* 'b) list -> 'b option

BatList.Labels.LExceptionless.at: 'a list -> int -> [`Invalid\_argument of string | `Ok of 'a ]

BatList.Labels.LExceptionless.find: f:('a -> bool) -> 'a list -> 'a option

**Batteries** 

BatList.Labels.LExceptionless.findi: f:(int -> 'a -> bool) -> 'a list -> (int \* 'a) option

BatList.Labels.LExceptionless.rfind: f:('a -> bool) -> 'a list -> 'a option

BatList.Labels.LExceptionless.split\_at: int -> 'a list -> [ `Invalid\_argument of string | `Ok of 'a list \* 'a list ]

BatList.Labels.concat\_map: f:('a -> 'b list) -> 'a list -> 'b list

BatList.Labels.count\_matching: f:('a -> bool) -> 'a list -> int

BatList.Labels.drop\_while: f:('a -> bool) -> 'a list -> 'a list

BatList.Labels.exists: f:('a -> bool) -> 'a list -> bool

BatList.Labels.exists2: f:('a -> 'b -> bool) -> 'a list -> 'b list -> bool

BatList.Labels.fast\_sort:?cmp:('a -> 'a -> int) -> 'a list -> 'a list

BatList.Labels.filter: f:('a -> bool) -> 'a list -> 'a list

BatList.Labels.filter\_map: f:('a -> 'b option) -> 'a list -> 'b list

BatList.Labels.find: f:('a -> bool) -> 'a list -> 'a

BatList.Labels.find\_all: f:('a -> bool) -> 'a list -> 'a list

BatList.Labels.find\_exn: f:('a -> bool) -> exn -> 'a list -> 'a

BatList.Labels.find\_map\_opt: f:('a -> 'b option) -> 'a list -> 'b option

BatList.Labels.findi: f:(int -> 'a -> bool) -> 'a list -> int \* 'a

BatList.Labels.fold: f:('a -> 'b -> 'a) -> init:'a -> 'b list -> 'a

BatList.Labels.fold\_left: f:('a -> 'b -> 'a) -> init:'a -> 'b list -> 'a

BatList.Labels.fold\_left2: f:('a -> 'b -> 'c -> 'a) -> init:'a -> 'b list -> 'c list -> 'a

BatList.Labels.fold\_right: f:('a -> 'b -> 'b) -> 'a list -> init:'b -> 'b

BatList.Labels.fold\_right2 : f:('a -> 'b -> 'c -> 'c) -> 'a list -> 'b list -> init:'c -> 'c

BatList.Labels.for\_all: f:('a -> bool) -> 'a list -> bool

BatList.Labels.for\_all2: f:('a -> 'b -> bool) -> 'a list -> 'b list -> bool

BatList.Labels.init: int -> f:(int -> 'a) -> 'a list

BatList.Labels.iter: f:('a -> unit) -> 'a list -> unit

BatList.Labels.iter2: f:('a -> 'b -> unit) -> 'a list -> 'b list -> unit

BatList.Labels.iteri: f:(int -> 'a -> unit) -> 'a list -> unit

BatList.Labels.map: f:('a -> 'b) -> 'a list -> 'b list

BatList.Labels.map2: f:('a -> 'b -> 'c) -> 'a list -> 'b list -> 'c list

BatList.Labels.mapi: f:(int -> 'a -> 'b) -> 'a list -> 'b list

BatList.Labels.merge:?cmp:('a -> 'a -> int) -> 'a list -> 'a list -> 'a list

BatList.Labels.partition: f:('a -> bool) -> 'a list -> 'a list \* 'a list

BatList.Labels.partition\_map : f:('a -> ('b, 'c) BatEither.t) -> 'a list -> 'b list \* 'c list

BatList.Labels.remove\_if: f:('a -> bool) -> 'a list -> 'a list

**Batteries** BatList.Labels.rev\_map: f:('a -> 'b) -> 'a list -> 'b list BatList.Labels.rev\_map2: f:('a -> 'b -> 'c) -> 'a list -> 'b list -> 'c list BatList.Labels.rfind: f:('a -> bool) -> 'a list -> 'a BatList.Labels.stable\_sort:?cmp:('a -> 'a -> int) -> 'a list -> 'a list BatList.Labels.subset: cmp:('a -> 'b -> int) -> 'a list -> 'b list -> bool BatList.Labels.take\_while: f:('a -> bool) -> 'a list -> 'a list BatList.append: 'a list -> 'a list -> 'a list BatList.assoc: 'a -> ('a \* 'b) list -> 'b BatList.assoc\_inv: 'b -> ('a \* 'b) list -> 'a BatList.assoc\_opt: 'a -> ('a \* 'b) list -> 'b option BatList.assq: 'a -> ('a \* 'b) list -> 'b BatList.assq\_inv: 'b -> ('a \* 'b) list -> 'a BatList.assq\_opt: 'a -> ('a \* 'b) list -> 'b option BatList.at: 'a list -> int -> 'a BatList.at\_opt: 'a list -> int -> 'a option BatList.backwards: 'a list -> 'a BatEnum.t BatList.cartesian\_product: 'a list -> 'b list -> ('a \* 'b) list BatList.combine: 'a list -> 'b list -> ('a \* 'b) list BatList.compare: 'a BatOrd.comp -> 'a list BatOrd.comp BatList.compare\_length\_with: 'a list -> int -> int BatList.compare\_lengths: 'a list -> 'b list -> int BatList.concat: 'a list list -> 'a list BatList.concat\_map: ('a -> 'b list) -> 'a list -> 'b list BatList.cons: 'a -> 'a list -> 'a list BatList.count\_matching : ('a -> bool) -> 'a list -> int BatList.drop: int -> 'a list -> 'a list BatList.drop\_while: ('a -> bool) -> 'a list -> 'a list BatList.dropwhile: ('a -> bool) -> 'a list -> 'a list BatList.enum: 'a list -> 'a BatEnum.t BatList.eq: 'a BatOrd.eq -> 'a list BatOrd.eq BatList.equal: ('a -> 'a -> bool) -> 'a list -> 'a list -> bool BatList.exists: ('a -> bool) -> 'a list -> bool

BatList.exists2 : ('a -> 'b -> bool) -> 'a list -> 'b list -> bool

BatList.fast\_sort : ('a -> 'a -> int) -> 'a list -> 'a list

**Batteries** 

BatList.favg: float list -> float

BatList.filter: ('a -> bool) -> 'a list -> 'a list

BatList.filter\_map: ('a -> 'b option) -> 'a list -> 'b list

BatList.filteri: (int -> 'a -> bool) -> 'a list -> 'a list

BatList.filteri\_map: (int -> 'a -> 'b option) -> 'a list -> 'b list

BatList.find: ('a -> bool) -> 'a list -> 'a

BatList.find\_all: ('a -> bool) -> 'a list -> 'a list

BatList.find\_exn: ('a -> bool) -> exn -> 'a list -> 'a

BatList.find\_map: ('a -> 'b option) -> 'a list -> 'b

BatList.find\_map\_opt: ('a -> 'b option) -> 'a list -> 'b option

BatList.find\_opt: ('a -> bool) -> 'a list -> 'a option

BatList.findi : (int -> 'a -> bool) -> 'a list -> int \* 'a

BatList.first: 'a list -> 'a

BatList.flatten: 'a list list -> 'a list

BatList.fold: ('a -> 'b -> 'a) -> 'a -> 'b list -> 'a

BatList.fold\_left: ('a -> 'b -> 'a) -> 'a -> 'b list -> 'a

BatList.fold\_left2 : ('a -> 'b -> 'c -> 'a) -> 'a -> 'b list -> 'c list -> 'a

BatList.fold\_left\_map : ('a -> 'b -> 'a \* 'c) -> 'a -> 'b list -> 'a \* 'c list

BatList.fold\_lefti : ('a -> int -> 'b -> 'a) -> 'a -> 'b list -> 'a

BatList.fold\_right: ('a -> 'b -> 'b) -> 'a list -> 'b -> 'b

BatList.fold\_right2: ('a -> 'b -> 'c -> 'c) -> 'a list -> 'b list -> 'c -> 'c

BatList.fold\_righti: (int -> 'b -> 'a -> 'a) -> 'b list -> 'a -> 'a

BatList.fold\_while: ('acc -> 'a -> bool) -> ('acc -> 'a -> 'acc) -> 'acc -> 'a list -> 'acc \* 'a list

BatList.for\_all: ('a -> bool) -> 'a list -> bool

BatList.for\_all2: ('a -> 'b -> bool) -> 'a list -> 'b list -> bool

BatList.frange: float -> [< `Downto | `To ] -> float -> int -> float list

BatList.fsum : float list -> float

BatList.group: ('a -> 'a -> int) -> 'a list -> 'a list list

BatList.group\_consecutive : ('a -> 'a -> bool) -> 'a list -> 'a list list

BatList.hd: 'a list -> 'a

BatList.index\_of: 'a -> 'a list -> int option

BatList.index\_ofq: 'a -> 'a list -> int option

BatList.init: int -> (int -> 'a) -> 'a list

BatList.interleave: ?first:'a -> ?last:'a -> 'a list -> 'a list

Batteries BatList.is\_empty: 'a list -> bool BatList.iter: ('a -> unit) -> 'a list -> unit BatList.iter2: ('a -> 'b -> unit) -> 'a list -> 'b list -> unit BatList.iter2i: (int -> 'a -> 'b -> unit) -> 'a list -> 'b list -> unit BatList.iteri: (int -> 'a -> unit) -> 'a list -> unit BatList.kahan\_sum : float list -> float BatList.last: 'a list -> 'a BatList.length: 'a list -> int BatList.make: int -> 'a -> 'a list BatList.map: ('a -> 'b) -> 'a list -> 'b list BatList.map2: ('a -> 'b -> 'c) -> 'a list -> 'b list -> 'c list BatList.map2i : (int -> 'a -> 'b -> 'c) -> 'a list -> 'b list -> 'c list BatList.mapi : (int -> 'a -> 'b) -> 'a list -> 'b list BatList.max : ?cmp:('a -> 'a -> int) -> 'a list -> 'a BatList.mem: 'a -> 'a list -> bool BatList.mem\_assoc : 'a -> ('a \* 'b) list -> bool BatList.mem\_assq: 'a -> ('a \* 'b) list -> bool BatList.mem\_cmp: ('a -> 'a -> int) -> 'a -> 'a list -> bool BatList.memq: 'a -> 'a list -> bool BatList.merge : ('a -> 'a -> int) -> 'a list -> 'a list -> 'a list BatList.min: ?cmp:('a -> 'a -> int) -> 'a list -> 'a BatList.min\_max : ?cmp:('a -> 'a -> int) -> 'a list -> 'a \* 'a BatList.modify: 'a -> ('b -> 'b) -> ('a \* 'b) list -> ('a \* 'b) list BatList.modify\_at: int -> ('a -> 'a) -> 'a list -> 'a list BatList.modify\_def: 'b -> 'a -> ('b -> 'b) -> ('a \* 'b) list -> ('a \* 'b) list BatList.modify\_opt: 'a -> ('b option -> 'b option) -> ('a \* 'b) list -> ('a \* 'b) list BatList.modify\_opt\_at: int -> ('a -> 'a option) -> 'a list -> 'a list BatList.n\_cartesian\_product : 'a list list -> 'a list list BatList.nsplit: ('a -> bool) -> 'a list -> 'a list list BatList.ntake: int -> 'a list -> 'a list list BatList.nth: 'a list -> int -> 'a BatList.nth\_opt: 'a list -> int -> 'a option

