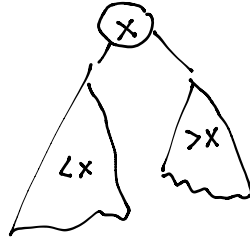
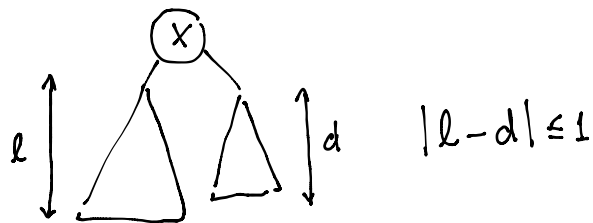


< Pivotiranje AVL dreves

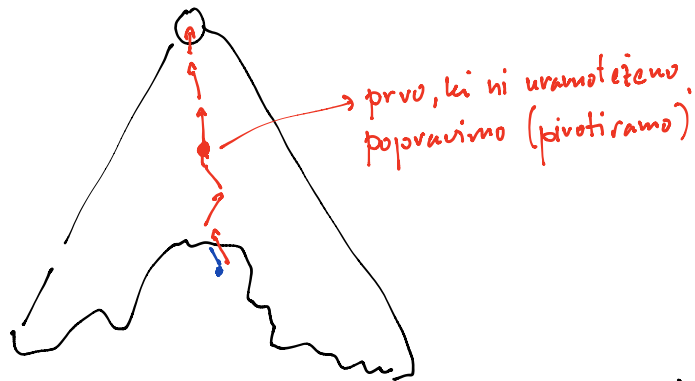
- iskalno drevo



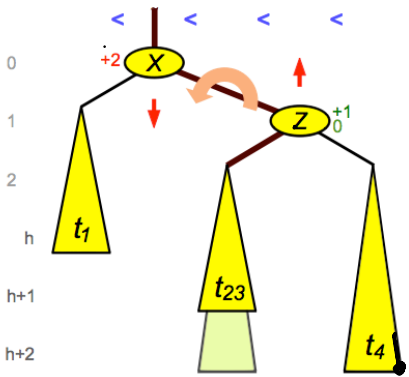
- uravnoteženo drevo
(AVL drevo)



- operacije: najdi, vstavi, zbrisi $O(\text{globina})$

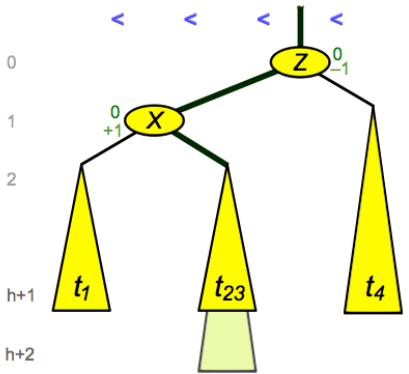


- Pivotiranje : levo, desno (za vsako dve varianti)

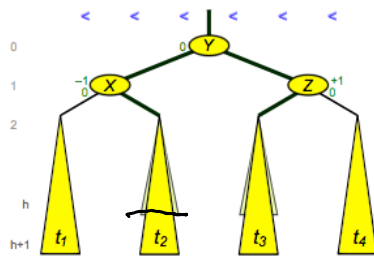
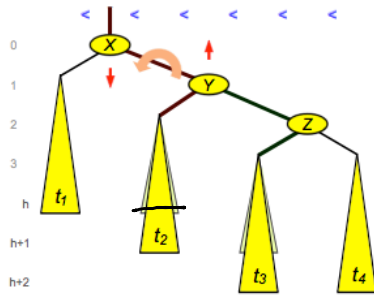
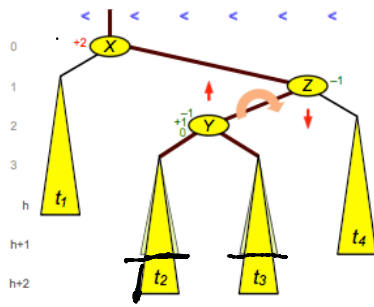


levo pivotiranje (enojno)

$O(1)$



Format.printf "next body.@." ;



Barnes - flut

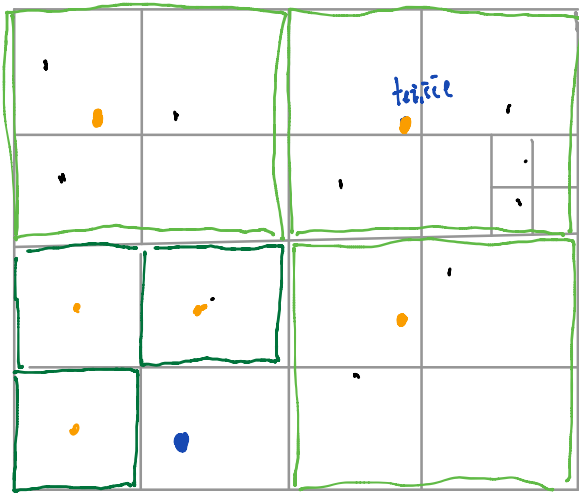
gravitacija $O(n^2)$ sil

T_1

$\bullet T_n$

T_2

\dots



Regularni izrazi

Vzorci v besedilu:

- datum : številka številka? • številka ... -
- telefonske :

Regularni izrazi so vzorci, ki opisujejo nize znakov:

Gradniki:

- Znak a a
- $[R^*]$ or R^* * 0 ali več ponovitev R -ja
 ↑
 regularni izraz

Primer:

a^*

" "
 a
 aa
 aaa
 $aaaa...$

• R^+ 1 ali več ponovitev

a^+ a
 aa
 aaa
 \dots

• $R_1 | R_2$ R_1 ali R_2

$[R_1 R_2]$ $a|b$ a
 b
 $ab|cab$

• $R_1 R_2$ ----- R_1 , hi mn stedi R_2

Primeri:

$(ab)^*$ ----- prazno
 ab
 $abab$
 $ababab\dots$

$a^* b^*$ ----- $a \dots a$ $b \dots b$
 ≥ 0 ≥ 0

$(ab)^* a^? | (ba)^* b^?$ $ababab$
 bab
 $babababa$

$R^?$ 0 ali 1
 ponovitev R

Python:

R^+	≥ 1 ponovitev R
R^*	≥ 0 ponovitev R
R_1R_2	R_1 ki mu sledi R_2
$R_1 R_2$	R_1 ali R_2
$R?$	0 ali 1 ponovitev
$[abc c]$...	$a b 0 1 c$
$[a-zA-Z]$	$a b c \dots z A B C \dots Z$

Ostali posebni znaki:

$\backslash \dots$

$\backslash b[a-z]^+ \backslash b$

beseda

"whitespace"

$\backslash s$

$\backslash w$

znak, ki nastopa v besedi
(črka, pismena, hieroglif)