

Last login: Fri Mar 30 15:33:43 on ttys004

carbon:\$ cd Search/

carbon:\$ utop

Welcome to utop version 2.0.2 (using OCaml version 4.06.0)!

Type #utop\_help for help about using utop.

-( 15:45:34 )-< command 0 >-----{ counter: 0 }-

utop # #use "search\_options.ml";;

val gen\_subsets : 'a list -> 'a list list = <fun>

val s : int list = [1; 3; -2; 5; -6]

val sum : int list -> int = <fun>

val subsetsum\_option\_v1 : 'a list -> 'a list option = <fun>

val subsetsum\_option\_v2 : int list -> int list = <fun>

val show\_list : ('a -> string) -> 'a list -> string = <fun>

val process\_solution\_option : ('a -> string) -> 'a -> 'a option =  
<fun>

val subsetsum\_option : int list -> int list option = <fun>

-( 15:45:34 )-< command 1 >-----{ counter: 0 }-

utop # gen\_subsets s ;;

- : int list list =

[[[-6; 5; -2; 3; 1]; [5; -2; 3; 1]; [-6; -2; 3; 1]; [-2; 3; 1];  
[-6; 5; 3; 1]; [5; 3; 1]; [-6; 3; 1]; [3; 1]; [-6; 5; -2; 1];  
[5; -2; 1]; [-6; -2; 1]; [-2; 1]; [-6; 5; 1]; [5; 1]; [-6; 1]; [1];  
[-6; 5; -2; 3]; [5; -2; 3]; [-6; -2; 3]; [-2; 3]; [-6; 5; 3];  
[5; 3]; [-6; 3]; [3]; [-6; 5; -2]; [5; -2]; [-6; -2]; [-2];  
[-6; 5]; [5]; [-6]; []]

-( 15:45:41 )-< command 2 >-----{ counter: 0 }-

utop # List.lenght (gen\_subsets s) ;;

Error: Unbound value List.lenght

Hint: Did you mean length?

-( 15:45:55 )-< command 3 >-----{ counter: 0 }-

utop # List.length (gen\_subsets s) ;;

- : int = 32

-( 15:46:18 )-< command 4 >-----{ counter: 0 }-

utop # #use "search\_options.ml";;

val gen\_subsets : 'a list -> 'a list list = <fun>

val s : int list = [1; 3; -2; 5; -6]

val sum : int list -> int = <fun>

val subsetsum\_option\_v1 : int list -> int list option = <fun>

val subsetsum\_option\_v2 : int list -> int list = <fun>

val show\_list : ('a -> string) -> 'a list -> string = <fun>

val process\_solution\_option : ('a -> string) -> 'a -> 'a option =  
<fun>

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val subsetsum_option : int list -> int list option = <fun>
-( 15:46:24 )-< command 5 >-----{ counter: 0 }-
utop # subsetsum_option_v1 s ;;
- : int list option = Some [-6; 5; 1]
-( 15:56:49 )-< command 6 >-----{ counter: 0 }-
utop # #use "search_options.ml";;
val gen_subsets : 'a list -> 'a list list = <fun>
val s : int list = [1; 3; -2; 5; -6]
val sum : int list -> int = <fun>
val subsetsum_option_v1 : int list -> int list option = <fun>
val subsetsum_option_v2 : int list -> int list = <fun>
val show_list : ('a -> string) -> 'a list -> string = <fun>
val process_solution_option : ('a -> string) -> 'a -> 'a option =
  <fun>
val subsetsum_option : int list -> int list option = <fun>
-( 15:56:56 )-< command 7 >-----{ counter: 0 }-
utop # subsetsum_option s ;;
Here is a solution: [ -6; 5; 1 ]
Do you like it ?
n
Here is a solution: [ -6; 5; -2; 3 ]
Do you like it ?
n
- : int list option = None
-( 16:03:20 )-< command 8 >-----{ counter: 0 }-
utop # subsetsum_option s ;;
Here is a solution: [ -6; 5; 1 ]
Do you like it ?
y
Thanks for playing...
- : int list option = Some [-6; 5; 1]
-( 16:03:56 )-< command 9 >-----{ counter: 0 }-
utop #

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Arg	Array	ArrayLabels	Assert_failure	Bigarray	Buffer	Bytes	BytesLab
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