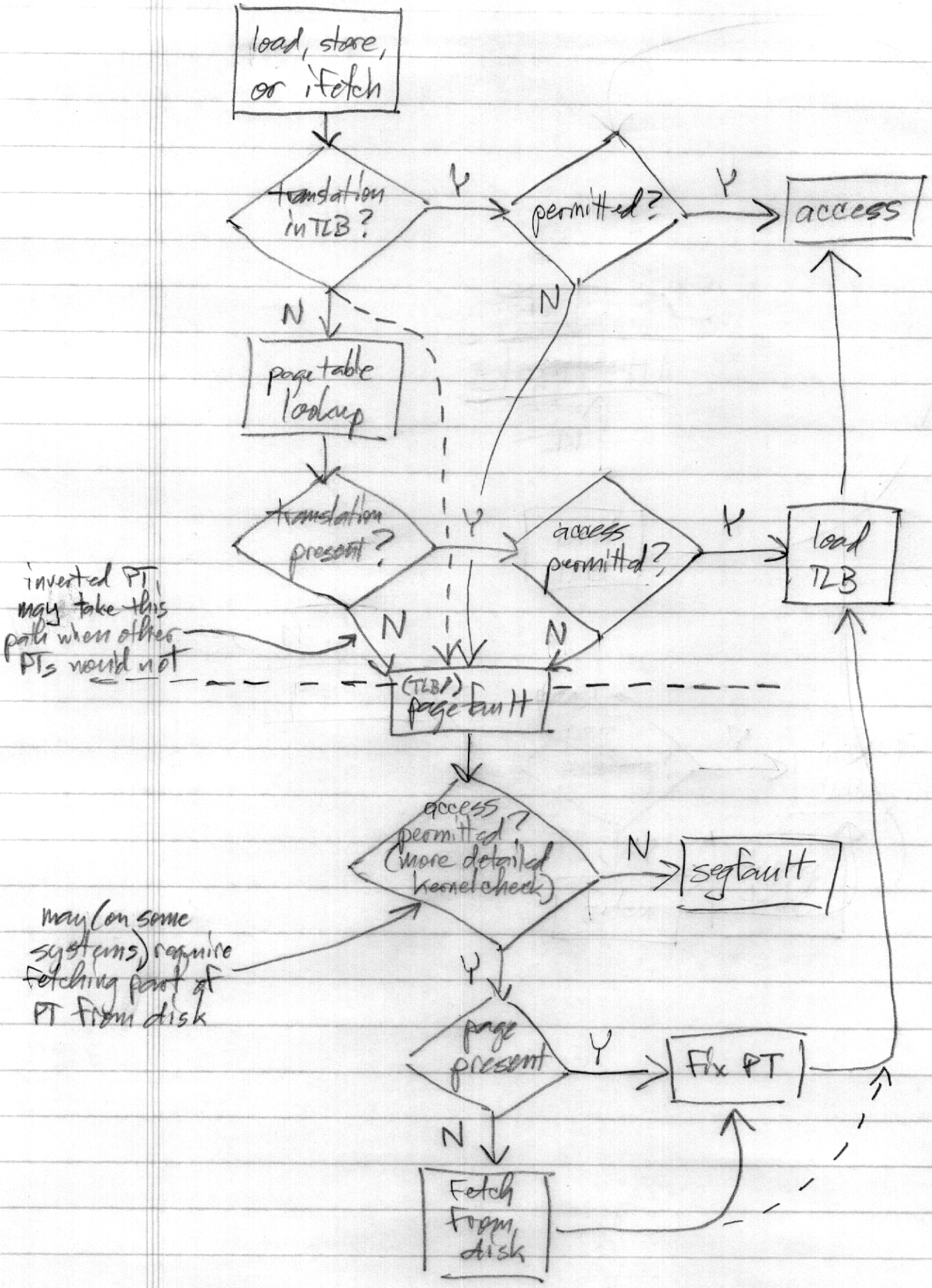
load, store, or ifetch
translation in TLB?
Y
permitted?
Y
access
N
N
page table lookup
translation present?
Y
access permitted?
Y
load TLB
inverted PT may take this path when others PTs would not
N
N
(TLB) page fault
access permitted? (more detailed kernel check)
N
segfault
may (on some systems) require fetching part of PT from disk
Y
page present
Y
Fix PT
N
Fetch from disk