LLD - broplem

Solving

Debt simplification

Debt simplification

Optimal

Practical

(A A D)

Chess
- Design

## - Command design battern

Discussion

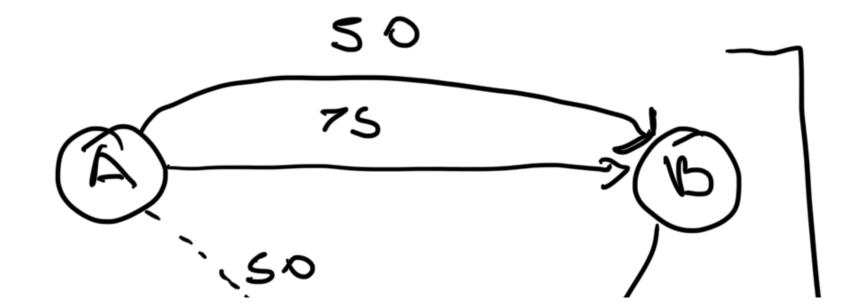
- 2+du00 -
- Next stips

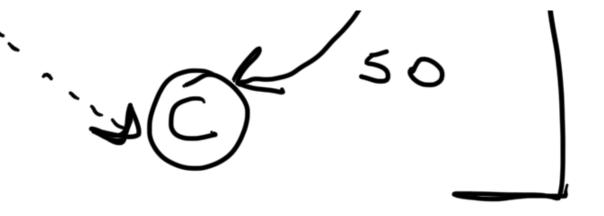
No. of transactions

An algorithm that can

settle all debts

-> minimises the no of tron sections





[NP-complete]