BatList.of\_backwards : 'a BatEnum.t -> 'a list
BatList.of enum : 'a BatEnum.t -> 'a list

Batteries

BatList.of\_seq: 'a Seq.t -> 'a list

BatList.ord: 'a BatOrd.ord -> 'a list BatOrd.ord

BatList.partition: ('a -> bool) -> 'a list -> 'a list \* 'a list

BatList.partition\_map: ('a -> ('b, 'c) BatEither.t) -> 'a list -> 'b list \* 'c list

BatList.print: ?first:string -> ?last:string -> ?sep:string -> ('a BatInnerIO.output -> 'b -> unit) -> 'a BatInnerIO.output -> 'b list -> unit

BatList.range: int -> [< `Downto | `To ] -> int -> int list

BatList.reduce : ('a -> 'a -> 'a) -> 'a list -> 'a

BatList.remove : 'a list -> 'a -> 'a list

BatList.remove\_all: 'a list -> 'a -> 'a list

BatList.remove\_assoc : 'a -> ('a \* 'b) list -> ('a \* 'b) list

BatList.remove\_assq: 'a -> ('a \* 'b) list -> ('a \* 'b) list

BatList.remove\_at: int -> 'a list -> 'a list

BatList.remove\_if: ('a -> bool) -> 'a list -> 'a list

BatList.rev: 'a list -> 'a list

BatList.rev\_append: 'a list -> 'a list -> 'a list

BatList.rev\_map: ('a -> 'b) -> 'a list -> 'b list

BatList.rev\_map2 : ('a -> 'b -> 'c) -> 'a list -> 'b list -> 'c list

BatList.rfind: ('a -> bool) -> 'a list -> 'a

BatList.rindex\_of: 'a -> 'a list -> int option

BatList.rindex\_ofq: 'a -> 'a list -> int option

BatList.shuffle: ?state:Random.State.t -> 'a list -> 'a list

BatList.singleton: 'a -> 'a list

BatList.sort : ('a -> 'a -> int) -> 'a list -> 'a list

BatList.sort\_unig: ('a -> 'a -> int) -> 'a list -> 'a list

BatList.sort\_unique : ('a -> 'a -> int) -> 'a list -> 'a list

BatList.span: ('a -> bool) -> 'a list -> 'a list \* 'a list

BatList.split: ('a \* 'b) list -> 'a list \* 'b list

BatList.split\_at: int -> 'a list -> 'a list \* 'a list

BatList.split\_nth: int -> 'a list -> 'a list \* 'a list

BatList.stable\_sort : ('a -> 'a -> int) -> 'a list -> 'a list

BatList.subset : ('a -> 'b -> int) -> 'a list -> 'b list -> bool

BatList.sum : int list -> int

BatList.take : int -> 'a list -> 'a list

BatList.take\_while: ('a -> bool) -> 'a list -> 'a list

**Batteries** BatList.takedrop: int -> 'a list -> 'a list \* 'a list BatList.takewhile: ('a -> bool) -> 'a list -> 'a list BatList.tl : 'a list -> 'a list BatList.to seg: 'a list -> 'a Seg.t BatList.transpose : 'a list list -> 'a list list BatList.unfold: 'b -> ('b -> ('a \* 'b) option) -> 'a list BatList.unfold\_exc: (unit -> 'a) -> 'a list \* exn BatList.unfold\_exn: (unit -> 'a) -> 'a list \* exn BatList.unique: ?eq:('a -> 'a -> bool) -> 'a list -> 'a list BatList.unique\_cmp:?cmp:('a -> 'a -> int) -> 'a list -> 'a list BatList.unique\_hash: ?hash:('a -> int) -> ?eq:('a -> 'a -> bool) -> 'a list -> 'a list BatMap.( --> ): ('a, 'b) t -> 'a -> 'b BatMap.( <-- ): ('a, 'b) t -> 'a \* 'b -> ('a, 'b) t BatMap.Exceptionless.any: ('a, 'b) t -> ('a \* 'b) option BatMap.Exceptionless.choose: ('a, 'b) t -> ('a \* 'b) option BatMap.Exceptionless.find: 'a -> ('a, 'b) t -> 'b option BatMap.PMap.(-->): ('a, 'b) t -> 'a -> 'b BatMap.PMap.( <-- ): ('a, 'b) t -> 'a \* 'b -> ('a, 'b) t BatMap.PMap.Exceptionless.any: ('a, 'b) t -> ('a \* 'b) option BatMap.PMap.Exceptionless.choose: ('a, 'b) t -> ('a \* 'b) option BatMap.PMap.Exceptionless.find: 'a -> ('a, 'b) t -> 'b option BatMap.PMap.add: 'a -> 'b -> ('a, 'b) t -> ('a, 'b) t BatMap.PMap.add\_carry : 'a -> 'b -> ('a, 'b) t -> ('a, 'b) t \* 'b option BatMap.PMap.add\_seq: ('key \* 'a) BatSeq.t -> ('key, 'a) t -> ('key, 'a) t BatMap.PMap.any: ('key, 'a) t -> 'key \* 'a BatMap.PMap.at\_rank\_exn: int -> ('a, 'b) t -> 'a \* 'b BatMap.PMap.backwards: ('a, 'b) t -> ('a \* 'b) BatEnum.t BatMap.PMap.bindings: ('key, 'a) t -> ('key \* 'a) list BatMap.PMap.cardinal: ('a, 'b) t -> int BatMap.PMap.choose: ('key, 'a) t -> 'key \* 'a BatMap.PMap.choose\_opt: ('key, 'a) t -> ('key \* 'a) option BatMap.PMap.compare: ('b -> 'b -> int) -> ('a, 'b) t -> ('a, 'b) t -> int BatMap.PMap.create : ('a -> 'a -> int) -> ('a, 'b) t BatMap.PMap.diff: ('a, 'b) t -> ('a, 'b) t -> ('a, 'b) t

**Batteries** BatMap.PMap.empty: ('a, 'b) t BatMap.PMap.enum: ('a, 'b) t -> ('a \* 'b) BatEnum.t BatMap.PMap.equal: ('b -> 'b -> bool) -> ('a, 'b) t -> ('a, 'b) t -> bool BatMap.PMap.exists: ('a -> 'b -> bool) -> ('a. 'b) t -> bool BatMap.PMap.extract: 'a -> ('a, 'b) t -> 'b \* ('a, 'b) t BatMap.PMap.filter: ('key -> 'a -> bool) -> ('key, 'a) t -> ('key, 'a) t BatMap.PMap.filter\_map: ('key -> 'a -> 'b option) -> ('key, 'a) t -> ('key, 'b) t BatMap.PMap.filterv: ('a -> bool) -> ('key, 'a) t -> ('key, 'a) t BatMap.PMap.find: 'a -> ('a, 'b) t -> 'b BatMap.PMap.find\_default: 'b -> 'a -> ('a, 'b) t -> 'b BatMap.PMap.find\_first : ('a -> bool) -> ('a, 'b) t -> 'a \* 'b BatMap.PMap.find\_first\_opt: ('a -> bool) -> ('a, 'b) t -> ('a \* 'b) option BatMap.PMap.find\_last : ('a -> bool) -> ('a, 'b) t -> 'a \* 'b BatMap.PMap.find\_last\_opt : ('a -> bool) -> ('a, 'b) t -> ('a \* 'b) option BatMap.PMap.fold: ('b -> 'c -> 'c) -> ('a, 'b) t -> 'c -> 'c BatMap.PMap.foldi: ('a -> 'b -> 'c -> 'c) -> ('a, 'b) t -> 'c -> 'c BatMap.PMap.for\_all : ('a -> 'b -> bool) -> ('a, 'b) t -> bool BatMap.PMap.get\_cmp: ('a, 'b) t -> 'a -> int BatMap.PMap.intersect: ('b -> 'c -> 'd) -> ('a, 'b) t -> ('a, 'c) t -> ('a, 'd) t BatMap.PMap.is\_empty: ('a, 'b) t -> bool BatMap.PMap.iter : ('a -> 'b -> unit) -> ('a, 'b) t -> unit BatMap.PMap.keys: ('a, 'b) t -> 'a BatEnum.t BatMap.PMap.map: ('b -> 'c) -> ('a, 'b) t -> ('a, 'c) t BatMap.PMap.mapi : ('a -> 'b -> 'c) -> ('a, 'b) t -> ('a, 'c) t BatMap.PMap.max\_binding: ('key, 'a) t -> 'key \* 'a BatMap.PMap.max\_binding\_opt: ('key, 'a) t -> ('key \* 'a) option BatMap.PMap.mem: 'a -> ('a, 'b) t -> bool BatMap.PMap.merge: ('key, 'a) option -> 'b option -> 'c option) -> ('key, 'a) t -> ('key, 'b) t -> ('key, 'c) t BatMap.PMap.merge\_unsafe: ('key -> 'a option -> 'b option -> 'c option) -> ('key, 'a) t -> ('key, 'b) t -> ('key, 'c) t BatMap.PMap.min\_binding: ('key, 'a) t -> 'key \* 'a BatMap.PMap.min\_binding\_opt : ('key, 'a) t -> ('key \* 'a) option BatMap.PMap.modify: 'a -> ('b -> 'b) -> ('a, 'b) t -> ('a, 'b) t BatMap.PMap.modify\_def: 'b -> 'a -> ('b -> 'b) -> ('a, 'b) t -> ('a, 'b) t BatMap.PMap.modify\_opt: 'a -> ('b option -> 'b option) -> ('a, 'b) t -> ('a, 'b) t

