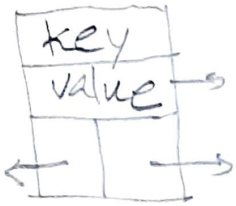
List

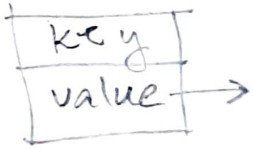


node_t

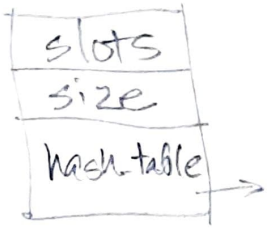
Hash

hashes key into index for hash_table

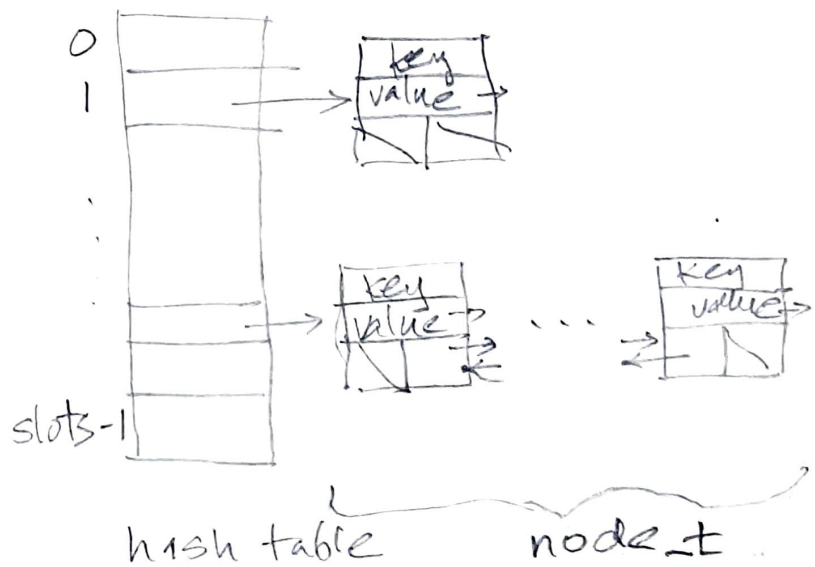
Dictionary

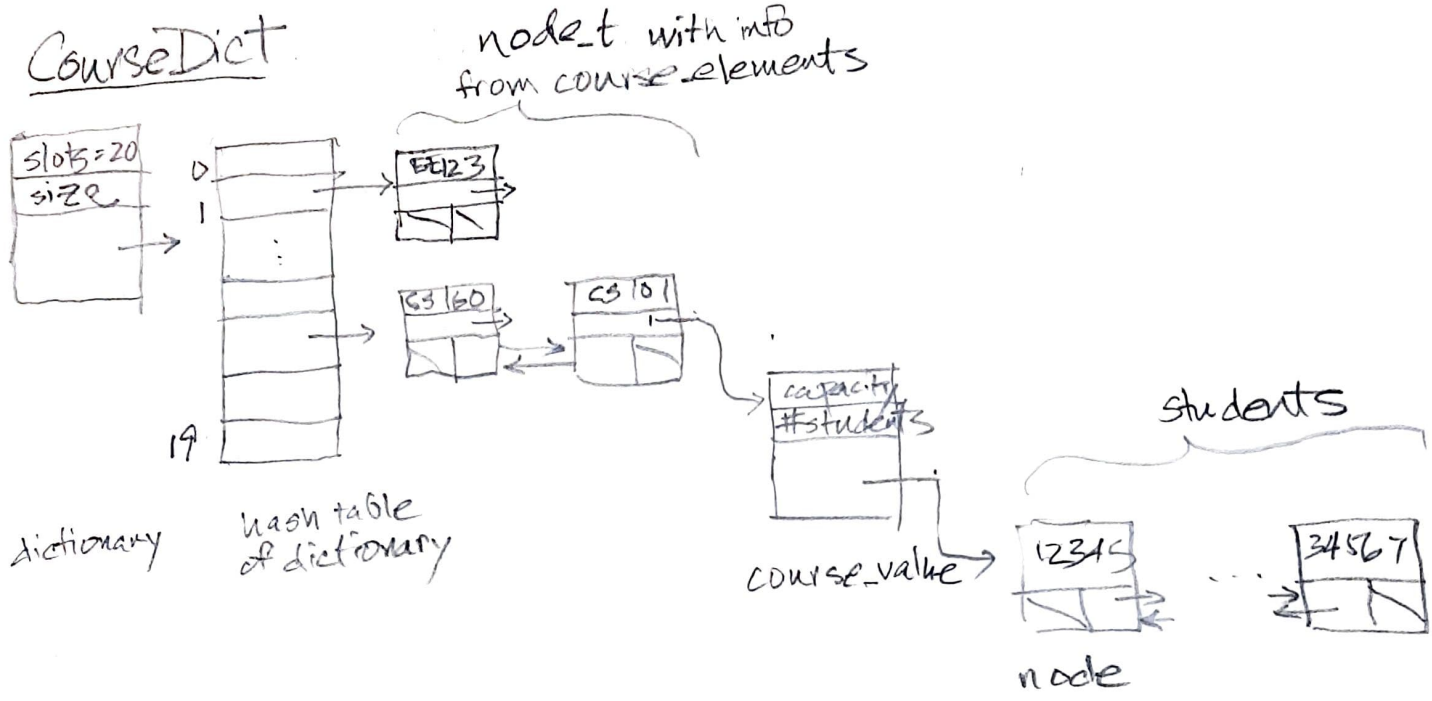


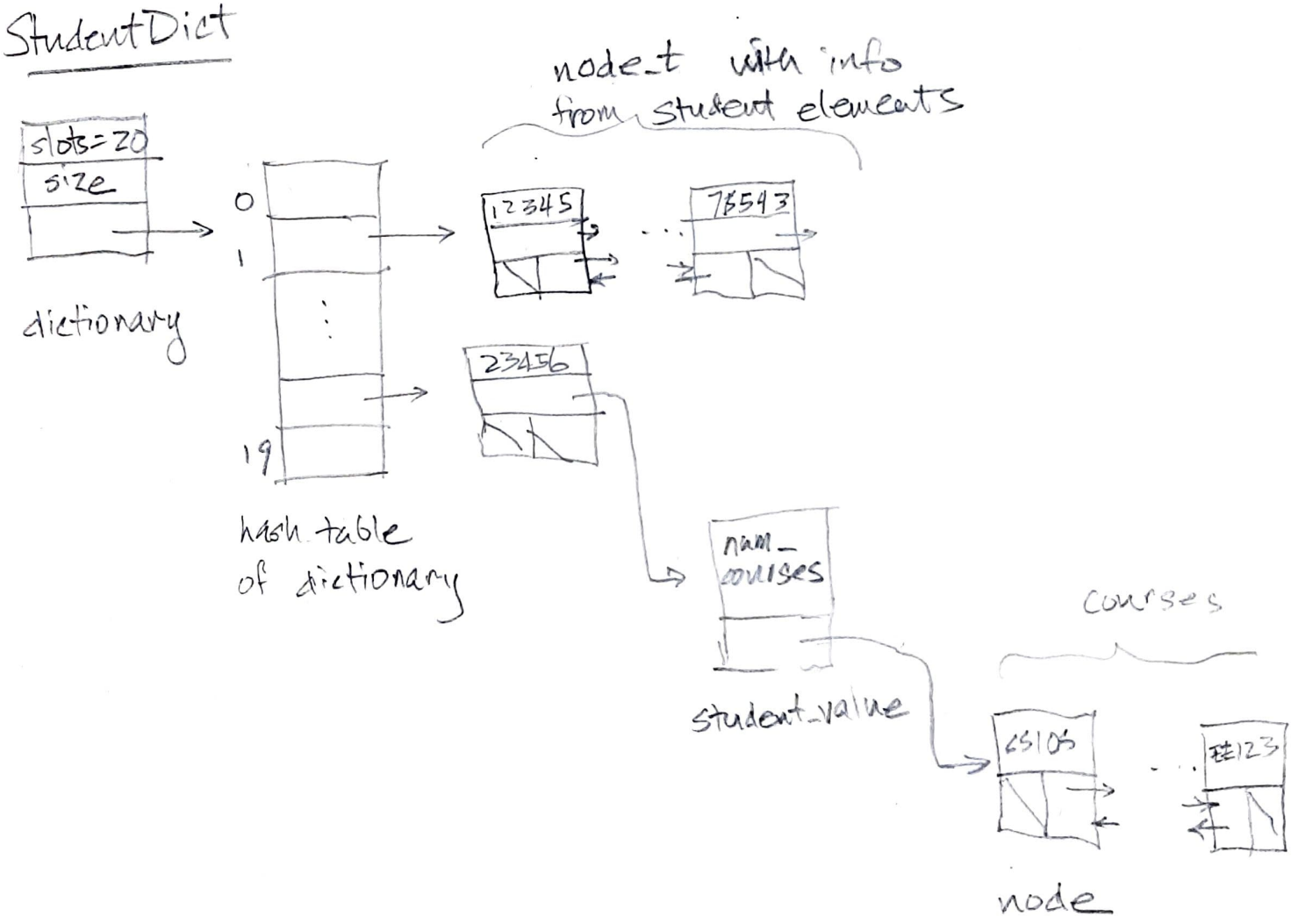
element



dictionary




CourseDict
node_t with info from course_elements
slots=20
size
0
1
19
EE123
CS160
CS101
capacity
#students
students
12345
34567
dictionary
hash table of dictionary
course_value
node


StudentDict
node_t with info from student elements
slots=20
size
0
1
19
12345
76543
23456
dictionary
hash table of dictionary
num_courses
courses
student_value
CS105
EE123
node