lib/basic/nat-div-eval-problem.ath

```
1 # Eval problems were occuring even after the fix in r1764. But it
  # works now after adding open commands on modules Div and Mod to open
  # modules containing the axioms needed for evaluation.
  # After r1796, it works without the exta opens.
6 load "nat-div.ath"
8 open N
  open Div
11
12 (eval ((S (S zero))) Div (S (S (S (S zero)))))))
14 (eval ((int->nat 2) Div (int->nat 2)))
15
16 (nat->int (eval ((int->nat 6) Div (int->nat 2))))
17
18 (eval ((S (S zero)) Div zero))
19
20 open Mod
21 (eval ((S zero) Mod zero))
23 (eval ((int->nat 3) Mod (int->nat 2)))
25 (eval ((int->nat 4) Mod (int->nat 4)))
26
27 (evall ((S (S (S zero))) Div (S (S (S (S zero)))))))
29 # All of the eval calls are unable to reduce the term.
30 # The eval1 call results in the error
32 # /Users/musser/se-proposals/proofs/lib/main/nat-div.ath:2:13: Error:
  # Could not find a value for Less'.
33
36 # eval calls are still unable to reuce the term, and the eval1 call
37 # gives a different error:
39 # /Users/musser/se-proposals/proofs/lib/basic/rewriting.ath:2906:33:
40 # Error: Try expression error; all 2 alternatives failed..
```