**Batteries** BatMap.PMap.of\_enum : ?cmp:('a -> 'a -> int) -> ('a \* 'b) BatEnum.t -> ('a, 'b) t BatMap.PMap.of\_seq:?cmp:('key -> 'key -> int) -> ('key \* 'a) BatSeq.t -> ('key, 'a) t BatMap.PMap.partition: ('a -> 'b -> bool) -> ('a, 'b) t -> ('a, 'b) t \* ('a, 'b) t BatMap.PMap.pop: ('a, 'b) t -> ('a \* 'b) \* ('a, 'b) t BatMap.PMap.pop\_max\_binding: ('key, 'a) t -> ('key \* 'a) \* ('key, 'a) t BatMap.PMap.pop\_min\_binding: ('key, 'a) t -> ('key \* 'a) \* ('key, 'a) t BatMap.PMap.print: ?first:string -> ?last:string -> ?last:string -> ?last:string -> ?ep:string -> ('a BatInnerIO.output -> 'b -> unit) -> ('a BatInnerIO.output -> 'c -> unit) -> 'a BatInnerIO.output -> ('b, 'c) t -> unit) BatMap.PMap.remove : 'a -> ('a, 'b) t -> ('a, 'b) t BatMap.PMap.remove\_exn: 'a -> ('a, 'b) t -> ('a, 'b) t BatMap.PMap.singleton : ?cmp:('a -> 'a -> int) -> 'a -> 'b -> ('a, 'b) t BatMap.PMap.split: 'key -> ('key, 'a) t -> ('key, 'a) t \* 'a option \* ('key, 'a) t BatMap.PMap.to\_rev\_seq: ('key, 'a) t -> ('key \* 'a) BatSeq.t BatMap.PMap.to\_seq: ('key, 'a) t -> ('key \* 'a) BatSeq.t BatMap.PMap.to\_seq\_from : 'key -> ('key, 'a) t -> ('key \* 'a) BatSeq.t BatMap.PMap.union: ('a, 'b) t -> ('a, 'b) t -> ('a, 'b) t BatMap.PMap.union\_stdlib: ('key -> 'a -> 'a option) -> ('key, 'a) t -> ('key, 'a) t -> ('key, 'a) t BatMap.PMap.update: 'a -> 'a -> 'b -> ('a, 'b) t -> ('a, 'b) t BatMap.PMap.update\_stdlib: 'a -> ('b option -> 'b option) -> ('a, 'b) t -> ('a, 'b) t BatMap.PMap.values : ('a, 'b) t -> 'b BatEnum.t BatMap.S.Exceptionless.any: 'a t -> (key \* 'a) option BatMap.S.Exceptionless.choose: 'a t -> (key \* 'a) option BatMap.S.Exceptionless.find: key -> 'a t -> 'a option BatMap.S.Infix.( --> ) : 'a t -> key -> 'a BatMap.S.Infix.( <-- ): 'a t -> key \* 'a -> 'a t BatMap.S.Labels.add: key:key -> data:'a -> 'a t -> 'a t BatMap.S.Labels.compare : cmp:('a -> 'a -> int) -> 'a t -> 'a t -> int BatMap.S.Labels.equal: cmp:('a -> 'a -> bool) -> 'a t -> bool BatMap.S.Labels.filter: f:(key -> 'a -> bool) -> 'a t -> 'a t BatMap.S.Labels.filterv: f:('a -> bool) -> 'a t -> 'a t BatMap.S.Labels.fold: f:(key:key -> data:'a -> 'b -> 'b) -> 'a t -> init:'b -> 'b BatMap.S.Labels.iter: f:(key:key-> data:'a-> unit) -> 'a t-> unit BatMap.S.Labels.map : f:('a -> 'b) -> 'a t -> 'b t BatMap.S.Labels.mapi: f:(key:key -> data:'a -> 'b) -> 'a t -> 'b t

BatMap.S.add : key -> 'a -> 'a t -> 'a t

**Batteries** BatMap.S.add\_seq: (key \* 'a) BatSeq.t -> 'a t -> 'a t BatMap.S.any: 'a t -> key \* 'a BatMap.S.backwards : 'a t -> (key \* 'a) BatEnum.t BatMap.S.bindings: 'a t -> (key \* 'a) list BatMap.S.cardinal: 'a t -> int BatMap.S.choose: 'a t -> key \* 'a BatMap.S.choose\_opt: 'a t -> (key \* 'a) option BatMap.S.compare : ('a -> 'a -> int) -> 'a t -> 'a t -> int BatMap.S.empty: 'a t BatMap.S.enum: 'a t -> (key \* 'a) BatEnum.t BatMap.S.equal : ('a -> 'a -> bool) -> 'a t -> 'a t -> bool BatMap.S.exists: (key -> 'a -> bool) -> 'a t -> bool BatMap.S.extract: key -> 'a t -> 'a \* 'a t BatMap.S.filter: (key -> 'a -> bool) -> 'a t -> 'a t BatMap.S.filter\_map: (key -> 'a -> 'b option) -> 'a t -> 'b t BatMap.S.filterv: ('a -> bool) -> 'a t -> 'a t BatMap.S.find : key -> 'a t -> 'a BatMap.S.find\_default: 'a -> key -> 'a t -> 'a BatMap.S.find\_first: (key -> bool) -> 'a t -> key \* 'a BatMap.S.find\_first\_opt: (key -> bool) -> 'a t -> (key \* 'a) option BatMap.S.find\_last: (key -> bool) -> 'a t -> key \* 'a BatMap.S.find\_last\_opt: (key -> bool) -> 'a t -> (key \* 'a) option BatMap.S.find\_opt : key -> 'a t -> 'a option BatMap.S.fold : (key -> 'a -> 'b -> 'b) -> 'a t -> 'b -> 'b BatMap.S.for\_all: (key -> 'a -> bool) -> 'a t -> bool BatMap.S.is\_empty: 'a t -> bool BatMap.S.iter: (key -> 'a -> unit) -> 'a t -> unit BatMap.S.keys: 'a t -> key BatEnum.t BatMap.S.map : ('a -> 'b) -> 'a t -> 'b t BatMap.S.mapi : (key -> 'a -> 'b) -> 'a t -> 'b t BatMap.S.max\_binding: 'a t -> key \* 'a BatMap.S.max\_binding\_opt: 'a t -> (key \* 'a) option BatMap.S.mem : key -> 'a t -> bool BatMap.S.merge: (key -> 'a option -> 'b option -> 'c option) -> 'a t -> 'b t -> 'c t

**Batteries** BatMap.S.min\_binding: 'a t -> key \* 'a BatMap.S.min\_binding\_opt: 'a t -> (key \* 'a) option BatMap.S.modify: key -> ('a -> 'a) -> 'a t -> 'a t BatMap.S.modify\_def: 'a -> key -> ('a -> 'a) -> 'a t -> 'a t BatMap.S.modify\_opt: key -> ('a option -> 'a option) -> 'a t -> 'a t BatMap.S.of\_enum : (key \* 'a) BatEnum.t -> 'a t BatMap.S.of\_seq: (key \* 'a) BatSeq.t -> 'a t BatMap.S.partition: (key -> 'a -> bool) -> 'a t -> 'a t \* 'a t BatMap.S.pop: 'a t -> (key \* 'a) \* 'a t BatMap.S.pop\_max\_binding: 'a t -> (key \* 'a) \* 'a t BatMap.S.pop\_min\_binding: 'a t -> (key \* 'a) \* 'a t BatMap.S.print: ?first:string -> ?last:string -> ?sep:string -> ?kvsep:string -> ('a BatInnerIO.output -> 'c -> unit) -> ('a BatInnerIO.output -> 'c -> unit) -> ('a BatInnerIO.output -> 'c -> unit) -> 'c +o unit) -> BatMap.S.remove: key -> 'a t -> 'a t BatMap.S.remove\_exn: key -> 'a t -> 'a t BatMap.S.singleton: key -> 'a -> 'a t BatMap.S.split: key -> 'a t -> 'a t \* 'a option \* 'a t BatMap.S.to\_rev\_seq: 'a t -> (key \* 'a) BatSeq.t BatMap.S.to\_seq: 'a t -> (key \* 'a) BatSeq.t BatMap.S.to\_seq\_from: key -> 'a t -> (key \* 'a) BatSeq.t BatMap.S.union: (key -> 'a -> 'a option) -> 'a t -> 'a t -> 'a t BatMap.S.update: key -> key -> 'a -> 'a t -> 'a t BatMap.S.update\_stdlib: key -> ('a option -> 'a option) -> 'a t -> 'a t BatMap.S.values : 'a t -> 'a BatEnum.t BatMap.add: 'a -> 'b -> ('a, 'b) t -> ('a, 'b) t BatMap.add\_carry: 'a -> 'b -> ('a, 'b) t -> ('a, 'b) t \* 'b option BatMap.add\_seq: ('key \* 'a) BatSeq.t -> ('key, 'a) t -> ('key, 'a) t BatMap.any: ('key, 'a) t -> 'key \* 'a BatMap.at\_rank\_exn : int -> ('key, 'a) t -> 'key \* 'a BatMap.backwards: ('a, 'b) t -> ('a \* 'b) BatEnum.t BatMap.bindings: ('key, 'a) t -> ('key \* 'a) list BatMap.cardinal: ('a, 'b) t -> int BatMap.choose: ('key, 'a) t -> 'key \* 'a BatMap.choose\_opt: ('key, 'a) t -> ('key \* 'a) option BatMap.compare : ('b -> 'b -> int) -> ('a, 'b) t -> ('a, 'b) t -> int

**Batteries** BatMap.diff: ('a, 'b) t -> ('a, 'b) t -> ('a, 'b) t BatMap.empty: ('a, 'b) t BatMap.enum: ('a, 'b) t -> ('a \* 'b) BatEnum.t BatMap.equal: ('b -> 'b -> bool) -> ('a, 'b) t -> ('a, 'b) t -> bool BatMap.exists : ('a -> 'b -> bool) -> ('a, 'b) t -> bool BatMap.extract: 'a -> ('a, 'b) t -> 'b \* ('a, 'b) t BatMap.filter: ('key -> 'a -> bool) -> ('key, 'a) t -> ('key, 'a) t BatMap.filter\_map: ('key -> 'a -> 'b option) -> ('key, 'a) t -> ('key, 'b) t BatMap.filterv: ('a -> bool) -> ('key, 'a) t -> ('key, 'a) t BatMap.find: 'a -> ('a, 'b) t -> 'b BatMap.find\_default: 'b -> 'a -> ('a, 'b) t -> 'b BatMap.find\_first : ('a -> bool) -> ('a, 'b) t -> 'a \* 'b BatMap.find\_first\_opt : ('a -> bool) -> ('a, 'b) t -> ('a \* 'b) option BatMap.find\_last : ('a -> bool) -> ('a, 'b) t -> 'a \* 'b BatMap.find\_last\_opt : ('a -> bool) -> ('a, 'b) t -> ('a \* 'b) option BatMap.find\_opt: 'a -> ('a, 'b) t -> 'b option BatMap.fold: ('b -> 'c -> 'c) -> ('a, 'b) t -> 'c -> 'c BatMap.foldi: ('a -> 'b -> 'c -> 'c) -> ('a, 'b) t -> 'c -> 'c BatMap.for\_all: ('a -> 'b -> bool) -> ('a, 'b) t -> bool BatMap.intersect: ('b -> 'c -> 'd) -> ('a, 'b) t -> ('a, 'c) t -> ('a, 'd) t BatMap.is\_empty: ('a, 'b) t -> bool BatMap.iter: ('a -> 'b -> unit) -> ('a, 'b) t -> unit BatMap.keys: ('a, 'b) t -> 'a BatEnum.t BatMap.map: ('b -> 'c) -> ('a, 'b) t -> ('a, 'c) t BatMap.mapi : ('a -> 'b -> 'c) -> ('a, 'b) t -> ('a, 'c) t BatMap.max\_binding: ('key, 'a) t -> 'key \* 'a BatMap.max\_binding\_opt: ('key, 'a) t -> ('key \* 'a) option BatMap.mem : 'a -> ('a, 'b) t -> bool BatMap.merge : ('key -> 'a option -> 'b option -> 'c option) -> ('key, 'a) t -> ('key, 'b) t -> ('key, 'c) t BatMap.min\_binding: ('key, 'a) t -> 'key \* 'a BatMap.min\_binding\_opt : ('key, 'a) t -> ('key \* 'a) option BatMap.modify: 'a -> ('b -> 'b) -> ('a, 'b) t -> ('a, 'b) t BatMap.modify\_def: 'b -> 'a -> ('b -> 'b) -> ('a, 'b) t -> ('a, 'b) t BatMap.modify\_opt: 'a -> ('b option -> 'b option) -> ('a, 'b) t -> ('a, 'b) t

