Cau 3

 h(1) = (1 + 3) mod 17 = 4 mod 17 = 4

 h(3) = (3 + 3) mod 17 = 6 mod 17 = 6

 h(18) = (18 + 3) mod 17 = 21 mod 17 = 4

 h(8) = (8 + 3) mod 17 = 11 mod 17 = 11

 h(23) = (23 + 3) mod 17 = 26 mod 17 = 9

 h(35) = (35 + 3) mod 17 = 38 mod 17 = 4

 h(11) = (11 + 3) mod 17 = 14 mod 17 = 14

 h(36) = (36 + 3) mod 17 = 39 mod 17 = 5

 h(20) = (20 + 3) mod 17 = 23 mod 17 = 6

 h(16) = (16 + 3) mod 17 = 19 mod 17 = 2

a, Chaining

|  |  |
| --- | --- |
| 0 | empty |
| 1 | empty |
| 2 | 16 |
| 3 | empty |
| 4 | 1->18->35 |
| 5 | 36 |
| 6 | 3->20 |
| 7 | empty |
| 8 | empty |
| 9 | 23 |
| 10 | empty |
| 11 | 8 |
| 12 | empty |
| 13 | empty |
| 14 | 11 |
| 15 | empty |
| 16 | empty |

b, Linear Probing

|  |  |
| --- | --- |
| 0 | empty |
| 1 | empty |
| 2 | 16 |
| 3 | empty |
| 4 | 1 |
| 5 | 36 |
| 6 | 3 |
| 7 | 20 |
| 8 | empty |
| 9 | 23 |
| 10 | empty |
| 11 | 8 |