P -> Polynomial

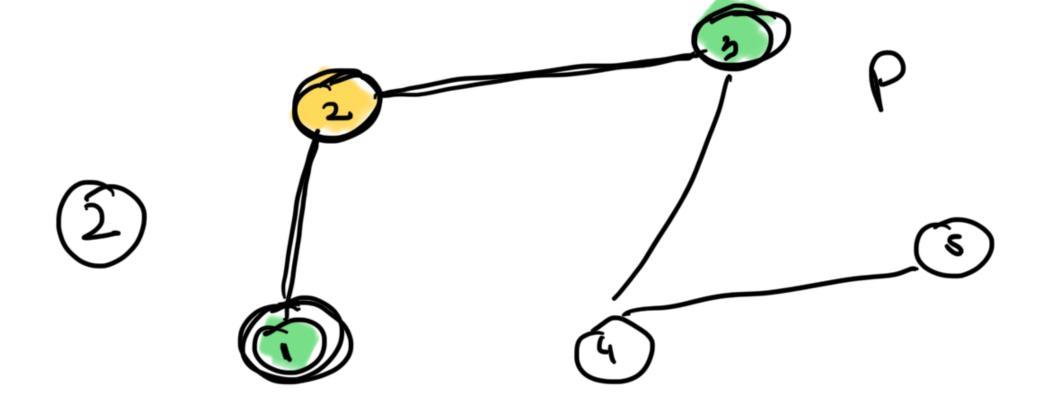
NP -> verifiable in polynomial

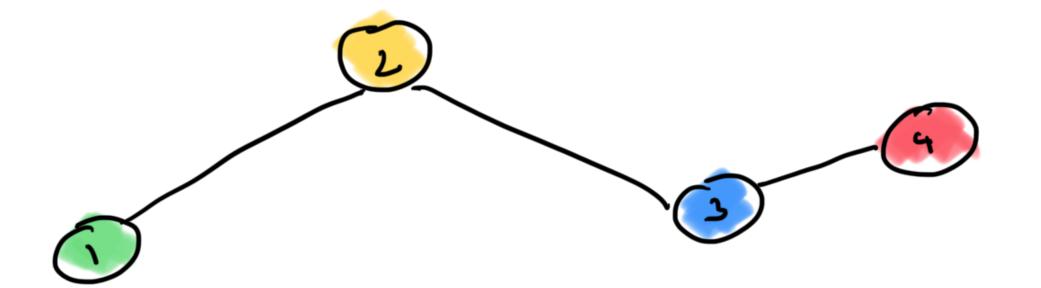
VII W ~ V a ~ V

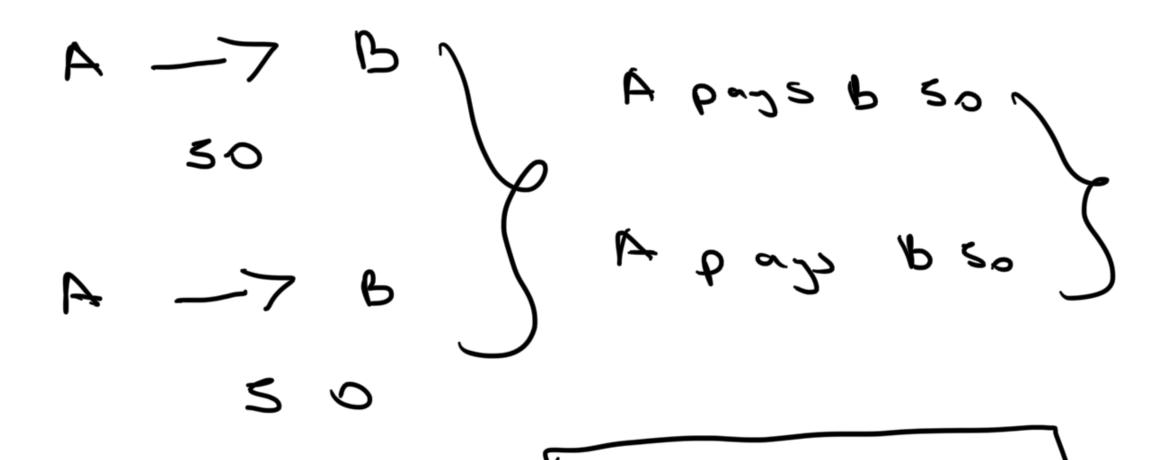
NP-complete

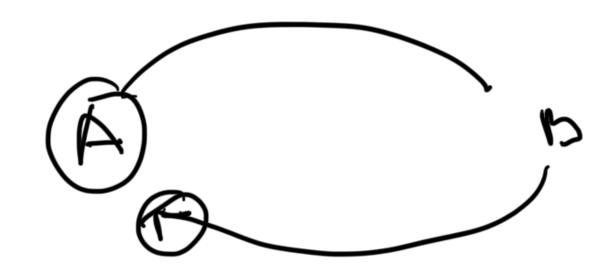
brop,er 2

Doge coloring





