

Last login: Fri Apr 6 15:35:27 on ttys008

carbon:\$ utop

come to utop version 2.0.2 (using OCaml version 4.06).

Type #utop_help for help about using utop.

```
-( 15:46:50 )-< command 0 >-----{ counter: 0 }-
utop # #quit;;
carbon:$ cd Search/
carbon:$ utop
```

come to utop version 2.0.2 (using OCaml version 4.06).

Type #utop_help for help about using utop.

```
-( 15:47:01 )-< command 0 >-----{ counter: 0 }-
utop # #use "wolf.ml";;
val is_not_elem : 'a list -> 'a -> bool = <fun>
type loc = L | R
type state = loc * loc * loc * loc
val ok_state : state -> bool = <fun>
val final : loc * loc * loc * loc -> bool = <fun>
val other_side : loc -> loc = <fun>
val moves : state -> state list = <fun>
File "wolf.ml", line 83, characters 6-270:
Warning 8: this pattern-matching is not exhaustive.
Here is an example of a case that is not matched:
_:::_::_::_
val crossing_v1 : unit -> state list option = <fun>
exception FoundPath of (loc * loc * loc * loc) list
File "wolf.ml", line 104, characters 6-360:
Warning 8: this pattern-matching is not exhaustive.
Here is an example of a case that is not matched:
_:::_::_::_::_
File "wolf.ml", line 114, characters 9-17:
Error: This function has type
    state -> state list -> unit
It is applied to too many arguments;
maybe you forgot a `;'.
-( 15:47:01 )-< command 1 >-----{ counter: 0 }-
utop # #use "wolf.ml";;
val is_not_elem : 'a list -> 'a -> bool = <fun>
type loc = L | R
type state = loc * loc * loc * loc
val ok_state : state -> bool = <fun>
val final : loc * loc * loc * loc -> bool = <fun>
val other_side : loc -> loc = <fun>
val moves : state -> state list = <fun>
File "wolf.ml", line 83, characters 6-270:
```

Warning 8: this pattern-matching is not exhaustive.
Here is an example of a case that is not matched:

```
_::_::_::_
val crossing_v1 : unit -> state list option = <fun>
exception FoundPath of (loc * loc * loc * loc) list
File "wolf.ml", line 104, characters 6-360:
```

Warning 8: this pattern-matching is not exhaustive.
Here is an example of a case that is not matched:

```
_::_::_::_::_
val crossing_v2 :
  unit -> (loc * loc * loc * loc) list option =
  <fun>
val crossing_many_possible_moves : unit -> unit =
  <fun>
val crossing_many_possible_moves' : unit -> unit =
  <fun>
exception KeepLooking
val process_solution_exn :
  ('a -> string) -> 'a -> 'a option = <fun>
val show_list : ('a -> string) -> 'a list -> string =
  <fun>
val show_loc : 'a -> string = <fun>
val show_state : 'a * 'b * 'c * 'd -> string = <fun>
val show_path :
  ('_weak1 * '_weak2 * '_weak3 * '_weak4) list ->
  string = <fun>
- ( 15:47:05 )-< command 2 >-----{ counter: 0 }-
utop # crossing_v2 () ;;
- : (loc * loc * loc * loc) list option =
Some
  [(L, L, L, L); (R, L, R, L); (L, L, R, L);
   (R, R, R, L); (L, R, L, L); (R, R, L, R);
   (L, R, L, R); (R, R, R, R)]
```

```
- ( 15:47:17 )-< command 3 >-----{ counter: 0 }-
utop # #use "wolf.ml";;
val is_not_elem : 'a list -> 'a -> bool = <fun>
type loc = L | R
type state = loc * loc * loc * loc
val ok_state : state -> bool = <fun>
val final : loc * loc * loc * loc -> bool = <fun>
val other_side : loc -> loc = <fun>
val moves : state -> state list = <fun>
```

File "wolf.ml", line 83, characters 6-270:

