The function call `push_subcont c (fun () -> 100)` resumes the evaluation of `update4` as if the expression `take_subcont pnf (...)` returned 100. We have started with the expression `Done (update4 pnf 1 succ tree1)`, whose evaluation was interrupted by the exception; `push_prompt` has caught the exception, yielding `ReqNF (k,c)` rather than the value `Done tree` expected as the result of our expression. The restarted expression does not raise any further exceptions, finishing normally, with the result `Done tree`. The result becomes the value yielded by `push_subcont`. (The last `Done x` pattern-match in the sample application is therefore total.)