

PROBLEM 3:

GQ4) ComputerRepairSpecialists sequential file with name as the ordering field

Main Data File						
		name	certificate no.	city	price_per_hour	
Block 1	r1	Black	33	OKC	\$20	
	r2	Chapman	44	Edmond	\$20	
	r3	Clinton	55	Tulsa	\$25	
Block 2	r4	Ford	66	Enid	\$25	
	r5	Grant	22	Norman	\$15	
	r6	Haas	99	OKC	\$20	
Block 3	r7	Hougen	88	Yukon	\$25	
	r8	Johnson	11	Yukon	\$20	
	r9	White	77	OKC	\$20	

GQ5)

Main Data File				
	NAME	Certificate no.	City	Price_per_hour
Block 1	Black	33	OKC	\$20
	Chapman	44	Edmond	\$20
	Clinton	55	Tulsa	\$25
Block 2	Ford	66	Enid	\$25
	Grant	22	Norman	\$15
	Haas	99	OKC	\$20
Block 3	Hougen	88	Yukon	\$25
	Johnson	11	Yukon	\$20
	White	77	OKC	\$20

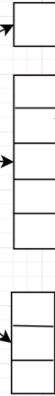
Primary Index	
name	block address
Black	
Ford	
Hougen	

Secondary Index on price\_per\_hour

Buckets

Main data file

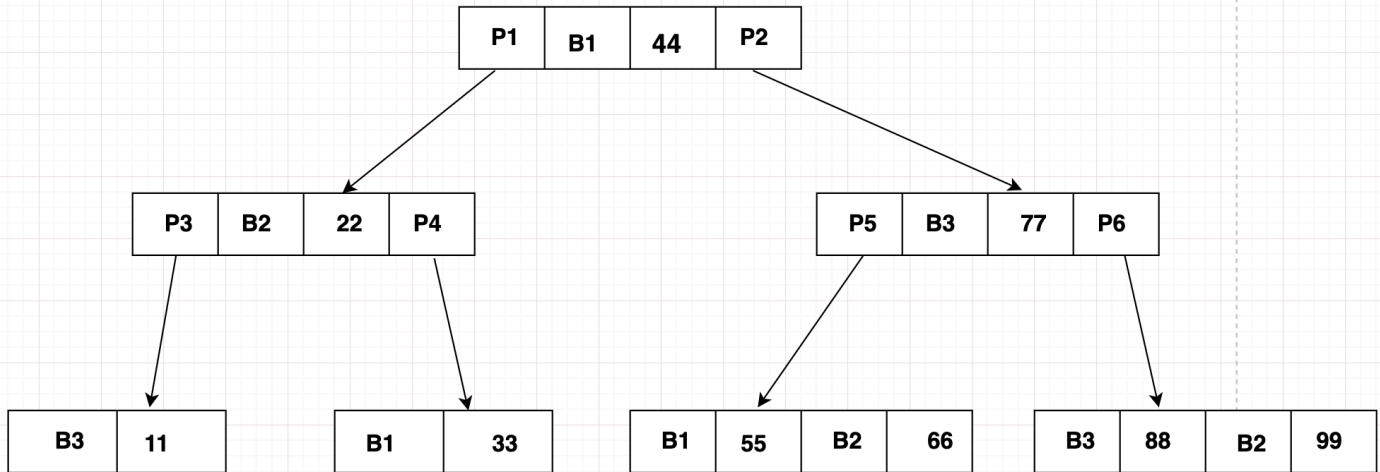
price_per_hour	bucket address
15	
20	
25	



name	certificate no.	city	price_per_hour		
Black	33	OKC	\$20	r1	Block 1
Chapman	44	Edmond	\$20	r2	
Clinton	55	Tulsa	\$25	r3	
Ford	66	Enid	\$25	r4	Block 2
Grant	22	Norman	\$15	r5	
Haas	99	OKC	\$20	r6	
Hougen	88	Yukon	\$25	r7	Block 3
Johnson	11	Yukon	\$20	r8	
White	77	OKC	\$20	r9	

GQ6)

B Tree file on certificationNo



Pi = Tree pointer pointing to the subtree  
Bi = Data pointer pointing to a block