Warning 8: this pattern-matching is not exhaustive.
Here is an example of a case that is not matched:

```
_::_::_::_
val crossing_v1 : unit -> state list option = <fun>
exception FoundPath of (loc * loc * loc * loc) list
File "wolf.ml", line 104, characters 6-360:
```

Warning 8: this pattern-matching is not exhaustive.
Here is an example of a case that is not matched:

```
_::_::_::_::_
```

```

val crossing_v2 :
  unit -> (loc * loc * loc * loc) list option =
  <fun>
val crossing_many_possible_moves : unit -> unit =
  <fun>
val crossing_many_possible_moves' : unit -> unit =
  <fun>
exception KeepLooking
val process_solution_exn :
  ('a -> string) -> 'a -> 'a option = <fun>
val show_list : ('a -> string) -> 'a list -> string =
  <fun>
val show_loc : 'a -> string = <fun>
val show_state : 'a * 'b * 'c * 'd -> string = <fun>
val show_path : ('a * 'b * 'c * 'd) list -> string =
  <fun>
-( 15:47:23 )-< command 4 >-----{ counter: 0 }-
utop # crossing_v2 () ;;
- : (loc * loc * loc * loc) list option =
Some
  [(L, L, L, L); (R, L, R, L); (L, L, R, L);
   (R, R, R, L); (L, R, L, L); (R, R, L, R);
   (L, R, L, R); (R, R, R, R)]
-( 15:49:02 )-< command 5 >-----{ counter: 0 }-
utop # List.fold_left ;;
- : ('a -> 'b -> 'a) -> 'a -> 'b list -> 'a = <fun>
-( 15:50:15 )-< command 6 >-----{ counter: 0 }-
utop # #use "wolf.ml";;
File "wolf.ml", line 133, characters 21-22:
Error: Syntax error
-( 15:53:19 )-< command 7 >-----{ counter: 0 }-
utop # #use "wolf.ml";;
val is_not_elem : 'a list -> 'a -> bool = <fun>
type loc = L | R
type state = loc * loc * loc * loc
val ok_state : state -> bool = <fun>
val final : loc * loc * loc * loc -> bool = <fun>
val other_side : loc -> loc = <fun>
val moves : state -> state list = <fun>
File "wolf.ml", line 83, characters 6-270:
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Here is an example of a case that is not matched:
_::_::_::_::_
val crossing_v2 :
  unit -> (loc * loc * loc * loc) list option =
  <fun>

```

```

val crossing_many_possible_moves :
  unit -> (loc * loc * loc * loc) list option =
  <fun>
val crossing_many_possible_moves' : unit -> unit =
  <fun>
exception KeepLooking
val process_solution_exn :
  ('a -> string) -> 'a -> 'a option = <fun>
val show_list : ('a -> string) -> 'a list -> string =
  <fun>
val show_loc : 'a -> string = <fun>
val show_state : 'a * 'b * 'c * 'd -> string = <fun>
val show_path : ('a * 'b * 'c * 'd) list -> string =
  <fun>
-( 15:57:30 )-< command 8 >-----{ counter: 0 }-
utop # crossing_many_possible_moves () ;;
- : (loc * loc * loc * loc) list option =
Some
  [(L, L, L, L); (R, L, R, L); (L, L, R, L);
   (R, R, R, L); (L, R, L, L); (R, R, L, R);
   (L, R, L, R); (R, R, R, R)]
-( 15:57:43 )-< command 9 >-----{ counter: 0 }-
utop # List.iter ;;
- : ('a -> unit) -> 'a list -> unit = <fun>
-( 15:57:52 )-< command 10 >----- ( -( 1-( -( -( -( -( 15-( 15:-( 1
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-( 15:58:43 )-< command 10 >-----{ counter: 0 }-
utop #

```

Arg	Array	ArrayLabels	Assert_failure	Bigarray	Buffer	Bytes	BytesLabels	Callba