1. The cost of searching the names without indexing is 4390:



And the cost of searching the addresses without indexing is 4390 as well:



2. After applying names indexing using b-tree access method, the value of costs decreases to 8.45:



After doing the same to the addresses, the values of costs behaved the same way, becoming 8.44:



3. After applying name indexing using hash method, the value of total cost decreased as well and became 11.89:



After doing the same to the addresses, the value of costs decreased as well, becoming 8.02:



Conclusion: having indexes for the elements of a database increases the performance of searching. The method chosen foe searching does not really affect the performance, though, hashing addresses in my case happened to have a greater value of costs.