

Problem 3.1

File Contents
Block 1 <Black 33 OKC 20> <Chapman 44 Edmond 20> <Clinton 55 Tulsa 25> (block 2 *) Block 2 <Ford 66 Enid 25> <Grant 22 Norman 15> <Haas 99 OKC 20> (block 3 *) Block 3 <Hougan 88 Yukon 25> <Johnson 11 Yukon 20> <White 77 OKC 20>

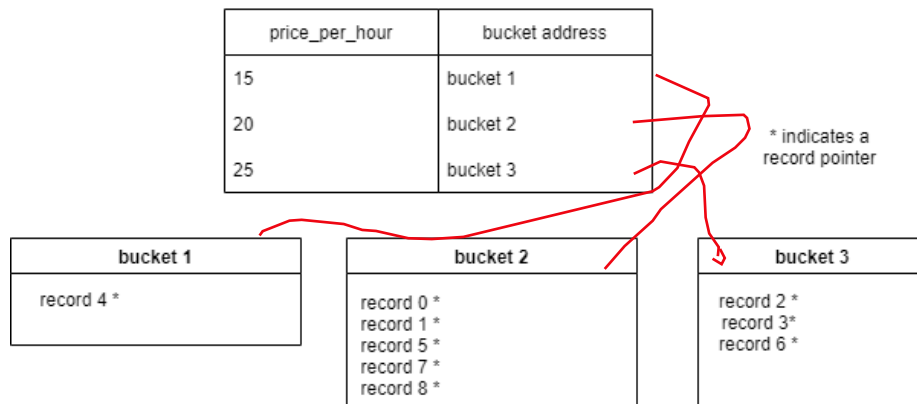
* indicates
a pointer



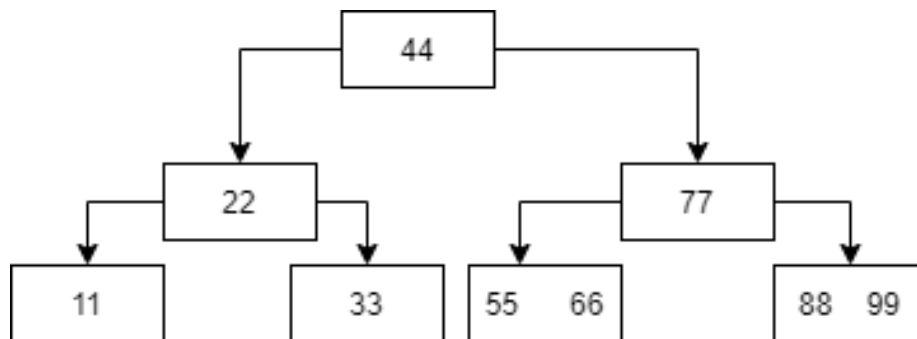
Problem 3.2

The secondary index on "price_per_hour" is a candidate key, so bucket addresses will be used in the secondary index instead of block addresses

missing primary index: -3



Problem 3.3



Without record pointers this is not an index: -1.5