size\_of\_node: 24 node\_size\_with\_cache: 56

ini\_root\_pointer\_seek: 0

clear\_root\_pointer\_seek: 0

clear\_root\_seek: 0

which is: pos:-559038737 size:1 key:0

第一次插入

load\_cache\_seek: 28

which are:

key: 6422200, pointer: 4216473;

insert\_no\_root\_seek: 0

which is: key: 1 value: 2

save\_cache\_seek: 28

which are:

key: 1, pointer: 0;

第二次插入

load\_cache\_seek: 28

which are:

key: 1, pointer: 0;

ask\_for\_data: at 8

\_insert\_new\_value\_seek: 8

which is: key: 2 value: 4

save\_cache\_seek: 28

which are:

key: 1, pointer: 0; key: 2, pointer: 8;

第三次插入

load\_cache\_seek: 28

which are:

key: 1, pointer: 0; key: 2, pointer: 8;

ask\_for\_data: at 16

\_insert\_new\_value\_seek: 16

which is: key: 3 value: 6

save\_cache\_seek: 28

which are:

key: 1, pointer: 0; key: 2, pointer: 8; key: 3, pointer: 16;

第四次插入

load\_cache\_seek: 28

which are:

key: 1, pointer: 0; key: 2, pointer: 8; key: 3, pointer: 16;

ask\_for\_data: at 24

\_insert\_new\_value\_seek: 24

which is: key: 4 value: 8

save\_cache\_seek: 28

which are:

key: 1, pointer: 0; key: 2, pointer: 8; key: 3, pointer: 16; key: 4, pointer: 24;

ask\_for\_bpt: at 60

load\_cache\_seek: 28

which are:

key: 1, pointer: 0; key: 2, pointer: 8; key: 3, pointer: 16; key: 4, pointer: 24;

ask\_for\_bpt: at 116

save\_cache\_seek: 140

which are:

key: 3, pointer: 16; key: 4, pointer: 24;

save\_node\_seek: 116

which is: pos:116 size:2 key:3

extend\_root\_seek: 84

which are: first\_key: 1 first\_pos: 4 second\_key: 3 second\_pos: 116

save\_node\_seek: 4

which is: pos:4 size:2 key:1

第五次插入

load\_cache\_seek: 84

which are:

key: 1, pointer: 4; key: 3, pointer: 116;

load\_node\_seek: 116

which is: pos:116 size:2 key:3

load\_cache\_seek: 140

which are:

key: 3, pointer: 16; key: 4, pointer: 24;

ask\_for\_data: at 32

\_insert\_new\_value\_seek: 32

which is: key: 5 value: 10

save\_cache\_seek: 140

which are:

key: 3, pointer: 16; key: 4, pointer: 24; key: 5, pointer: 32;

save\_node\_seek: 116

which is: pos:116 size:3 key:3

第六次插入

load\_cache\_seek: 84

which are:

key: 1, pointer: 4; key: 3, pointer: 116;

load\_node\_seek: 116

which is: pos:116 size:3 key:3

load\_cache\_seek: 140

which are:

key: 3, pointer: 16; key: 4, pointer: 24; key: 5, pointer: 32;

ask\_for\_data: at 40

\_insert\_new\_value\_seek: 40

which is: key: 6 value: 12

save\_cache\_seek: 140

which are:

key: 3, pointer: 16; key: 4, pointer: 24; key: 5, pointer: 32; key: 6, pointer: 40;

load\_node\_seek: 4

which is: pos:4 size:2 key:1

load\_cache\_seek: 28

which are:

key: 1, pointer: 0; key: 2, pointer: 8;

save\_cache\_seek: 28

which are:

key: 1, pointer: 0; key: 2, pointer: 8; key: 3, pointer: 16;

save\_cache\_seek: 140

which are:

key: 4, pointer: 24; key: 5, pointer: 32; key: 6, pointer: 40;

save\_node\_seek: 4

which is: pos:4 size:3 key:1

save\_node\_seek: 116

which is: pos:116 size:3 key:3

查询

load\_cache\_seek: 84

which are:

key: 1, pointer: 4; key: 3, pointer: 116;

load\_node\_seek: 4

which is: pos:4 size:3 key:1

load\_cache\_seek: 28

which are:

key: 1, pointer: 0; key: 2, pointer: 8; key: 3, pointer: 16;

find\_seek: 4

which is: 2

2

load\_cache\_seek: 84

which are:

key: 1, pointer: 4; key: 3, pointer: 116;

load\_node\_seek: 4

which is: pos:4 size:3 key:1

load\_cache\_seek: 28

which are:

key: 1, pointer: 0; key: 2, pointer: 8; key: 3, pointer: 16;

find\_seek: 12

which is: 4

4

load\_cache\_seek: 84

which are:

key: 1, pointer: 4; key: 3, pointer: 116;

load\_node\_seek: 116

which is: pos:116 size:3 key:3

load\_cache\_seek: 140

which are:

key: 4, pointer: 24; key: 5, pointer: 32; key: 6, pointer: 40;

0

load\_cache\_seek: 84

which are:

key: 1, pointer: 4; key: 3, pointer: 116;

load\_node\_seek: 116

which is: pos:116 size:3 key:3

load\_cache\_seek: 140

which are:

key: 4, pointer: 24; key: 5, pointer: 32; key: 6, pointer: 40;

find\_seek: 28

which is: 8

8

load\_cache\_seek: 84

which are:

key: 1, pointer: 4; key: 3, pointer: 116;

load\_node\_seek: 116

which is: pos:116 size:3 key:3

load\_cache\_seek: 140

which are:

key: 4, pointer: 24; key: 5, pointer: 32; key: 6, pointer: 40;

find\_seek: 36

which is: 10

10

save\_node\_seek: 60

which is: pos:60 size:2 key:1

decode\_root\_pointer\_seek: 0

which is: 60

which is: 60