lib/basic/dmaps_unittest.ath

```
1   load "dmaps"
2
3   open DMap
4
5   define f := lambda (i) [(string->id ("s" joined-with (val->string i))) i]
6
7   define L := (from-to 1 5)
8
9   define sample-map := (make-map (map f L))
10
11  # So sample-map maps 's1 to 1, ..., 's5 to 5.
12
13  (eval sample-map at 's1)
14  (eval sample-map at 's2)
15  (eval sample-map at 's3)
16  (eval sample-map at 's4)
17  (eval sample-map at 's5)
18
19  # And this should give the default value 0:
20
21  (eval sample-map at 's99)
22
23  (eval default sample-map)
24
25  let {m1 := [77 [['x --> 1] ['y --> 2]]];
26       m2 := [78 [['y --> 2] ['x --> 1]]]}
27    (eval (agree-on m1 m2 ['x 'y]))
28
29  define sm1 := [0 [['x --> 1] ['y --> 2] ['z --> 3]]]
30  define sm2 := [0 [['y --> 2] ['z --> 3] ['x --> 1]]]
31
32  (eval sm1 |^ ['z 'y])
```