

Our sample applications that relied on restartable exceptions had a subtle flaw. Upon the exception restart a new node is added to the tree, changing the height of its branch and potentially requiring rebalancing. We should have written

```
let pnf = new_prompt () in
match push_prompt pnf (fun () -> Done (update4 pnf 1 succ tree1)) with
| Done tree      -> tree
| ReqNF (k,c)    ->
    rebalance (match push_subcont c (fun () -> 100) with Done x -> x)
```

if we eventually discover that the key was missing and a new node has to be adjoined, we go ‘back in time’ and add the call to `rebalance` at the beginning.