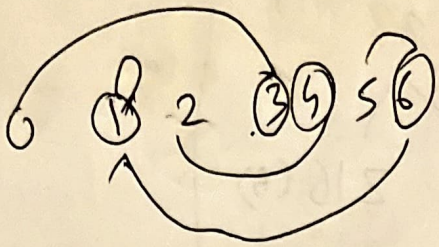
Q23



4

Kruskal

3 sets

(1) → 1, 5, 6

(3) → 0, 3

(4) → 2, 4

---

27 September

PL 10:50 Umrigar

midterm 16 oct!!

#9 of PL scm

strings → sequence of symbols

regex → by AST

alt re

(* re) closure

(re ...) is a regex sequence

re match re atoms return #t if all matches else #f

alterations test, backtracking tests, combination test

Hints: alteration, closure

auxiliary f", more than 1 regex

or will return #f

Prolog contd.

Append log continued

↳ x → relation ✓

sn

* Naive Reverse

in Scheme → append the 1st element of the list to the new reverse list at the end

- Same logic in prolog - but gives problem when works

* Accessing Arithmatic Hardware in Prolog

* Arithmatic Relational operators

plus (X, Y, Z) succ(X, Z) :- Returns next integer

* List length

* prolog semantics — Declarative semantic

rule, implication, conjunction P :-

* Operational semantics it's like a DFS, search of G head and then body.

2:20 DHH Patrick

Q12, 13, min & max heap

↑ small at top & vice versa

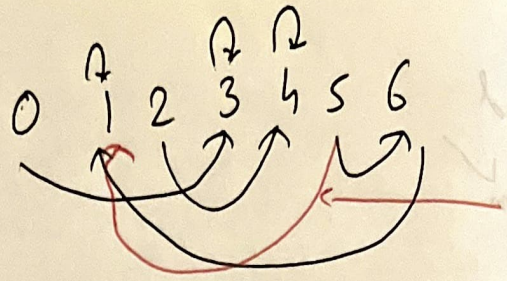
15, all algos, 19, Decrease key in Binary heap!

20, 21, 26

Binary heap algo

~~25, 24, 125~~

Q



1 - 1, 5, 6

4 - 2, 4

3 - 0, 3

45 -> Big O(n) ← min heap, n log(n) to make
44
42