**Batteries** BatMap.of\_enum: ('a \* 'b) BatEnum.t -> ('a, 'b) t BatMap.of\_seq: ('key \* 'a) BatSeq.t -> ('key, 'a) t BatMap.partition : ('a -> 'b -> bool) -> ('a, 'b) t -> ('a, 'b) t \* ('a, 'b) t BatMap.pop: ('a, 'b) t -> ('a \* 'b) \* ('a, 'b) t BatMap.pop\_max\_binding: ('key, 'a) t -> ('key \* 'a) \* ('key, 'a) t BatMap.pop\_min\_binding: ('key, 'a) t -> ('key \* 'a) \* ('key, 'a) t BatMap.print: ?first:string -> ?last:string -> ?last:string -> ?sep:string -> ?kvsep:string -> ('a BatInnerIO.output -> 'b -> unit) -> ('a BatInnerIO.output -> 'c -> unit) -> 'a BatInnerIO.output -> ('b, 'c) t -> unit) -> 'a BatInnerIO.output -> ('b, 'c) t -> unit) -> 'a BatInnerIO.output -> ('b, 'c) t -> unit) -> 'a BatInnerIO.output -> ('b, 'c) t -> unit) -> 'a BatInnerIO.output -> 'c -> unit) -> 'a BatInnerIO.output -> ('b, 'c) t -> unit) -> 'a BatInnerIO.output -> 'c -> unit) -BatMap.remove : 'a -> ('a, 'b) t -> ('a, 'b) t BatMap.remove\_exn: 'a -> ('a, 'b) t -> ('a, 'b) t BatMap.singleton: 'a -> 'b -> ('a, 'b) t BatMap.split: 'key -> ('key, 'a) t -> ('key, 'a) t \* 'a option \* ('key, 'a) t BatMap.to\_rev\_seq: ('key, 'a) t -> ('key \* 'a) BatSeq.t BatMap.to\_seq: ('key, 'a) t -> ('key \* 'a) BatSeq.t BatMap.to\_seq\_from: 'key -> ('key, 'a) t -> ('key \* 'a) BatSeq.t BatMap.union: ('a, 'b) t -> ('a, 'b) t -> ('a, 'b) t BatMap.union\_stdlib : ('key -> 'a -> 'a option) -> ('key, 'a) t -> ('key, 'a) t BatMap.update: 'a -> 'a -> 'b -> ('a, 'b) t -> ('a, 'b) t BatMap.update\_stdlib: 'a -> ('b option -> 'b option) -> ('a, 'b) t -> ('a, 'b) t BatMap.values : ('a, 'b) t -> 'b BatEnum.t BatOption.(|?): 'a option -> 'a -> 'a BatOption.Infix.( >>= ): 'a option -> ('a -> 'b option) -> 'b option BatOption.Infix.(|?): 'a option -> 'a -> 'a BatOption.Labels.map: f:('a -> 'b) -> 'a option -> 'b option BatOption.Labels.map\_default: f:('a -> 'b) -> 'b -> 'a option -> 'b BatOption.Labels.may: f:('a -> unit) -> 'a option -> unit BatOption.Monad.bind: 'a m -> ('a -> 'b m) -> 'b m BatOption.Monad.return: 'a -> 'a m BatOption.apply: ('a -> 'a) option -> 'a -> 'a BatOption.bind: 'a option -> ('a -> 'b option) -> 'b option BatOption.compare: ?cmp:('a -> 'a -> int) -> 'a option -> 'a option -> int BatOption.default: 'a -> 'a option -> 'a BatOption.default\_delayed: (unit -> 'a) -> 'a option -> 'a BatOption.enum: 'a option -> 'a BatEnum.t BatOption.eq: ?eq:('a -> 'a -> bool) -> 'a option -> 'a option -> bool

**Batteries** 

BatOption.filter: ('a -> bool) -> 'a option -> 'a option

BatOption.get : 'a option -> 'a

BatOption.get\_exn: 'a option -> exn -> 'a

BatOption.is\_none : 'a option -> bool

BatOption.is\_some : 'a option -> bool

BatOption.map: ('a -> 'b) -> 'a option -> 'b option

BatOption.map\_default: ('a -> 'b) -> 'b -> 'a option -> 'b

BatOption.map\_default\_delayed: ('a -> 'b) -> (unit -> 'b) -> 'a option -> 'b

BatOption.may: ('a -> unit) -> 'a option -> unit

BatOption.of\_enum: 'a BatEnum.t -> 'a option

BatOption.ord: 'a BatOrd.ord -> 'a option BatOrd.ord

BatOption.print : ('a BatInnerIO.output -> 'b -> unit) -> 'a BatInnerIO.output -> 'b t -> unit

BatOption.some: 'a -> 'a option

BatPrintf.bprintf : Buffer.t -> ('a, Buffer.t, unit) t -> 'a

BatPrintf.bprintf2: Buffer.t -> ('b, 'a BatInnerIO.output, unit) t -> 'b

BatPrintf.eprintf: ('b, 'a BatInnerIO.output, unit) t -> 'b

BatPrintf.fprintf: 'a BatInnerIO.output -> ('b, 'a BatInnerIO.output, unit) t -> 'b

BatPrintf.ifprintf: 'c -> ('b, 'a BatInnerIO.output, unit) t -> 'b

BatPrintf.kbprintf: (Buffer.t -> 'a) -> Buffer.t -> ('b, Buffer.t, unit, 'a) format4 -> 'b

BatPrintf.kbprintf2: (Buffer.t -> 'b) -> Buffer.t -> ('c, 'a BatInnerIO.output, unit, 'b) format4 -> 'c

BatPrintf.kfprintf: ('a BatInnerIO.output -> 'b) -> 'a BatInnerIO.output -> ('c, 'a BatInnerIO.output, unit, 'b) format4 -> 'c

BatPrintf.kprintf: (string -> 'a) -> ('b, unit, string, 'a) format4 -> 'b

BatPrintf.ksprintf: (string -> 'a) -> ('b, unit, string, 'a) format4 -> 'b

BatPrintf.ksprintf2: (string -> 'b) -> ('c, 'a BatInnerIO.output, unit, 'b) format4 -> 'c

BatPrintf.printf: ('b, 'a BatInnerIO.output, unit) t -> 'b

BatPrintf.sprintf: ('a, unit, string) t -> 'a

BatPrintf.sprintf2: ('a, 'b BatInnerIO.output, unit, string) format4 -> 'a

BatResult.Infix.( >>= ): ('a, 'e) t -> ('a -> ('c, 'e) t) -> ('c, 'e) t

BatResult.Monad.( >>= ): ('a, 'e) t -> ('a -> ('c, 'e) t) -> ('c, 'e) t

BatResult.Monad.bind: ('a, 'e) t -> ('a -> ('c, 'e) t) -> ('c, 'e) t

BatResult.Monad.return: 'a -> ('a, 'b) t

BatResult.bind: ('a, 'e) t -> ('a -> ('b, 'e) t) -> ('b, 'e) t

BatResult.catch : ('a -> 'e) -> 'a -> ('e, exn) t

BatResult.catch2: ('a -> 'b -> 'c) -> 'a -> 'b -> ('c, exn) t

**Batteries** BatResult.catch3: ('a -> 'b -> 'c -> 'd) -> 'a -> 'b -> 'c -> ('d, exn) t BatResult.compare: ok:('a -> 'a -> int) -> error:('e -> 'e -> int) -> ('a, 'e) t -> ('a, 'e) t -> int BatResult.default: 'a -> ('a, 'b) t -> 'a BatResult.equal : ok:('a -> 'a -> bool) -> error:('e -> 'e -> bool) -> ('a, 'e) t -> ('a, 'e) t -> bool BatResult.error: 'e -> ('a, 'e) t BatResult.fold : ok:('a -> 'c) -> error:('e -> 'c) -> ('a, 'e) t -> 'c BatResult.get: ('a, exn) t -> 'a BatResult.get\_error: ('a, 'e) t -> 'e BatResult.get\_ok: ('a, 'e) t -> 'a BatResult.is\_bad : ('a, 'e) t -> bool BatResult.is\_error: ('a, 'e) t -> bool BatResult.is\_exn : exn -> ('a, exn) t -> bool BatResult.is\_ok : ('a, 'e) t -> bool BatResult.iter: ('a -> unit) -> ('a, 'e) t -> unit BatResult.iter\_error: ('e -> unit) -> ('a, 'e) t -> unit BatResult.join : (('a, 'e) t, 'e) t -> ('a, 'e) t BatResult.map: ('a -> 'b) -> ('a, 'e) t -> ('b, 'e) t BatResult.map\_both: ('a1 -> 'a2) -> ('b1 -> 'b2) -> ('a1, 'b1) t -> ('a2, 'b2) t BatResult.map\_default: 'b -> ('a -> 'b) -> ('a, 'c) t -> 'b BatResult.map\_error : ('e -> 'f) -> ('a, 'e) t -> ('a, 'f) t BatResult.of\_option : 'a option -> ('a, unit) t BatResult.ok: 'a -> ('a, 'b) t BatResult.print: ('b BatInnerIO.output -> 'a -> unit) -> 'b BatInnerIO.output -> ('a, exn) t -> unit BatResult.to\_list : ('a, 'e) t -> 'a list BatResult.to\_option: ('a, 'b) t -> 'a option BatResult.to\_seq: ('a, 'e) t -> 'a BatSeq.t BatResult.value: ('a, 'e) t -> default:'a -> 'a BatSeq.( -- ): int -> int -> int t BatSeq.( --- ): int -> int -> int t BatSeq.( --. ): float \* float -> float -> float t BatSeq.( --^ ): int -> int -> int t BatSeq.( --~ ): char -> char -> char t BatSeq.( // ) : 'a t -> ('a -> bool) -> 'a t BatSeq.( //@) : 'a t -> ('a -> 'b option) -> 'b t