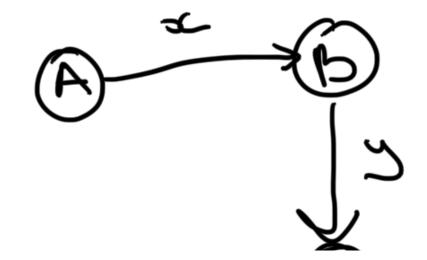


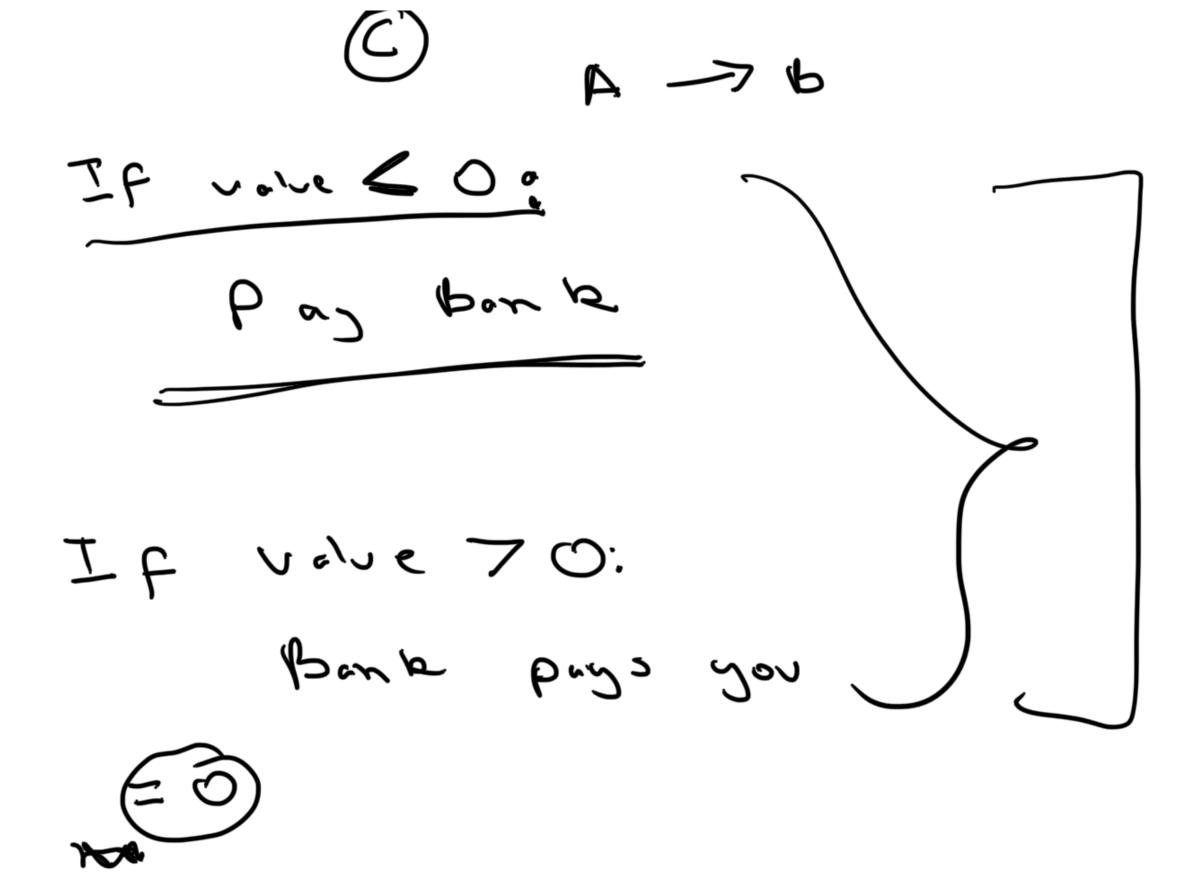


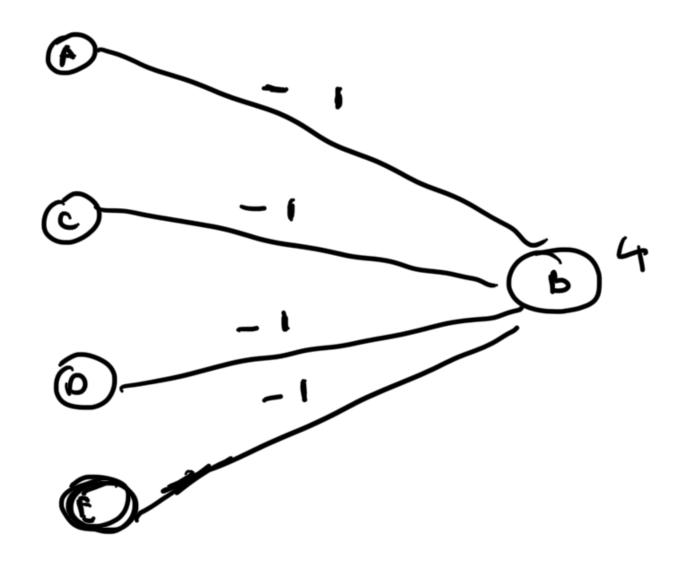
bal ar ce

A - b - so A - c - so

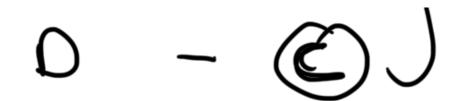
$$\begin{cases} \frac{1}{2} \frac{$$

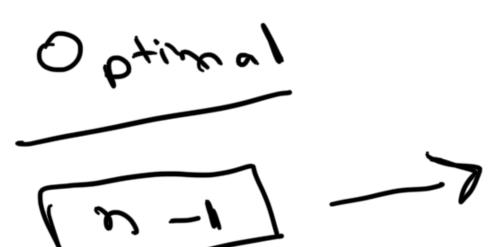


