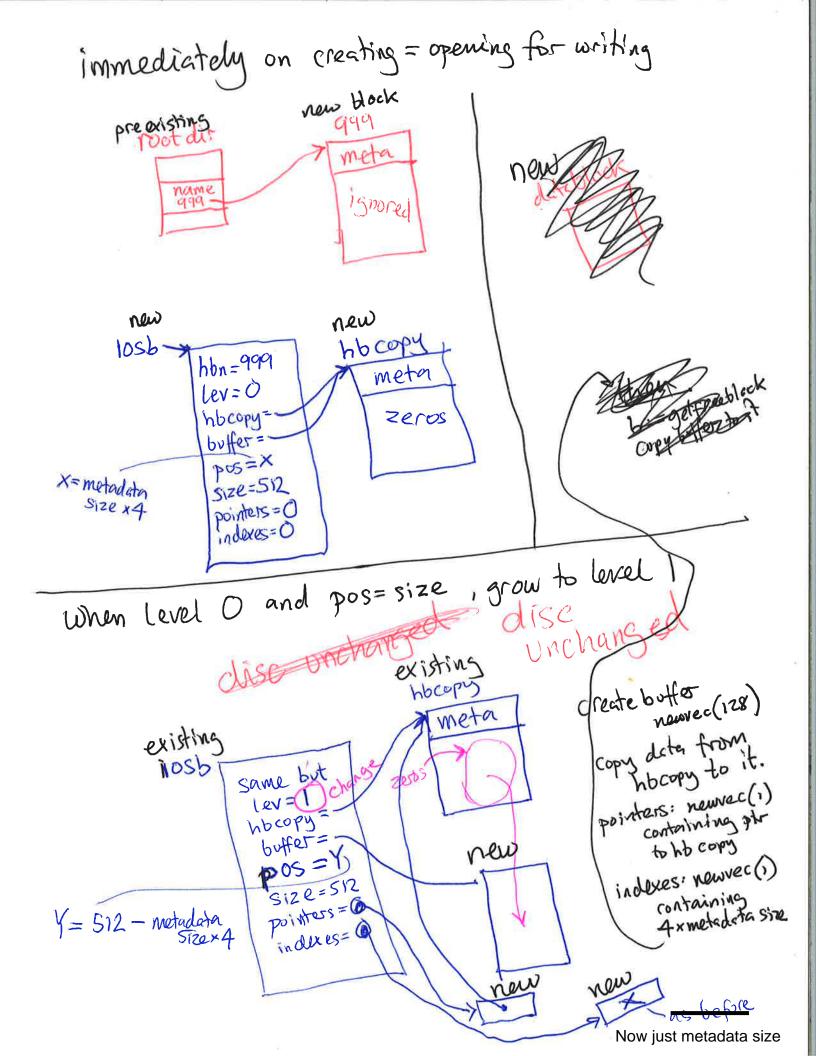
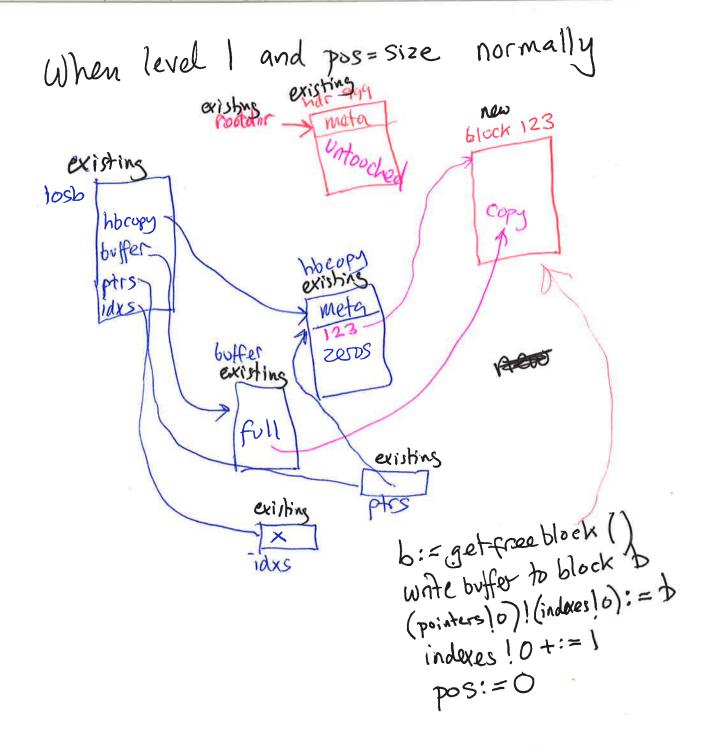
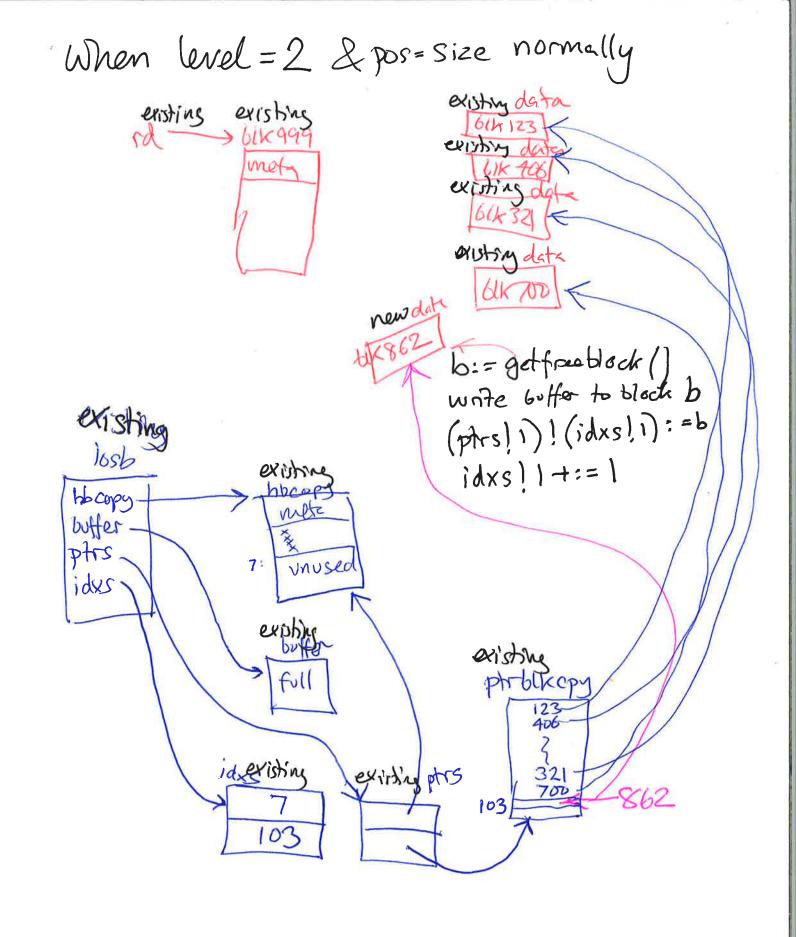


The two little vectors are pointers: where to find the in-memory copy of any block that contains the useful block numbers indexes: the positions in those blocks that are currently relevant to us. There are of course many variations on this basic method. The indexes 23, 