**Batteries** BatSeq.(/@): 'a t -> ('a -> 'b) -> 'b t BatSeq.( @/ ): ('a -> 'b) -> 'a t -> 'b t BatSeq.( @// ): ('a -> 'b option) -> 'a t -> 'b t BatSeq.Exceptionless.at: 'a t -> int -> 'a option BatSeq.Exceptionless.combine: 'a t -> 'b t -> ('a \* 'b) t BatSeq.Exceptionless.first : 'a t -> 'a option BatSeq.Exceptionless.hd: 'a t -> 'a option BatSeq.Exceptionless.last: 'a t -> 'a option BatSeq.Exceptionless.max: 'a t -> 'a option BatSeq.Exceptionless.min: 'a t -> 'a option BatSeg.Exceptionless.reduce: ('a -> 'a -> 'a) -> 'a t -> 'a option BatSeq.Exceptionless.tl: 'a t -> 'a t option BatSeq.append: 'a t -> 'a t -> 'a t BatSeq.assoc: 'a -> ('a \* 'b) t -> 'b option BatSeq.at: 'a t -> int -> 'a BatSeq.combine: 'a t -> 'b t -> ('a \* 'b) t BatSeq.compare : ('a -> 'b -> int) -> 'a t -> 'b t -> int BatSeq.concat: 'a t t -> 'a t BatSeq.concat\_map : ('a -> 'b t) -> 'a t -> 'b t BatSeq.cons: 'a -> 'a t -> 'a t BatSeq.cycle: 'a t -> 'a t BatSeq.drop: int -> 'a t -> 'a t BatSeq.drop\_while: ('a -> bool) -> 'a t -> 'a t BatSeq.empty: 'a t BatSeq.enum: 'a t -> 'a BatEnum.t BatSeq.equal : ?eq:('a -> 'a -> bool) -> 'a t -> 'a t -> bool BatSeq.equal\_stdlib: ('a -> 'b -> bool) -> 'a t -> 'b t -> bool BatSeq.exists: ('a -> bool) -> 'a t -> bool BatSeq.exists2 : ('a -> 'b -> bool) -> 'a t -> 'b t -> bool BatSeq.filter: ('a -> bool) -> 'a t -> 'a t BatSeq.filter\_map: ('a -> 'b option) -> 'a t -> 'b t BatSeq.find: ('a -> bool) -> 'a t -> 'a option BatSeq.find\_map: ('a -> 'b option) -> 'a t -> 'b option BatSeq.first: 'a t -> 'a

**Batteries** BatSeq.flat\_map : ('a -> 'b t) -> 'a t -> 'b t BatSeq.flatten: 'att-> 'at BatSeq.fold\_left: ('a -> 'b -> 'a) -> 'a -> 'b t -> 'a BatSeq.fold\_left2: ('a -> 'b -> 'c -> 'a) -> 'a -> 'b t -> 'c t -> 'a BatSeq.fold\_lefti: ('b -> int -> 'a -> 'b) -> 'b -> 'a t -> 'b BatSeq.fold\_right: ('a -> 'b -> 'b) -> 'a t -> 'b -> 'b BatSeq.for\_all: ('a -> bool) -> 'a t -> bool BatSeq.for\_all2 : ('a -> 'b -> bool) -> 'a t -> 'b t -> bool BatSeq.forever: (unit -> 'a) -> 'a t BatSeq.group: ('a -> 'a -> bool) -> 'a t -> 'a t t BatSeq.hd : 'a t -> 'a BatSeq.init: int -> (int -> 'a) -> 'a t BatSeq.interleave : 'a t -> 'a t -> 'a t BatSeq.ints: int -> int t BatSeq.is\_empty : 'a t -> bool BatSeq.iter: ('a -> unit) -> 'a t -> unit BatSeq.iter2 : ('a -> 'b -> unit) -> 'a t -> 'b t -> unit BatSeq.iterate : ('a -> 'a) -> 'a -> 'a t BatSeq.iteri: (int -> 'a -> unit) -> 'a t -> unit BatSeq.last: 'a t -> 'a BatSeq.length: 'a t -> int BatSeq.make: int -> 'a -> 'a t BatSeq.map: ('a -> 'b) -> 'a t -> 'b t BatSeq.map2 : ('a -> 'b -> 'c) -> 'a t -> 'b t -> 'c t BatSeq.map\_product : ('a -> 'b -> 'c) -> 'a t -> 'b t -> 'c t BatSeq.mapi: (int -> 'a -> 'b) -> 'a t -> 'b t BatSeq.max: 'a t -> 'a BatSeq.mem : 'a -> 'a t -> bool BatSeq.memoize : 'a t -> 'a t BatSeq.min: 'a t -> 'a BatSeq.nil: 'a t BatSeq.of\_dispenser: (unit -> 'a option) -> 'a t BatSeq.of\_list : 'a list -> 'a t BatSeq.of\_string : ?first:string -> ?last:string -> ?sep:string -> (string -> 'a) -> string -> 'a t

**Batteries** BatSeq.once : 'a t -> 'a t BatSeq.partition: ('a -> bool) -> 'a t -> 'a t \* 'a t BatSeq.partition\_map: ('a -> ('b, 'c) Either.t) -> 'a t -> 'b t \* 'c t BatSeq.print: ?first:string -> ?last:string -> ?sep:string -> ('a BatInnerlO.output -> 'b -> unit) -> 'a BatInnerlO.output -> 'b t -> unit BatSeq.product : 'a t -> 'b t -> ('a \* 'b) t BatSeg.reduce : ('a -> 'a -> 'a) -> 'a t -> 'a BatSeq.repeat: 'a -> 'a t BatSeq.return : 'a -> 'a t BatSeq.scan: ('b -> 'a -> 'b) -> 'b -> 'a t -> 'b t BatSeq.sorted\_merge : ('a -> 'a -> int) -> 'a t -> 'a t -> 'a t BatSeq.split: ('a \* 'b) t -> 'a t \* 'b t BatSeq.take: int -> 'a t -> 'a t BatSeq.take\_while: ('a -> bool) -> 'a t -> 'a t BatSeg.tl: 'a t -> 'a t BatSeq.to\_buffer: ?first:string -> ?last:string -> ?sep:string -> ('a -> string) -> Buffer.t -> (unit -> 'a node) -> unit BatSeq.to\_dispenser: 'a t -> unit -> 'a option BatSeq.to\_string : ?first:string -> ?last:string -> ?sep:string -> ('a -> string) -> 'a t -> string BatSeq.transpose: 'a t t -> 'a t t BatSeq.uncons: 'a t -> ('a \* 'a t) option BatSeq.unfold : ('b -> ('a \* 'b) option) -> 'b -> 'a t BatSeq.unzip: ('a \* 'b) t -> 'a t \* 'b t BatSeq.zip: 'a t -> 'b t -> ('a \* 'b) t BatSet.Make.Exceptionless.any: t -> elt option BatSet.Make.Exceptionless.choose: t -> elt option BatSet.Make.Exceptionless.find: elt -> t -> elt option BatSet.Make.Exceptionless.max\_elt: t -> elt option BatSet.Make.Exceptionless.min\_elt: t -> elt option BatSet.Make.Labels.exists: f:(elt -> bool) -> t -> bool BatSet.Make.Labels.filter: f:(elt -> bool) -> t -> t BatSet.Make.Labels.filter\_map : f:(elt -> elt option) -> t -> t BatSet.Make.Labels.fold : f:(elt -> 'a -> 'a) -> t -> init:'a -> 'a BatSet.Make.Labels.for\_all: f:(elt -> bool) -> t -> bool BatSet.Make.Labels.iter: f:(elt -> unit) -> t -> unit

BatSet.Make.Labels.map: f:(elt -> elt) -> t -> t

**Batteries** BatSet.Make.Labels.partition : f:(elt -> bool) -> t -> t \* t BatSet.Make.add: elt -> t -> t BatSet.Make.add\_seq: elt BatSeq.t -> t -> t BatSet.Make.any: t -> elt BatSet.Make.at\_rank\_exn: int -> t -> elt BatSet.Make.backwards: t -> elt BatEnum.t BatSet.Make.cardinal: t -> int BatSet.Make.choose: t -> elt BatSet.Make.choose\_opt: t -> elt option BatSet.Make.compare: t -> t -> int BatSet.Make.compare\_subset: t -> t -> int BatSet.Make.diff: t -> t -> t BatSet.Make.disjoint : t -> t -> bool BatSet.Make.elements: t -> elt list BatSet.Make.empty: t BatSet.Make.enum: t -> elt BatEnum.t BatSet.Make.equal: t -> t -> bool BatSet.Make.exists: (elt -> bool) -> t -> bool BatSet.Make.filter: (elt -> bool) -> t -> t BatSet.Make.filter\_map: (elt -> elt option) -> t -> t BatSet.Make.find: elt -> t -> elt BatSet.Make.find\_first: (elt -> bool) -> t -> elt BatSet.Make.find\_first\_opt: (elt -> bool) -> t -> elt option BatSet.Make.find\_last: (elt -> bool) -> t -> elt BatSet.Make.find\_last\_opt : (elt -> bool) -> t -> elt option BatSet.Make.find\_opt : elt -> t -> elt option BatSet.Make.fold : (elt -> 'a -> 'a) -> t -> 'a -> 'a BatSet.Make.for\_all: (elt -> bool) -> t -> bool BatSet.Make.inter: t -> t -> t BatSet.Make.is\_empty: t -> bool BatSet.Make.is\_singleton : t -> bool BatSet.Make.iter: (elt -> unit) -> t -> unit BatSet.Make.map: (elt -> elt) -> t -> t BatSet.Make.max\_elt:t->elt

**Batteries** BatSet.Make.max\_elt\_opt: t -> elt option BatSet.Make.mem: elt -> t -> bool BatSet.Make.min elt:t->elt BatSet.Make.min\_elt\_opt: t -> elt option BatSet.Make.of\_array : elt array -> t BatSet.Make.of\_enum : elt BatEnum.t -> t BatSet.Make.of\_list : elt list -> t BatSet.Make.of\_seq: elt BatSeq.t -> t BatSet.Make.partition: (elt -> bool) -> t -> t \* t BatSet.Make.pop: t -> elt \* t BatSet.Make.pop\_max: t -> elt \* t BatSet.Make.pop\_min: t -> elt \* t BatSet.Make.print: ?first:string -> ?last:string -> ?sep:string -> ('a BatInnerIO.output -> elt -> unit) -> 'a BatInnerIO.output -> t -> unit) BatSet.Make.remove: elt -> t -> t BatSet.Make.remove exn: elt -> t -> t BatSet.Make.singleton: elt -> t BatSet.Make.split: elt -> t -> t \* bool \* t BatSet.Make.split\_le : elt -> t -> t \* t BatSet.Make.split\_lt:elt->t->t\*t BatSet.Make.split\_opt : elt -> t -> t \* elt option \* t BatSet.Make.subset: t -> t -> bool BatSet.Make.sym\_diff: t -> t -> t BatSet.Make.to\_array: t -> elt array BatSet.Make.to\_list: t -> elt list BatSet.Make.to\_rev\_seq:t-> elt BatSeq.t BatSet.Make.to\_seq:t->eltBatSeq.t BatSet.Make.to\_seq\_from : elt -> t -> elt BatSeq.t BatSet.Make.union: t -> t -> t BatSet.Make.update: elt -> elt -> t -> t BatSet.Make2.Product.Exceptionless.any: t -> elt option BatSet.Make2.Product.Exceptionless.choose: t -> elt option BatSet.Make2.Product.Exceptionless.find: elt -> t -> elt option BatSet.Make2.Product.Exceptionless.max\_elt:t-> elt option BatSet.Make2.Product.Exceptionless.min\_elt: t -> elt option

