Lista 10 - AED 2-

1- {5,28,19,15,20,33,12,17,103, h(K)=K mod 9.

merção:

$$h(5) = 5 \mod 9 = 5$$

 $h(28) = 28 \mod 9 = 1$
 $h(19) = 19 \mod 9 = 1$
 $h(15) = 15 \mod 9 = 6$
 $h(20) = 20 \mod 9 = 2$
 $h(33) = 33 \mod 9 = 6$
 $h(12) = 12 \mod 9 = 3$
 $h(17) = 17 \mod 9 = 8$
 $h(10) = 10 \mod 9 = 1$

2- Siki= Lm (KA mod 1)], A=(V5-1)/2 = 0,618033.

Loulização de 61,62,63,64235:

$$h(61) = [1000(61 \cdot A \mod 1)] = [1000 \cdot 0,7000 \cdot 13] = 700$$
 $h(62) = [1000(62 \cdot A \mod 1)] = [1000 \cdot 0,318046] = 318$
 $h(63) = [1000(63 \cdot A \mod 1)] = [1000 \cdot 0,036070] = 936$
 $h(64) = [1000(64 \cdot A \mod 1)] = [1000 \cdot 0,554112] = 554$
 $h(35) = [1000(35 \cdot A \mod 1)] = [1000 \cdot 0,631155] = 631$

3- £10,22,31, 4,15,28,17,88,593, m=11e h(K)=K mod m.

0 - 22		0-22
1-		1
2-		2
3 -		3
4-4)15	\rightarrow	4-4
5 - 4		5-15
6 -		6
7 -		7
8 -		8
9-31		9-31
10 - 10		10-10

$$0-22$$
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$$0-22$$
 $1-88$
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 $2-3-4-4$
 $5-15$
 $6-28$
 $7-17$
 $8-31$
 $10-10$
 $10-40$

Vetor final: 0 1 2 3 4 5 6 7 8 9 10
22 88 4 15 28 17 59 31 10

b) Sandagem quedrática.

merção de 10,22,31,4 e 15:

$$0-22$$

1-
2-
3-
4- 6 lolino 15

 $4-4$
 $5-6$
 $6-7-6$
 $8-15$
 $9-31$
 $10-10$

morção 28 e 17:

LP folicle

0-22

1-
2-
$$\Rightarrow h(17,6) = (6+1+3) \mod 11$$

2-
3-17

4-4

5-
6-28

 $h(17,10) = (6+2+12) \mod 11$
 $\Rightarrow -15$

9-31

 $h(17,0) = (6+3+27) \mod 11$

9-31

10-10

= 36 mod 11 = 3

Insurção 88: 40 bolide

0-22
1-
$$h(88, 0) = (0 + 1 + 3) \mod 11$$

2-88
3-17
4-4
 $h(88, 4) = (0 + 2 + 12) \mod 11$
5-
6-28
7-
 $h(88, 3) = (0 + 3 + 27) \mod 11$
8-15
9-31
 $h(88, 3) = (0 + 4 + 108) \mod 11$
 $h(88, 3) = (0 + 4 + 108) \mod 11$
 $h(88, 3) = (0 + 4 + 108) \mod 11$

9-31

Insurção 88: 40 lotide.

9-31

$$0-22$$
 $1 h_{2}(88)=1+8 \Rightarrow h(88,1)=0+9 \mod 11$
 $2 3-17$
 $4-4$
 $5-15$
 $6-28$
 $7 9-31$
 $10-10$
 $1 \mod 10$
 $1 \mod$

9-31

Neton final: 012345678910 22 59174 152888 3110.

0-22

3-17

4-4

5-15

6-28 7-88

9-31

10-10

8 -

1-