3.1 1. 51,8,12,9,11,2,14,5,10,43 Step 1: Set temp to First eleman. Temp = 1 Step 2: Compare Clenery it to temp. If greater set element to temp. Step 3. Repeu. 43 Once the next elvery procedure unique (n, list) is grever or early place the number before it. int 1=0 while (ic n) s To render en, plus at es Int j= i+1. print (list Ci) & white (jeN and list (j) == list (i)) (o jtt i=j Linear Search: Goes though everything and breaky after 8 BITAN Sera! 5, 9, 8, 6, break

> for Citem: b) s if Ca. not contas (item) return fals

23. procede corto (a,b)

10-box too.

Susan inte with robustile heroines

(6,001), n2. (ngo) ent na (10gn). In, (10gn) therefore $f(x) \leq (\zeta(h(x)) = \zeta(h(x))$ C. C((n +3)!) (x) - (cg(x)) 2 (p) 2 (h(x)) (01)# > b. Olat lagn (x2+13/(x+1) = 0(x) g(x) < C2 (h(x)) Sinfe f(x) < (,(g(x)) b. n= 3 for K=1 an (== 1 (100+1) A X 10 a.0(n3) a. 123

5

(GN).

	the line search 15 granded in flate long 32 = 5,	poner = poner 2=2 poner = 2+2-12	and additions	5. [2]
1. 0(1) 3. 0(n²) 4.0(log, h)	the lina search is actually slower the lina search is granded in first beginning, then beause takes los	poner = Poner 2=2 poner = 1 -2 = 1	Khins S Card	501 ~ . } f. 2
0(n ¹)	the line search is actually the line search is granded in first beginning, then beause to	-13. 5top 1: Done = Done 2=2	retur 15. There arke a 2 multiplems	b. 10°
1.000	hay Sent Ina Semil Deginning	1: ONLy one = 100	retur 15. There onte 7	
(Just)		1) st	The The	1, 10 4.5 L. 10 4.5
1, 3, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,	1 1 7	8 - 13 an	Q	