**Batteries** BatSet.Make2.Product.Labels.exists: f:(elt -> bool) -> t -> bool BatSet.Make2.Product.Labels.filter: f:(elt -> bool) -> t -> t BatSet.Make2.Product.Labels.filter\_map: f:(elt -> elt option) -> t -> t BatSet.Make2.Product.Labels.fold: f:(elt -> 'a -> 'a) -> t -> init:'a -> 'a BatSet.Make2.Product.Labels.for\_all: f:(elt -> bool) -> t -> bool BatSet.Make2.Product.Labels.iter: f:(elt -> unit) -> t -> unit BatSet.Make2.Product.Labels.map: f:(elt -> elt) -> t -> t BatSet.Make2.Product.Labels.partition: f:(elt -> bool) -> t -> t \* t BatSet.Make2.Product.add: elt -> t -> t BatSet.Make2.Product.add\_seq: elt BatSeq.t -> t -> t BatSet.Make2.Product.any: t -> elt BatSet.Make2.Product.at\_rank\_exn: int -> t -> elt BatSet.Make2.Product.backwards: t -> elt BatEnum.t BatSet.Make2.Product.cardinal: t -> int BatSet.Make2.Product.choose: t -> elt BatSet.Make2.Product.choose\_opt:t-> elt option BatSet.Make2.Product.compare: t -> t -> int BatSet.Make2.Product.compare\_subset: t -> t -> int BatSet.Make2.Product.diff: t -> t -> t BatSet.Make2.Product.disjoint: t -> t -> bool BatSet.Make2.Product.elements: t -> elt list BatSet.Make2.Product.empty: t BatSet.Make2.Product.enum: t -> elt BatEnum.t BatSet.Make2.Product.equal: t -> t -> bool BatSet.Make2.Product.exists: (elt -> bool) -> t -> bool BatSet.Make2.Product.filter: (elt -> bool) -> t -> t BatSet.Make2.Product.filter\_map: (elt -> elt option) -> t -> t BatSet.Make2.Product.find : elt -> t -> elt BatSet.Make2.Product.find\_first: (elt -> bool) -> t -> elt BatSet.Make2.Product.find\_first\_opt: (elt -> bool) -> t -> elt option BatSet.Make2.Product.find\_last: (elt -> bool) -> t -> elt BatSet.Make2.Product.find\_last\_opt: (elt -> bool) -> t -> elt option BatSet.Make2.Product.find\_opt : elt -> t -> elt option BatSet.Make2.Product.fold : (elt -> 'a -> 'a) -> t -> 'a -> 'a

**Batteries** BatSet.Make2.Product.for\_all: (elt -> bool) -> t -> bool BatSet.Make2.Product.inter: t -> t -> t BatSet.Make2.Product.is\_empty: t -> bool BatSet.Make2.Product.is\_singleton: t-> bool BatSet.Make2.Product.iter: (elt -> unit) -> t -> unit BatSet.Make2.Product.map: (elt -> elt) -> t -> t BatSet.Make2.Product.max\_elt:t-> elt BatSet.Make2.Product.max\_elt\_opt: t -> elt option BatSet.Make2.Product.mem : elt -> t -> bool BatSet.Make2.Product.min\_elt: t -> elt BatSet.Make2.Product.min\_elt\_opt: t -> elt option BatSet.Make2.Product.of\_array: elt array -> t BatSet.Make2.Product.of\_enum: elt BatEnum.t -> t BatSet.Make2.Product.of\_list : elt list -> t BatSet.Make2.Product.of\_seg : elt BatSeg.t -> t BatSet.Make2.Product.partition: (elt -> bool) -> t -> t \* t BatSet.Make2.Product.pop:t->elt\*t BatSet.Make2.Product.pop\_max:t-> elt \* t BatSet.Make2.Product.pop\_min: t -> elt \* t BatSet.Make2.Product.print: ?first:string -> ?last:string -> ?sep:string -> ('a BatInnerIO.output -> elt -> unit) -> 'a BatInnerIO.output -> t -> unit BatSet.Make2.Product.remove : elt -> t -> t BatSet.Make2.Product.remove exn: elt -> t -> t BatSet.Make2.Product.singleton: elt -> t BatSet.Make2.Product.split: elt -> t -> t \* bool \* t BatSet.Make2.Product.split\_le : elt -> t -> t \* t BatSet.Make2.Product.split\_lt:elt->t->t\*t BatSet.Make2.Product.split\_opt : elt -> t \* elt option \* t BatSet.Make2.Product.subset: t -> t -> bool BatSet.Make2.Product.sym\_diff: t -> t -> t BatSet.Make2.Product.to\_array: t -> elt array BatSet.Make2.Product.to\_list: t -> elt list BatSet.Make2.Product.to\_rev\_seg: t -> elt BatSeg.t BatSet.Make2.Product.to\_seq:t-> elt BatSeq.t BatSet.Make2.Product.to\_seq\_from: elt -> t -> elt BatSeq.t

**Batteries** BatSet.Make2.Product.union:t->t->t BatSet.Make2.Product.update : elt -> elt -> t -> t BatSet.Make2.cartesian\_product: Make(01).t -> Make(02).t -> Product.t BatSet.PSet.add: 'a -> 'a t -> 'a t BatSet.PSet.add\_seq : 'a BatSeq.t -> 'a t -> 'a t BatSet.PSet.any: 'a t -> 'a BatSet.PSet.at\_rank\_exn: int -> 'a t -> 'a BatSet.PSet.cardinal: 'a t -> int BatSet.PSet.choose: 'a t -> 'a BatSet.PSet.choose\_opt: 'a t -> 'a option BatSet.PSet.compare : 'a t -> 'a t -> int BatSet.PSet.create: ('a -> 'a -> int) -> 'a t BatSet.PSet.diff: 'a t -> 'a t -> 'a t BatSet.PSet.disjoint : 'a t -> 'a t -> bool BatSet.PSet.elements : 'a t -> 'a list BatSet.PSet.empty: 'a t BatSet.PSet.enum: 'a t -> 'a BatEnum.t BatSet.PSet.equal: 'a t -> 'a t -> bool BatSet.PSet.exists: ('a -> bool) -> 'a t -> bool BatSet.PSet.filter: ('a -> bool) -> 'a t -> 'a t BatSet.PSet.filter\_map: ('a -> 'b option) -> 'a t -> 'b t BatSet.PSet.filter\_map\_endo: ('a -> 'a option) -> 'a t -> 'a t BatSet.PSet.find: 'a -> 'a t -> 'a BatSet.PSet.find\_first : ('a -> bool) -> 'a t -> 'a BatSet.PSet.find\_first\_opt: ('a -> bool) -> 'a t -> 'a option BatSet.PSet.find\_last: ('a -> bool) -> 'a t -> 'a BatSet.PSet.find\_last\_opt: ('a -> bool) -> 'a t -> 'a option BatSet.PSet.find\_opt: 'a -> 'a t -> 'a option BatSet.PSet.fold: ('a -> 'b -> 'b) -> 'a t -> 'b -> 'b BatSet.PSet.for\_all: ('a -> bool) -> 'a t -> bool BatSet.PSet.get\_cmp: 'a t -> 'a -> int BatSet.PSet.intersect: 'a t -> 'a t -> 'a t BatSet.PSet.is\_empty: 'a t -> bool BatSet.PSet.is\_singleton: 'a t -> bool

**Batteries** BatSet.PSet.iter: ('a -> unit) -> 'a t -> unit BatSet.PSet.map : ('a -> 'b) -> 'a t -> 'b t BatSet.PSet.map\_endo : ('a -> 'a) -> 'a t -> 'a t BatSet.PSet.max elt: 'a t -> 'a BatSet.PSet.max\_elt\_opt: 'a t -> 'a option BatSet.PSet.mem: 'a -> 'a t -> bool BatSet.PSet.min\_elt: 'a t -> 'a BatSet.PSet.min\_elt\_opt: 'a t -> 'a option BatSet.PSet.of\_array:?cmp:('a -> 'a -> int) -> 'a array -> 'a t BatSet.PSet.of\_enum:?cmp:('a -> 'a -> int) -> 'a BatEnum.t -> 'a t BatSet.PSet.of\_enum\_cmp: cmp:('a -> 'a -> int) -> 'a BatEnum.t -> 'a t BatSet.PSet.of\_list:?cmp:('a -> 'a -> int) -> 'a list -> 'a t BatSet.PSet.of\_seq:?cmp:('a -> 'a -> int) -> 'a BatSeq.t -> 'a t BatSet.PSet.partition: ('a -> bool) -> 'a t -> 'a t \* 'a t BatSet.PSet.pop: 'a t -> 'a \* 'a t BatSet.PSet.pop\_max: 'a t -> 'a \* 'a t BatSet.PSet.pop\_min: 'a t -> 'a \* 'a t BatSet.PSet.print: ?first:string -> ?last:string -> ?sep:string -> ('a BatInnerIO.output -> 'c -> unit) -> 'a BatInnerIO.output -> 'c t -> unit BatSet.PSet.remove : 'a -> 'a t -> 'a t BatSet.PSet.remove\_exn: 'a -> 'a t -> 'a t BatSet.PSet.singleton:?cmp:('a -> 'a -> int) -> 'a -> 'a t BatSet.PSet.split: 'a -> 'a t -> 'a t \* bool \* 'a t BatSet.PSet.split\_le : 'a -> 'a t -> 'a t \* 'a t BatSet.PSet.split\_lt: 'a -> 'a t -> 'a t \* 'a t BatSet.PSet.split\_opt: 'a -> 'a t -> 'a t \* 'a option \* 'a t BatSet.PSet.subset: 'a t -> 'a t -> bool BatSet.PSet.sym\_diff: 'a t -> 'a t -> 'a t BatSet.PSet.to\_array: 'a t -> 'a array BatSet.PSet.to\_list : 'a t -> 'a list BatSet.PSet.to\_rev\_seq: 'a t -> 'a BatSeq.t BatSet.PSet.to\_seq: 'a t -> 'a BatSeq.t BatSet.PSet.to\_seq\_from : 'a -> 'a t -> 'a BatSeq.t BatSet.PSet.union: 'a t -> 'a t -> 'a t BatSet.PSet.update: 'a -> 'a t -> 'a t -> 'a t

