|  |  |
| --- | --- |
| Representation | Value |
| Sizeof(node) | 120 |
| Sizeof(node.data) | 104 |
| Sizeof(node.data.leaf) | 56 |
| Sizeof(node.data.intern) | 104 |
| &node | 0x601060 |
| &(node.data) | 0x601068 |
| &(data->intern.loaded) | 0x601070 |
| &(data->intern.children) | 0x601090 |
| &(data->leaf.keys) | 0x601070 |
| &(data->leaf.values) | 0x60107e |
| &(node.status) | 0x6010d0 |

一．

1.

1. 可能节省8个bytes。

二．

|  |  |
| --- | --- |
| Instruction | Value |
| Movl (%rax),%ecx | a[0] |
| Movl (%rax+ 40),%ecx | A[10] |
| Movl (%rax,%rbx,4),%ecx | A[i] |
| Movl -28(%rax , %rbx, 4),%ecx | \*(a+i-7) |
| Leaq (%rax,%rbx,4),%rcx | &a[i] |
| Leaq 20(%rax,%rbx,4),%rcx | &a[i+5] |

三．

Return p[600 \* (i + 1) + 30 \* (j + 2) + (k + 3)];