

Last login: Wed Apr 5 13:19:09 on ttys006
carbon:Sec_01_1:25pm\$ utop

Welcome to utop version 1.14 (using OCaml version 4.01.0)!

Type #utop_help for help about using utop.

```
-( 18:00:00 )-< command 0 >-----{ counter: 0 }-
utop # #use "search_options.ml";;
val s : int list = [1; 3; -2; 5; -6]
val gen_subsets : 'a list -> 'a list = <fun>
-( 13:54:43 )-< command 1 >-----{ counter: 0 }-
utop # gen_subsets s ;;

- : int 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]
-( 13:54:47 )-< command 2 >-----{ counter: 0 }-
utop # #use "search_options.ml";;
val s : int list = [1; 3; -2; 5; -6]
val gen_subsets : 'a list -> 'a list list = <fun>
-( 13:55:09 )-< command 3 >-----{ 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]; []]
-( 13:56:45 )-< command 4 >-----{ counter: 0 }-
utop # #use "search_options.ml";;
File "search_options.ml", line 19, characters 34-37:
Error: Syntax error
-( 13:56:48 )-< command 5 >-----{ counter: 0 }-
utop # #use "search_options.ml";;
val s : int list = [1; 3; -2; 5; -6]
val gen_subsets : 'a list -> 'a list list = <fun>
val sum : int list -> int = <fun>
val subsetsum_v1 : int list -> int list option = <fun>
-( 14:12:51 )-< command 6 >-----{ counter: 0 }-
utop # #use "search_options.ml";;
val s : int list = [1; 3; -2; 5; -6]
val gen_subsets : 'a list -> 'a list list = <fun>
val sum : int list -> int = <fun>
val subsetsum_v1 : int list -> int list option = <fun>
-( 14:13:30 )-< command 7 >-----{ counter: 0 }-
utop # subsetsum_v1 s ;;
- : int list option = Some [-6; 5; 1]
-( 14:14:14 )-< command 8 >-----{ counter: 0 }-
```

```
utop # subsetsum_v1 [1;2;3] ;;
- : int list option = None
-( 14:14:19 )-< command 9 >-----{ counter: 0 }-
utop #
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Arg	Arith_status	Array	ArrayLabels	Assert_failure	Big_int	Bigarray	Buffer	Call
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