**Batteries** BatSet.S.Exceptionless.any: t -> elt option BatSet.S.Exceptionless.choose: t -> elt option BatSet.S.Exceptionless.find: elt -> t -> elt option BatSet.S.Exceptionless.max\_elt: t -> elt option BatSet.S.Exceptionless.min\_elt: t -> elt option BatSet.S.Labels.exists: f:(elt -> bool) -> t -> bool BatSet.S.Labels.filter: f:(elt -> bool) -> t -> t BatSet.S.Labels.filter\_map : f:(elt -> elt option) -> t -> t BatSet.S.Labels.fold: f:(elt -> 'a -> 'a) -> t -> init:'a -> 'a BatSet.S.Labels.for\_all: f:(elt -> bool) -> t -> bool BatSet.S.Labels.iter: f:(elt -> unit) -> t -> unit BatSet.S.Labels.map: f:(elt -> elt) -> t -> t BatSet.S.Labels.partition: f:(elt -> bool) -> t -> t \* t BatSet.S.add: elt -> t -> t BatSet.S.add\_seq: elt BatSeq.t -> t -> t BatSet.S.any: t -> elt BatSet.S.at\_rank\_exn: int -> t -> elt BatSet.S.backwards: t -> elt BatEnum.t BatSet.S.cardinal: t -> int BatSet.S.choose: t -> elt BatSet.S.choose\_opt: t -> elt option BatSet.S.compare: t -> t -> int BatSet.S.compare\_subset: t -> t -> int BatSet.S.diff: t -> t -> t BatSet.S.disjoint: t -> t -> bool BatSet.S.elements: t -> elt list BatSet.S.empty: t BatSet.S.enum: t -> elt BatEnum.t BatSet.S.equal: t -> t -> bool BatSet.S.exists: (elt -> bool) -> t -> bool BatSet.S.filter: (elt -> bool) -> t -> t BatSet.S.filter\_map: (elt -> elt option) -> t -> t BatSet.S.find : elt -> t -> elt BatSet.S.find\_first : (elt -> bool) -> t -> elt

**Batteries** BatSet.S.find\_first\_opt: (elt -> bool) -> t -> elt option BatSet.S.find\_last: (elt -> bool) -> t -> elt BatSet.S.find\_last\_opt : (elt -> bool) -> t -> elt option BatSet.S.find\_opt : elt -> t -> elt option BatSet.S.fold: (elt -> 'a -> 'a) -> t -> 'a -> 'a BatSet.S.for\_all: (elt -> bool) -> t -> bool BatSet.S.inter: t -> t -> t BatSet.S.is\_empty: t -> bool BatSet.S.is\_singleton : t -> bool BatSet.S.iter: (elt -> unit) -> t -> unit BatSet.S.map : (elt -> elt) -> t -> t BatSet.S.max\_elt:t-> elt BatSet.S.max\_elt\_opt : t -> elt option BatSet.S.mem : elt -> t -> bool BatSet.S.min elt:t->elt BatSet.S.min\_elt\_opt: t -> elt option BatSet.S.of\_array : elt array -> t BatSet.S.of\_enum : elt BatEnum.t -> t BatSet.S.of\_list : elt list -> t BatSet.S.of\_seq: elt BatSeq.t -> t BatSet.S.partition: (elt -> bool) -> t -> t \* t BatSet.S.pop: t -> elt \* t BatSet.S.pop\_max:t->elt\*t BatSet.S.pop\_min: t -> elt \* t BatSet.S.print: ?first:string -> ?last:string -> ?sep:string -> ('a BatInnerIO.output -> elt -> unit) -> 'a BatInnerIO.output -> t -> unit BatSet.S.remove : elt -> t -> t BatSet.S.remove\_exn: elt -> t -> t BatSet.S.singleton : elt -> t BatSet.S.split: elt -> t -> t \* bool \* t BatSet.S.split\_le : elt -> t -> t \* t BatSet.S.split\_lt: elt -> t -> t \* t BatSet.S.split\_opt: elt -> t -> t \* elt option \* t BatSet.S.subset: t -> t -> bool BatSet.S.sym\_diff: t -> t -> t

**Batteries** BatSet.S.to\_array: t -> elt array BatSet.S.to\_list : t -> elt list BatSet.S.to\_rev\_seq:t->eltBatSeq.t BatSet.S.to\_seq:t-> elt BatSeq.t BatSet.S.to\_seq\_from : elt -> t -> elt BatSeq.t BatSet.S.union: t -> t -> t BatSet.S.update: elt -> elt -> t BatSet.add : 'a -> 'a t -> 'a t BatSet.add\_seq: 'a BatSeq.t -> 'a t -> 'a t BatSet.any: 'a t -> 'a BatSet.at\_rank\_exn: int -> 'a t -> 'a BatSet.backwards: 'a t -> 'a BatEnum.t BatSet.cardinal: 'a t -> int BatSet.cartesian\_product: 'a t -> 'b t -> ('a \* 'b) t BatSet.choose: 'a t -> 'a BatSet.choose\_opt: 'a t -> 'a option BatSet.compare : 'a t -> 'a t -> int BatSet.diff: 'a t -> 'a t -> 'a t BatSet.disjoint: 'a t -> 'a t -> bool BatSet.elements: 'a t -> 'a list BatSet.empty: 'a t BatSet.enum: 'a t -> 'a BatEnum.t BatSet.equal : 'a t -> 'a t -> bool BatSet.exists: ('a -> bool) -> 'a t -> bool BatSet.filter: ('a -> bool) -> 'a t -> 'a t BatSet.filter\_map: ('a -> 'b option) -> 'a t -> 'b t BatSet.filter\_map\_endo: ('a -> 'a option) -> 'a t -> 'a t BatSet.find : 'a -> 'a t -> 'a BatSet.find\_first : ('a -> bool) -> 'a t -> 'a BatSet.find\_first\_opt : ('a -> bool) -> 'a t -> 'a option BatSet.find\_last: ('a -> bool) -> 'a t -> 'a BatSet.find\_last\_opt: ('a -> bool) -> 'a t -> 'a option BatSet.find\_opt : 'a -> 'a t -> 'a option BatSet.fold : ('a -> 'b -> 'b) -> 'a t -> 'b -> 'b

**Batteries** BatSet.for\_all: ('a -> bool) -> 'a t -> bool BatSet.intersect : 'a t -> 'a t -> 'a t BatSet.is\_empty: 'a t -> bool BatSet.is\_singleton : 'a t -> bool BatSet.iter: ('a -> unit) -> 'a t -> unit BatSet.map: ('a -> 'b) -> 'a t -> 'b t BatSet.map\_endo : ('a -> 'a) -> 'a t -> 'a t BatSet.max elt: 'a t -> 'a BatSet.max\_elt\_opt: 'a t -> 'a option BatSet.mem : 'a -> 'a t -> bool BatSet.min\_elt: 'a t -> 'a BatSet.min\_elt\_opt : 'a t -> 'a option BatSet.of\_array: 'a array -> 'a t BatSet.of\_enum: 'a BatEnum.t -> 'a t BatSet.of list: 'a list -> 'a t BatSet.of\_seq: 'a BatSeq.t -> 'a t BatSet.partition : ('a -> bool) -> 'a t -> 'a t \* 'a t BatSet.pop : 'a t -> 'a \* 'a t BatSet.pop\_max : 'a t -> 'a \* 'a t BatSet.pop\_min : 'a t -> 'a \* 'a t BatSet.print: ?first:string -> ?last:string -> ?sep:string -> ('a BatInnerlO.output -> 'c -> unit) -> 'a BatInnerlO.output -> 'c t -> unit BatSet remove: 'a -> 'a t -> 'a t BatSet.remove\_exn: 'a -> 'a t -> 'a t BatSet.singleton : 'a -> 'a t BatSet.split: 'a -> 'a t -> 'a t \* bool \* 'a t BatSet.split\_le: 'a -> 'a t -> 'a t \* 'a t BatSet.split\_lt: 'a -> 'a t -> 'a t \* 'a t BatSet.split\_opt: 'a -> 'a t -> 'a t \* 'a option \* 'a t BatSet.subset: 'a t -> 'a t -> bool BatSet.sym\_diff: 'a t -> 'a t -> 'a t BatSet.to\_array : 'a t -> 'a array BatSet.to list: 'a t -> 'a list BatSet.to\_rev\_seq: 'a t -> 'a BatSeq.t BatSet.to\_seq: 'a t -> 'a BatSeq.t

**Batteries** BatSet.to\_seq\_from : 'a -> 'a t -> 'a BatSeq.t BatSet.union: 'a t -> 'a t -> 'a t BatSet.update: 'a -> 'a t -> 'a t BatString.Cap.Exceptionless.find: [> `Read ] t -> [> `Read ] t -> int option BatString.Cap.Exceptionless.find\_from : [> `Read ] t -> int -> [> `Read ] t -> int option BatString.Cap.Exceptionless.index : [> `Read ] t -> char -> int option BatString.Cap.Exceptionless.index\_from : [> `Read ] t -> int -> char -> int option BatString.Cap.Exceptionless.rfind: [> `Read ] t -> [> `Read ] t -> int option BatString.Cap.Exceptionless.rfind\_from: [> `Read ] t -> int -> [> `Read ] t -> int option BatString.Cap.Exceptionless.rindex : [> `Read ] t -> char -> int option BatString.Cap.Exceptionless.rindex\_from : [> `Read ] t -> int -> char -> int option BatString.Cap.Exceptionless.rsplit: [> `Read ] t -> by:[> `Read ] t -> ('a t \* 'b t) option BatString.Cap.Exceptionless.split: [> `Read ] t -> by:[> `Read ] t -> ('a t \* 'b t) option BatString.Cap.Exceptionless.to\_float : [> `Read ] t -> float option BatString.Cap.Exceptionless.to\_int : [> `Read ] t -> int option BatString.Cap.backwards: [> `Read ] t -> char BatEnum.t BatString.Cap.blit: [> `Read ] t -> int -> [> `Write ] t -> int -> unit BatString.Cap.capitalize: [> `Read ] t -> 'a t BatString.Cap.chop: ?l:int -> ?r:int -> [> `Read ] t -> 'a t BatString.Cap.compare: [> `Read ] t -> [> `Read ] t -> int BatString.Cap.concat: [> `Read ] t -> [> `Read ] t list -> 'a t BatString.Cap.contains: [> `Read ] t -> char -> bool BatString.Cap.contains\_from: [> `Read ] t -> int -> char -> bool BatString.Cap.copy: [> `Read ] t -> 'a t BatString.Cap.count\_char: [> `Read ] t -> char -> int BatString.Cap.ends\_with: [> `Read ] t -> [> `Read ] t -> bool BatString.Cap.enum: [> `Read ] t -> char BatEnum.t BatString.Cap.escaped: [> `Read ] t -> 'a t BatString.Cap.exists: [> `Read ] t -> [> `Read ] t -> bool BatString.Cap.explode: [> `Read ] t -> char list BatString.Cap.fill: [> `Write] t -> int -> int -> char -> unit BatString.Cap.filter: (char-> bool) -> [> `Read ] t -> 'a t BatString.Cap.filter\_map: (char -> char option) -> [> `Read ] t -> 'a t BatString.Cap.find: [> `Read ] t -> [> `Read ] t -> int

