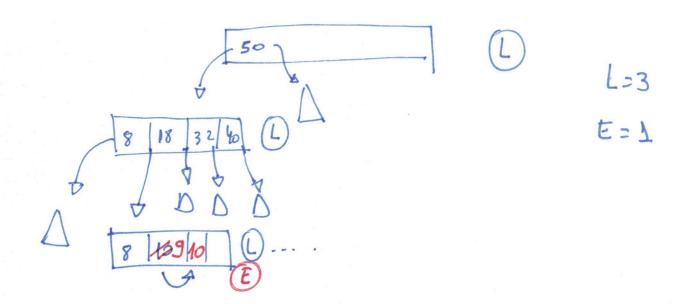
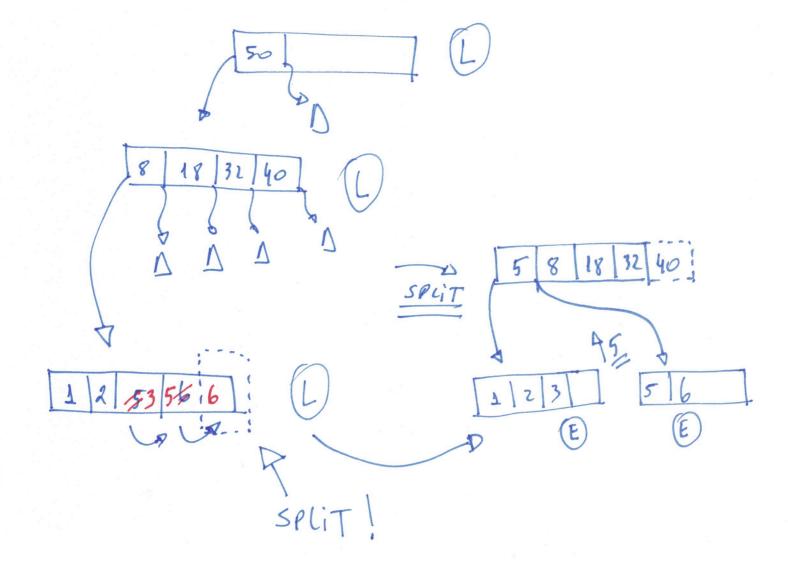
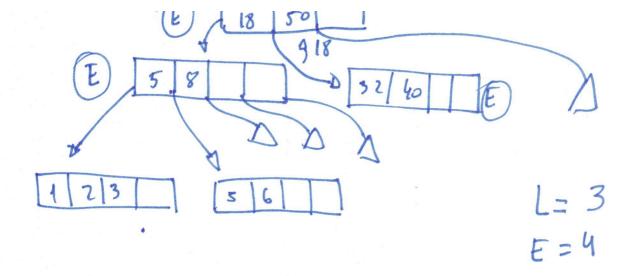
QUESTÃO 1:

(a) Inserindo 9.