166, 55, 302 mean that we are currently The indexes 23, 166, 55, 302 mean that we are currently at byte 199,913,262 of the file -123, 128×128×512 + 106×128×512 + 302 The 23 should be 13, I forgot to subtract the size of the metadata. Witting a bute:

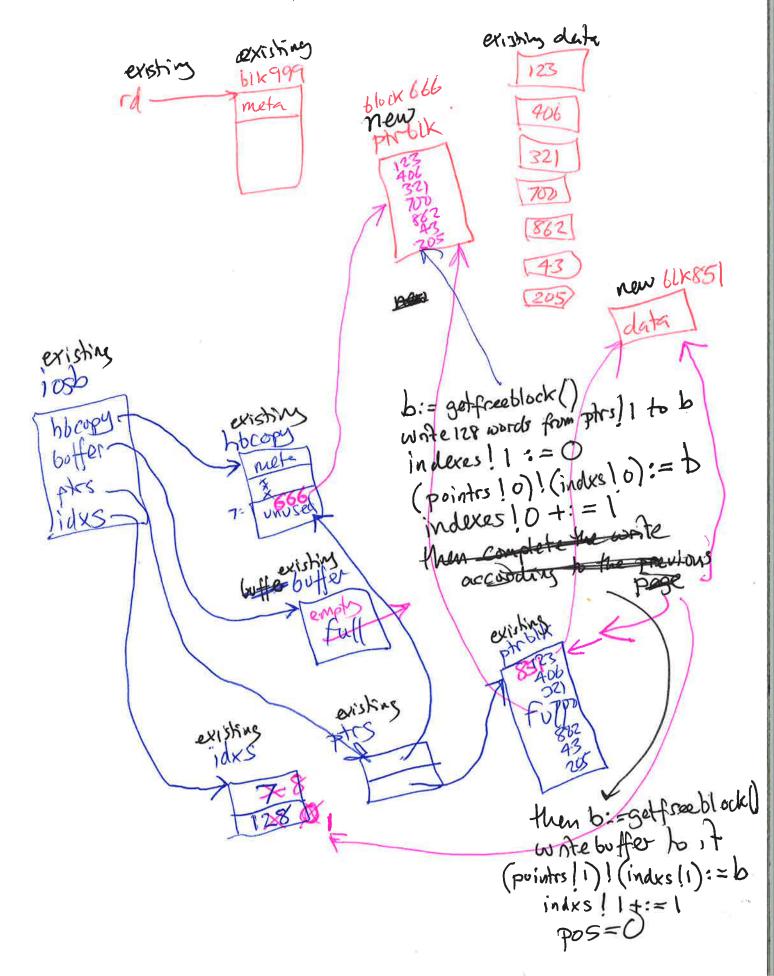


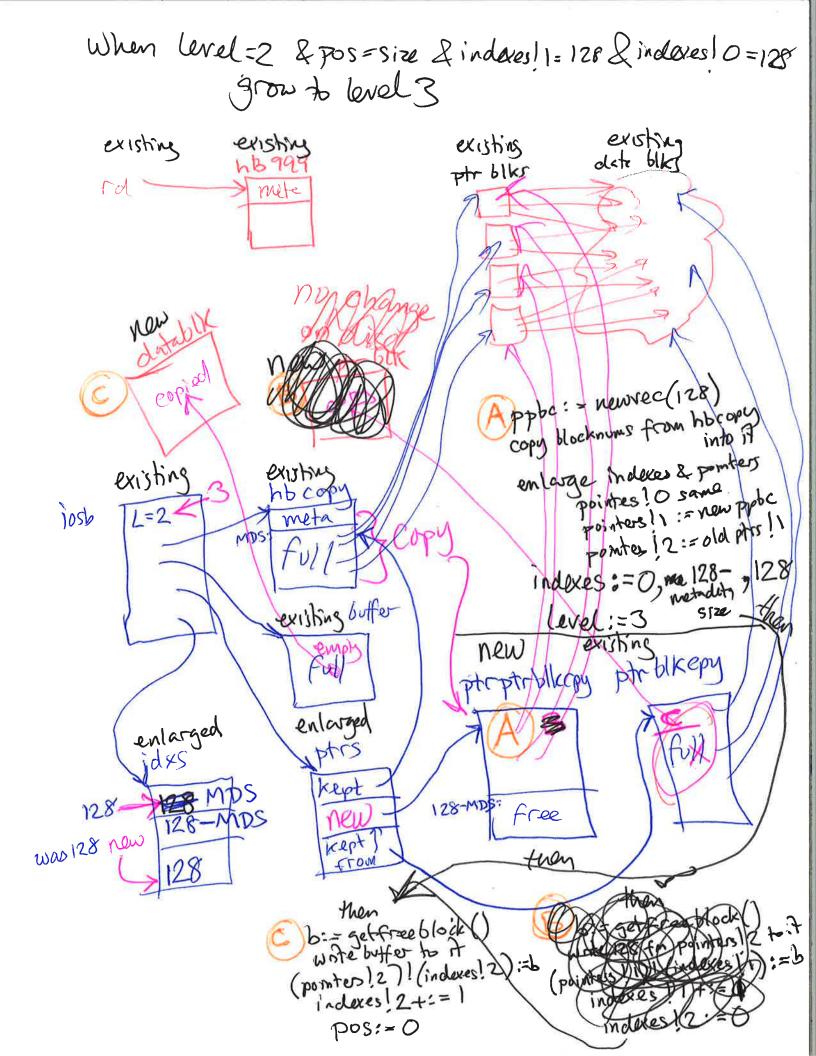


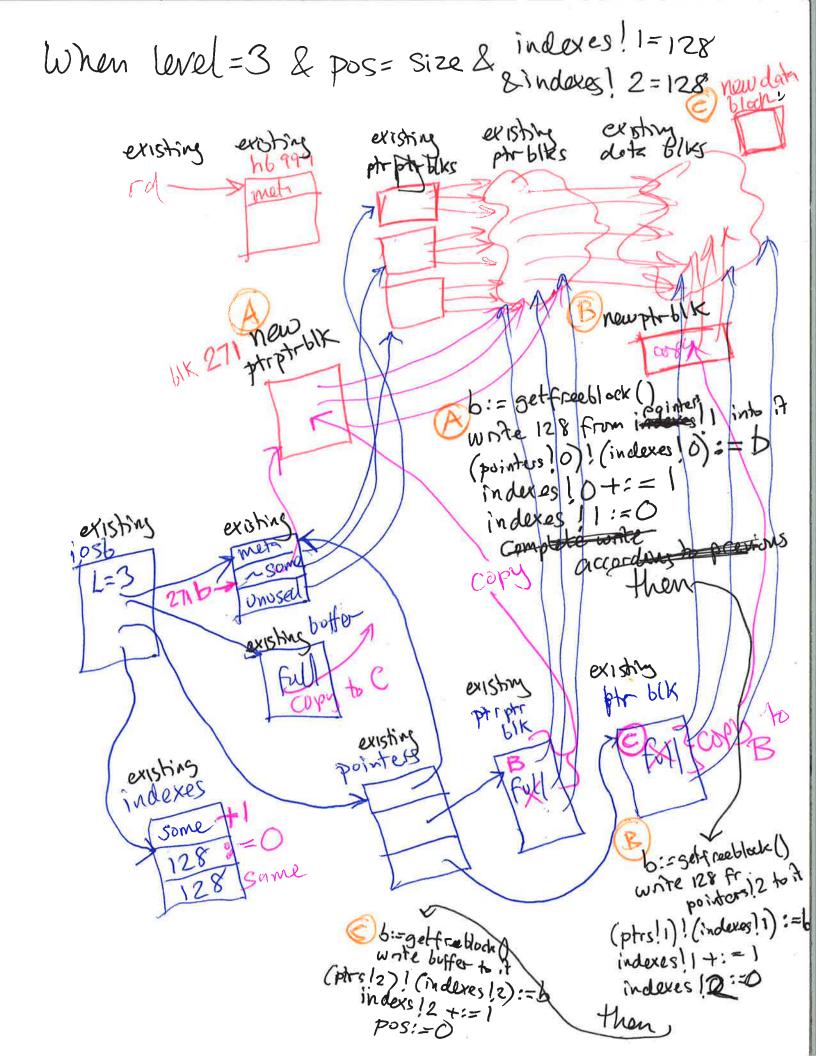
When level = 1 & Pos=size & indexes 10 = 128 grow to two level. existing existin \$ 199 existing block 123 rootdir meta dator no change existing 406 ondisc a data existing block 321 aristing iosb-1 ab deta L= \ < hbcopy buffer ptrs, existing idxshbeogi ptrolkcpy:=newvec(128) meta copy blocknumbers from hocopy to it 123 0 406 increase sizes of ptrs & idxs ptrs 11 := ptr-blkcpy idxs) ) := netudation new A existing buffer ptrblkcp idxs10:=0 Ke[1):=b Level:=2 full COPY (pdi mols ptics idis enlarged enlarged was 128 rdded meta



When level=2 & pos=size & indexes ] 1 = 128







on close (level 3) Update header block copy info write hb copy to block issb hbn for i= 0 to level-2 (i.e. #) write all 128 words from where pointers ((+1) points to block (porter tizit (pointers)i)! (indexes !i) free everything