**Batteries** BatString.Cap.find\_from: [> `Read ] t -> int -> [> `Read ] t -> int BatString.Cap.fold\_left: ('a -> char -> 'a) -> 'a -> [> `Read ] t -> 'a BatString.Cap.fold\_lefti : ('a -> int -> char -> 'a) -> 'a -> [> `Read ] t -> 'a BatString.Cap.fold\_right : (char -> 'a -> 'a) -> [> `Read ] t -> 'a -> 'a BatString.Cap.fold\_righti : (int -> char -> 'a -> 'a) -> [> `Read ] t -> 'a -> 'a BatString.Cap.head: [> `Read ] t -> int -> 'a t BatString.Cap.icompare: [> `Read ] t -> [> `Read ] t -> int BatString.Cap.implode: char list -> 'a t BatString.Cap.index: [> `Read ] t -> char -> int BatString.Cap.index\_from : [> `Read ] t -> int -> char -> int BatString.Cap.init: int -> (int -> char) -> 'a t BatString.Cap.is\_empty: 'a t -> bool BatString.Cap.iter: (char -> unit) -> [> `Read ] t -> unit BatString.Cap.join: [> `Read ] t -> [> `Read ] t list -> 'a t BatString.Cap.lchop: ?n:int -> [> `Read ] t -> 'a t BatString.Cap.left: [> `Read ] t -> int -> 'a t BatString.Cap.lowercase : [> `Read ] t -> 'a t BatString.Cap.make: int -> char -> 'a t BatString.Cap.map: (char -> char) -> [> `Read ] t -> 'a t BatString.Cap.mapi: (int -> char -> char) -> [> `Read ] t -> 'a t BatString.Cap.nreplace: str:[> `Read ] t -> sub:[> `Read ] t -> by:[> `Read ] t -> 'a t BatString.Cap.nsplit: [> `Read ] t -> by:[> `Read ] t -> 'a t list BatString.Cap.of\_backwards: char BatEnum.t -> 'a t BatString.Cap.of\_bytes: Bytes.t -> 'a t BatString.Cap.of\_char : char -> 'a t BatString.Cap.of\_enum: char BatEnum.t -> 'a t BatString.Cap.of\_float : float -> 'a t BatString.Cap.of\_int: int -> 'a t BatString.Cap.of\_list : char list -> 'a t BatString.Cap.print: 'a BatInnerIO.output -> [> `Read ] t -> unit BatString.Cap.print\_quoted: 'a BatInnerIO.output -> [> `Read ] t -> unit BatString.Cap.println: 'a BatInnerlO.output -> [> `Read ] t -> unit BatString.Cap.quote: [> `Read ] t -> string BatString.Cap.rchop: ?n:int -> [> `Read ] t -> 'a t

**Batteries** BatString.Cap.rcontains\_from: [> `Read ] t -> int -> char -> bool BatString.Cap.repeat: [> `Read ] t -> int -> 'a t BatString.Cap.replace: str:[> `Read ] t -> sub:[> `Read ] t -> by:[> `Read ] t -> bool \* 'a t BatString.Cap.replace\_chars: (char -> [> `Read ] t) -> [> `Read ] t -> 'a t BatString.Cap.rfind: [> `Read ] t -> [> `Read ] t -> int BatString.Cap.rfind\_from: [> `Read ] t -> int -> [> `Read ] t -> int BatString.Cap.right: [> `Read ] t -> int -> 'a t BatString.Cap.rindex: [> `Read ] t -> char -> int BatString.Cap.rindex\_from : [> `Read ] t -> int -> char -> int BatString.Cap.rsplit: [> `Read ] t -> by:[> `Read ] t -> 'a t \* 'b t BatString.Cap.slice: ?first:int -> ?last:int -> [> `Read ] t -> 'a t BatString.Cap.splice: [ `Read | `Write ] t -> int -> [> `Read ] t -> 'a t BatString.Cap.split: [> `Read ] t -> by:[> `Read ] t -> 'a t \* 'b t BatString.Cap.starts\_with: [> `Read ] t -> [> `Read ] t -> bool BatString.Cap.strip: ?chars:[> `Read] t -> [> `Read] t -> 'a t BatString.Cap.sub: [> `Read ] t -> int -> int -> 'a t BatString.Cap.tail: [> `Read ] t -> int -> 'a t BatString.Cap.to\_float : [> `Read ] t -> float BatString.Cap.to\_int: [> `Read ] t -> int BatString.Cap.to\_list: [> `Read ] t -> char list BatString.Cap.trim: [> `Read ] t -> 'a t BatString.Cap.uncapitalize : [> `Read ] t -> 'a t BatString.Cap.uppercase : [> `Read ] t -> 'a t BatString.Exceptionless.find: string-> string-> int option BatString.Exceptionless.find\_from: string -> int -> string -> int option BatString.Exceptionless.index : string -> char -> int option BatString.Exceptionless.index\_from: string -> int -> char -> int option BatString.Exceptionless.rfind: string-> string-> int option BatString.Exceptionless.rfind\_from: string-> int-> string -> int option BatString.Exceptionless.rindex : string -> char -> int option BatString.Exceptionless.rindex\_from : string -> int -> char -> int option BatString.Exceptionless.rsplit: string -> by:string -> (string \* string) option BatString.Exceptionless.split: string -> by:string -> (string \* string) option BatString.Exceptionless.to\_float: string -> float option

**Batteries** BatString.Exceptionless.to\_int: string -> int option BatString.backwards: string -> char BatEnum.t BatString.blit: string -> int -> Bytes.t -> int -> int -> unit BatString.capitalize: string -> string BatString.capitalize\_ascii: string -> string BatString.cat: string -> string -> string BatString.chop: ?l:int -> ?r:int -> string -> string BatString.compare: t -> t -> int BatString.concat: string -> string list -> string BatString.contains: string -> char -> bool BatString.contains\_from: string -> int -> char -> bool BatString.copy: string -> string BatString.count\_char: string -> char -> int BatString.count\_string: string -> string -> int BatString.cut\_on\_char: char-> int -> string -> string BatString.edit\_distance: t -> t -> int BatString.empty: string BatString.ends\_with: string -> string -> bool BatString.ends\_with\_stdlib: suffix:string -> string -> bool BatString.enum: string -> char BatEnum.t BatString.equal: t -> t -> bool BatString.escaped: string -> string BatString.exists: string -> string -> bool BatString.exists\_stdlib: (char -> bool) -> string -> bool BatString.explode: string -> char list BatString.fill: Bytes.t -> int -> int -> char -> unit BatString.filter: (char-> bool) -> string -> string BatString.filter\_map: (char -> char option) -> string -> string BatString.find: string -> string -> int BatString.find\_all: string -> string -> int BatEnum.t BatString.find\_from : string -> int -> string -> int BatString.fold\_left: ('a -> char -> 'a) -> 'a -> string -> 'a BatString.fold\_lefti: ('a -> int -> char -> 'a) -> 'a -> string -> 'a

BatString.fold\_right: (char -> 'a -> 'a) -> string -> 'a -> 'a

**Batteries** BatString.fold\_righti: (int -> char -> 'a -> 'a) -> string -> 'a -> 'a BatString.for\_all: (char -> bool) -> string -> bool BatString.get\_int16\_be: string -> int -> int BatString.get\_int16\_le: string -> int -> int BatString.get\_int16\_ne: string -> int -> int BatString.get\_int32\_be : string -> int -> int32 BatString.get\_int32\_le: string -> int -> int32 BatString.get\_int32\_ne : string -> int -> int32 BatString.get\_int64\_be: string -> int -> int64 BatString.get\_int64\_le: string -> int -> int64 BatString.get\_int64\_ne: string -> int -> int64 BatString.get\_int8 : string -> int -> int BatString.get\_uint16\_be: string -> int -> int BatString.get\_uint16\_le: string -> int -> int BatString.get\_uint16\_ne : string -> int -> int BatString.get\_uint8 : string -> int -> int BatString.get\_utf\_16be\_uchar: t -> int -> Uchar.utf\_decode BatString.get\_utf\_16le\_uchar: t -> int -> Uchar.utf\_decode BatString.get\_utf\_8\_uchar: t -> int -> Uchar.utf\_decode BatString.head: string -> int -> string BatString.icompare: t -> t -> int BatString.implode: char list -> string BatString.in\_place\_mirror: Bytes.t -> unit BatString.index : string -> char -> int BatString.index\_after\_n : char -> int -> string -> int BatString.index\_from : string -> int -> char -> int BatString.index\_from\_opt: string -> int -> char -> int option BatString.index\_opt : string -> char -> int option BatString.init: int -> (int -> char) -> string BatString.is\_empty: string -> bool BatString.is\_valid\_utf\_16be: t-> bool BatString.is\_valid\_utf\_16le: t -> bool BatString.is\_valid\_utf\_8 : t -> bool BatString.iter: (char -> unit) -> string -> unit

**Batteries** BatString.iteri: (int -> char -> unit) -> string -> unit BatString.join: string -> string list -> string BatString.lchop: ?n:int -> string -> string BatString.left: string -> int -> string BatString.lowercase: string -> string BatString.lowercase\_ascii: string -> string BatString.make: int -> char -> string BatString.map: (char -> char) -> string -> string BatString.mapi: (int -> char -> char) -> string -> string BatString.nreplace: str:string -> sub:string -> by:string -> string BatString.nsplit: string -> by:string -> string list BatString.numeric\_compare : t -> t -> int BatString.of\_backwards : char BatEnum.t -> string BatString.of\_bytes: Bytes.t -> string BatString.of\_char : char -> string BatString.of\_enum : char BatEnum.t -> string BatString.of\_float : float -> string BatString.of\_int : int -> string BatString.of\_list : char list -> string BatString.of\_seq: char Seq.t -> t BatString.ord : t -> t -> BatOrd.order BatString.print: 'a BatInnerIO.output -> string -> unit BatString.print\_quoted : 'a BatInnerIO.output -> string -> unit BatString.println: 'a BatInnerIO.output -> string -> unit BatString.quote: string -> string BatString.rchop: ?n:int -> string -> string BatString.rcontains\_from : string -> int -> char -> bool BatString.repeat: string -> int -> string BatString.replace: str:string -> sub:string -> by:string -> bool \* string BatString.replace\_chars: (char -> string) -> string -> string BatString.rev: string -> string BatString.rev\_in\_place : Bytes.t -> unit BatString.rfind : string -> string -> int

BatString.rfind\_from: string -> int -> string -> int

**Batteries** BatString.right: string -> int -> string BatString.rindex : string -> char -> int BatString.rindex\_from : string -> int -> char -> int BatString.rindex\_from\_opt : string -> int -> char -> int option BatString.rindex\_opt : string -> char -> int option BatString.rsplit: string -> by:string -> string \* string BatString.slice: ?first:int -> ?last:int -> string -> string BatString.splice: string -> int -> int -> string -> string BatString.split: string -> by:string -> string \* string BatString.split\_on\_char: char-> string-> string list BatString.split\_on\_string: by:string -> string -> string list BatString.starts\_with: string -> string -> bool BatString.starts\_with\_stdlib: prefix:string -> string -> bool BatString.strip: ?chars:string -> string -> string BatString.sub: string -> int -> int -> string BatString.tail: string -> int -> string BatString.to\_bytes : string -> Bytes.t BatString.to\_float : string -> float BatString.to\_int : string -> int BatString.to\_list : string -> char list BatString.to\_seq: t -> char Seq.t BatString.to\_seqi:t->(int \* char) Seq.t BatString.trim: string -> string BatString.uncapitalize: string -> string BatString.uncapitalize\_ascii: string -> string BatString.uppercase: string -> string BatString.uppercase\_ascii: string -> string