

Elementos a insertar:

Key	Hash	Binary
10	2	010
13	5	101
34	2	010
6	6	110
23	7	111
12	4	100
15	7	111
73	1	001
28	4	100
19	3	011
67	3	011
17	1	001
41	1	001
87	7	111
57	1	001

**Paso 1:**

Hash index:

Binary	# Bucket
0	0
1	1

Data.dat:

#	Registros	Next
0	10, 34, 6, 12	-1
1	13, 23	-1

## Paso 2:

Hash index:

Binary	# Bucket
00	0
10	2
1	1

Data.dat:

#	Registros	Next
0	12	-1
1	13, 23	-1
2	10, 34, 6	-1

## Paso 3:

Hash index:

Binary	# Bucket
00	0
10	2
01	1

Data.dat:

#	Registros	Next
0	12	-1
1	13, 23, 15, 73	-1
2	10, 34, 6	-1

**Paso 4:**

Hash index:

Binary	# Bucket
00	0
10	2
01	1
11	3

Data.dat:

#	Registros	Next
0	12	-1
1	13, 73	-1
2	10, 34, 6	-1
3	23, 15	-1

**Paso 5:**

Hash index:

Binary	# Bucket
00	0
10	2
01	1
11	3

Data.dat:

#	Registros	Next
0	12, 28	-1
1	13, 73	-1
2	10, 34, 6	-1
3	23, 15, 19, 67	-1

**Paso 6:**

Hash index:

Binary	# Bucket
00	0
10	2
01	1
011	3
111	4

Data.dat:

#	Registros	Next
0	12, 28	-1
1	13, 73	-1
2	10, 34, 6	-1
3	19, 67	-1
4	23, 15	-1

**Paso 7:**

Hash index:

Binary	# Bucket
00	0
10	2
01	1
011	3
111	4

Data.dat:

#	Registros	Next
0	12, 28	-1
1	13, 73, 17, 41	-1
2	10, 34, 6	-1
3	19, 67	-1
4	23, 15	-1

**Paso 8:**

Hash index:

Binary	# Bucket
00	0
10	2
001	1
101	5
011	3
111	4

Data.dat:

#	Registros	Next
0	12, 28	-1
1	73, 17, 41	-1
2	10, 34, 6	-1
3	19, 67	-1
4	23, 15	-1
5	13	-1

**Paso 9:**

Hash index:

Binary	# Bucket
00	0
10	2
001	1
101	5
011	3
111	4

Data.dat:

#	Registros	Next
0	12, 28	-1
1	73, 17, 41, 57	-1
2	10, 34, 6	-1
3	19, 67	-1
4	23, 15, 87	-1
5	13	-1

**Paso 10:**

Hash index:

Binary	# Bucket
00	0
10	2
001	1
101	5
011	3
111	4

Data.dat:

#	Registros	Next
0	12, 28	-1
1	73, 17, 41	6
2	10, 34, 6	-1
3	19, 67	-1
4	23, 15, 87	-1
5	13	-1
6	57	-1