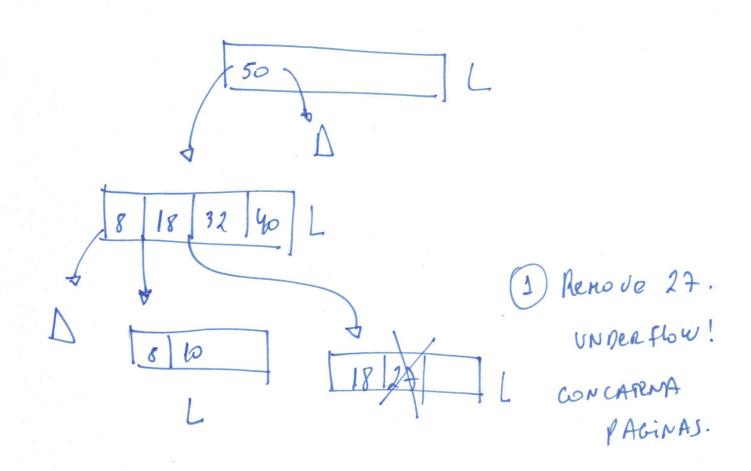
(b) Inserinoo 3

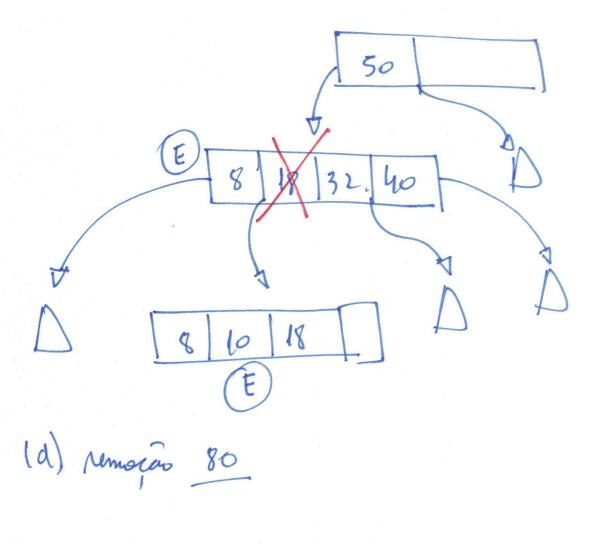


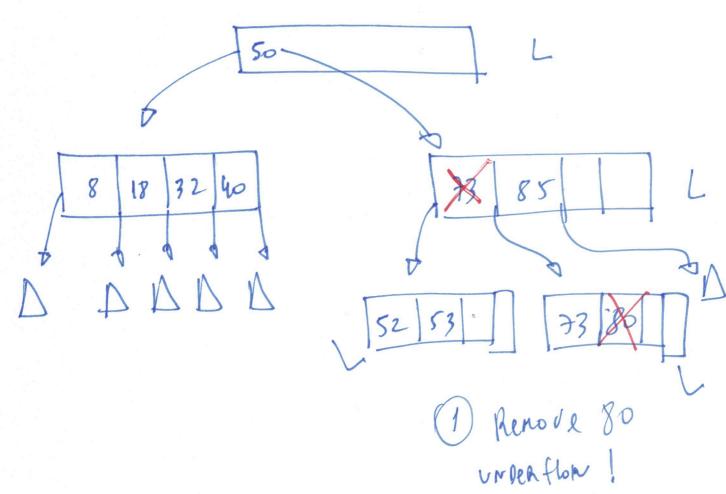


Obs: NA GOTTEGÃO NÃO FUI RIGOROSO NO Nº de Leinmas ou Escritas.

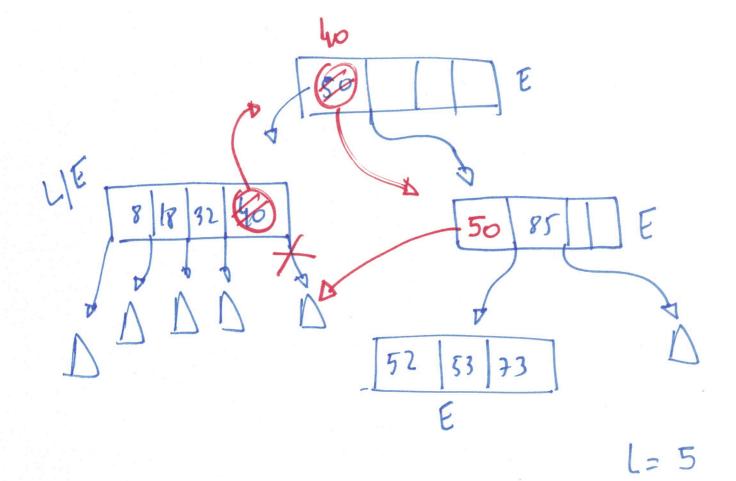
(c) R emo çÃo 20 27







CONCATENA.



W2 B+ N chaves N+1 PONTRIPOS.

10N + 8(N+1) < 8192

18N < 8192-8

N 5 8184

NZ 454.

(a) grav mínimo ~ 454 ~ 227

agni dei serto P/3 on 4//

b) - Nº Paginas Mas

E=4

To Chas: (APROX)

 $\frac{10^9}{2 \times 10^2} = \frac{10^7}{2}$

~ 5 x 10° PagiNAS.

log 5 x 106

log 5 x 106 = 3

log 200

Ques Tão 3

```
under Name = "data / rep-hash. dat"
under for MAT = "8511"
inder Struct = STRUCT. STRUCT ("index for MAT")
fi = open (mder Name, "cb")
to = open ("saida.dat", "wb")
linha: fi. read (mdex Struct, size)
while (lan (linha));
    n= under Street, impack (linha)
    if ( rto] [0] !=b'\p'): - TesTA
                                    posição VAZIA.
         fo, write (motore street linha)
    linha = fi. read (mder Struct, size)
```

fi. close ()
fo. close ()

b) No hash, As chaves estra espachabas, PORTAND A ORDEM MAD Pore ser dererminada.

(c) RECRIAR A TAbela, reindexando 7010 o Alquivo.

Q4			1
	POS	Chare	Kosk
	0	44	
	1		
	2	35	
	3	47	
	4	37	
	5	16	,
	6	72	477
	7		
	8		
	9	20	
	10	21	
	17	83	
4.540	12		
5	13		

PROCESSO AR QUE

M se limite A

NK

UNA VNICA PÁGINA.

Comece dividindo As Chaves em M patinas, onde M é a quartilable de chaves. Peque A Menor Chave de cada 6 Cha e Agrupe - As em Blocos de Tamanho N, TOTALIZANDO M blocos (*1)