

Last login: Wed Mar 22 13:48:08 on ttys014

carbon:~\$ c2

carbon:17_Fall_2041\$ cd carbon-repos/public-class-repo/SamplePrograms/

carbon:SamplePrograms\$ 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 # let cond a b c = if a then b then c ;;

Error: Syntax error

-(16:03:20)-< command 1 >-----{ counter: 0 }-

utop # let cond a b c = if a then b else c ;;

val cond : bool -> 'a -> 'a -> 'a = <fun>

-(16:03:28)-< command 2 >-----{ counter: 0 }-

utop # let rec sumToN n = if n = 0 then 0 else n + sumToN (n-1) ;;

val sumToN : int -> int = <fun>

-(16:03:35)-< command 3 >-----{ counter: 0 }-

utop # sumToN 5 ;;

- : int = 15

-(16:04:10)-< command 4 >-----{ counter: 0 }-

utop # let rec sumToN' n = cond (n = 0) 0 (n + sumToN (n-1)) ;;

val sumToN' : int -> int = <fun>

-(16:04:14)-< command 5 >-----{ counter: 0 }-

utop # sumToN' 5 ;;

- : int = 15

-(16:04:36)-< command 6 >-----{ counter: 0 }-

utop # let rec sumToN' n = cond (n = 0) 0 (n + sumToN' (n-1)) ;;

val sumToN' : int -> int = <fun>

-(16:05:24)-< command 7 >-----{ counter: 0 }-

utop # sumToN' 5 ;;

Stack overflow during evaluation (looping recursion?).

-(16:05:33)-< command 8 >-----{ counter: 0 }-

utop #

Arg	Arith_status	Array	ArrayLabels	Assert_failure	Big_int	Bigarray	Buffer	Callback	Cam
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