

Σχεδιασμός Βάσεων Δεδομένων Διδάσκων: Ιωάννης Κωτίδης

Εαρινό εξάμηνο 2020-2021

Πρώτη Σειρά Ασκήσεων

Ανάθεση: 04-04-2021

Παράδοση: 13-04-2021 Ώρα (23:55)

ΑΡΙΣΤΕΙΔΗΣ ΧΡΟΝΟΠΟΥΛΟΣ 3160194

ΑΣΚΗΣΗ 1)

```
ASKHEH 1
a) Exoupe Xupnikonna Diskou - Enigaveies.
    Tpoxids/enip. · Topels/Tpoxid · Bytes/Topea
   = 16.65.516.256.4096-1.009511628.1028
  XWPN-71KO1NTG /XVOUS = 256.4096 = 1048576 B.
  Xuphtikonnia Enigoveras
b) Kilispoi = 1 xuo; = 65.536
c) Mism > 60 2200 > 30 = 4.17 msecs
            0.5
  MENIETH -> 60 7200 => 60 = 8.33 msexs
d) transer pate - Track size / time = 1048576/2.33
   = 125.879,472 B/sec
```

ΑΣΚΗΣΗ 2)

ASKHIH 2 2010/0 ERXPAYON = 128 B. ENPERÀPIO = 10+6=16 Exoups: DENSE > 1024 = 8 ARA D blocks EXEL DR Kai 1024 = 64 = APA N blocks 8m to index SPARSE -> N blocks EXQ, n 8xish Kai N . 1 = N blocks Jin 7. Index apod 500 dense sparse narpreis 1 and 715 8 EROPARDS NON Consope.

ΑΣΚΗΣΗ 3)

A SKHEH 3

- s) taxuate to klais 41. EEKINGE and IN Ala
- 2) Yaxuafe to Kdqidi 40>13. Nafe Seçta onos kai quavafe oro 43,740,77, onote naprope to Siapopel on and 70 31 onos da quaso fe oro entro onos societas 3,7241 kai katalasofe oro on Sir napra, 15261 fe 7162 40.
- 3). tàxus que 6deidid < 30. +360 Apr nipe Sizid.

 Ano earl enzelatione and 77 Stablopa 23-31

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 And essi sessiulle kan barappapoule 7a odisid te in

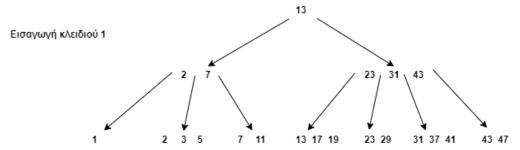
 Elipa tixo, un epolite tanoio 7230

 Apri exoluc ti in 591pa 2, 3,5,7,11,13,17,19,23,

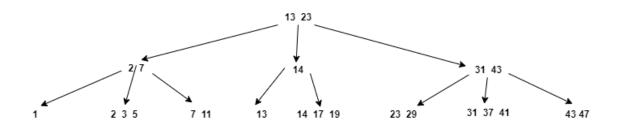
 20 kan esa otaparate.
- 4) Páxuaps Klessad 0-20 Sidsinga I 20,357
 20713 ondie nape Sesid. Eagi swariable 10 23
 ondie nape apisispa onas surariable 13,12,10.

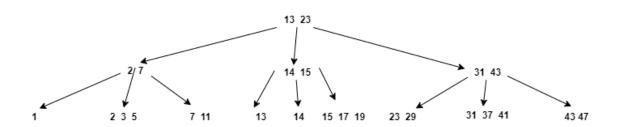
 Der pas kárst karéra ondite nape Sesid sio
 23,29 ka, anó erai nadi sesid oro 3, kai erai
 orafatable apos 37,35 Apa exarpe 23,2931.

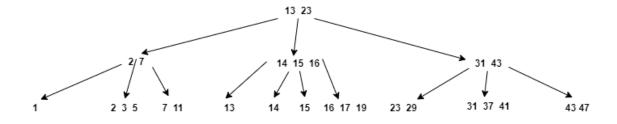
ΑΣΚΗΣΗ 3



Διαδοχικές εισαγωγές κλειδιών 14,15,16





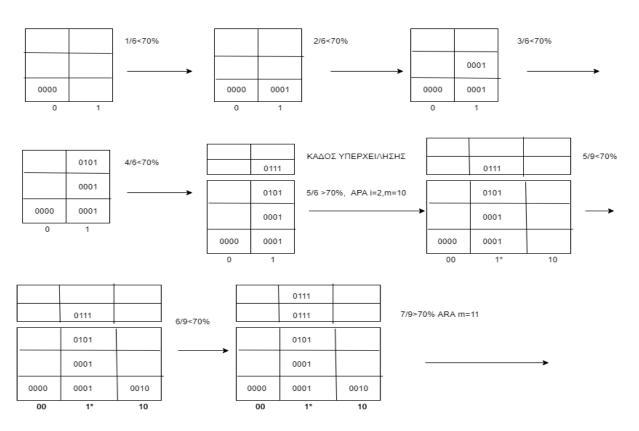


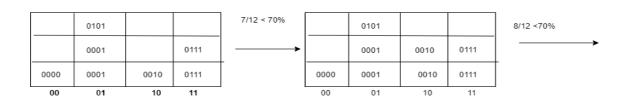
ΑΣΚΗΣΗ 4)

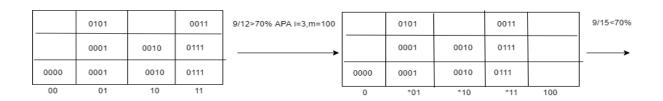
AEKHEH 4)
EXOYME -> n.12+(n-1).8 = 2048 =>
=> 12n +8n -8 < 2048
20n 32040
n = 102
200
APA -> Poot: nole=1, key=101, child=102
1 - 10 1 1 0 - 2 (02 - 12) 0 12
Levely -> node=102, 102:101, child=102:102
Levelz -> node = 102.102, key = 102.102.103, Child = 102.102.102.
APA EXOYME 102.10 2.101 = 1050 804.

ΑΣΚΗΣΗ 5)

ΑΣΚΗΣΗ 5







	0101		0011	
	0001	0010	0111	
0000	0001	0010	0111	0100
0	*01	*10	*11	100

ΑΣΚΗΣΗ 6,7)

AEKHEH 6
a) Exq. 2'° ETTPapes, 1024
6) Exs. 210.4 B. 4006
c) 1024.2400 - 6144
400
ASKHIH 7/
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(2) 1200 pollog us 3N-18 bud 203 13 day Color
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