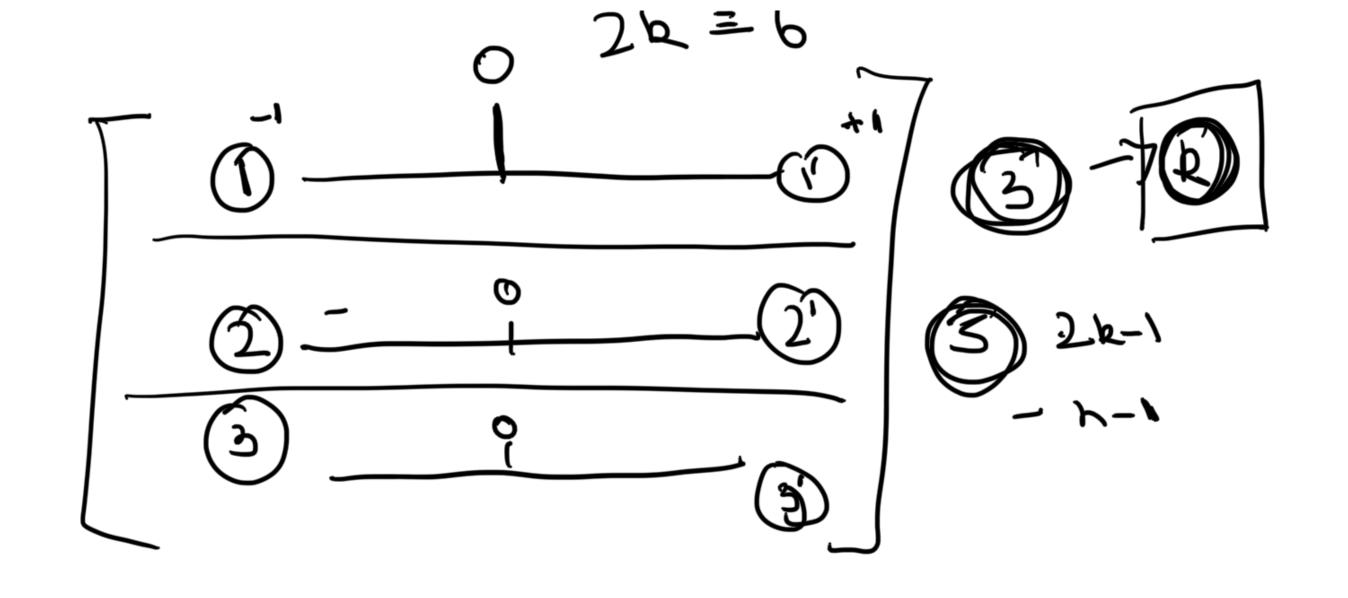


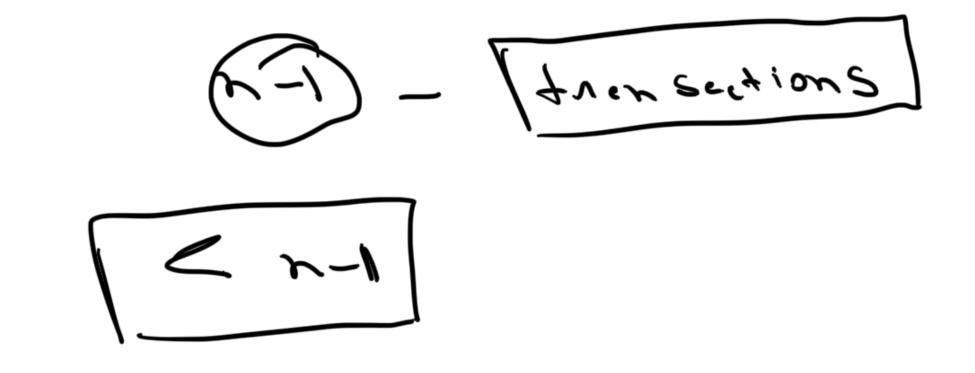












Subgrophs => O

1 3 2 3 5 L4 35

Subset Sum broplew NA - con plate



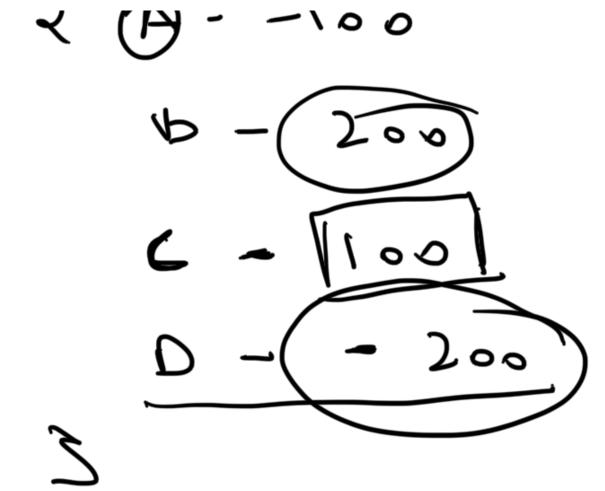
•

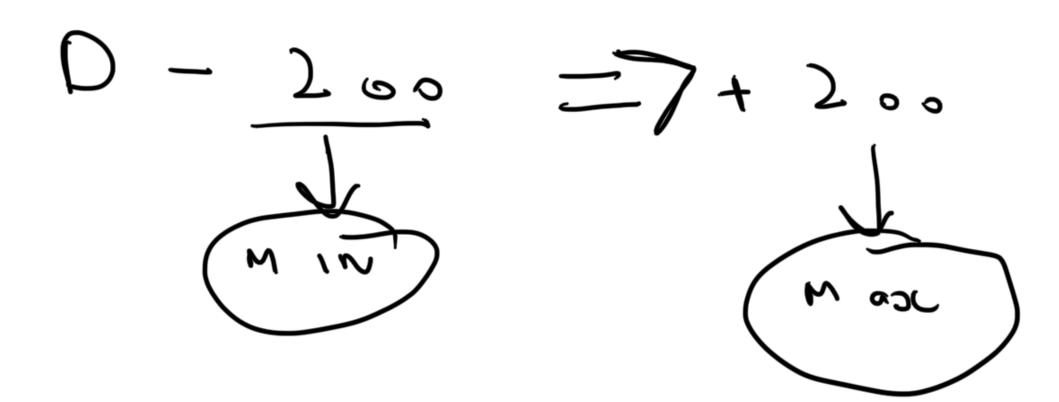
A - B - 200

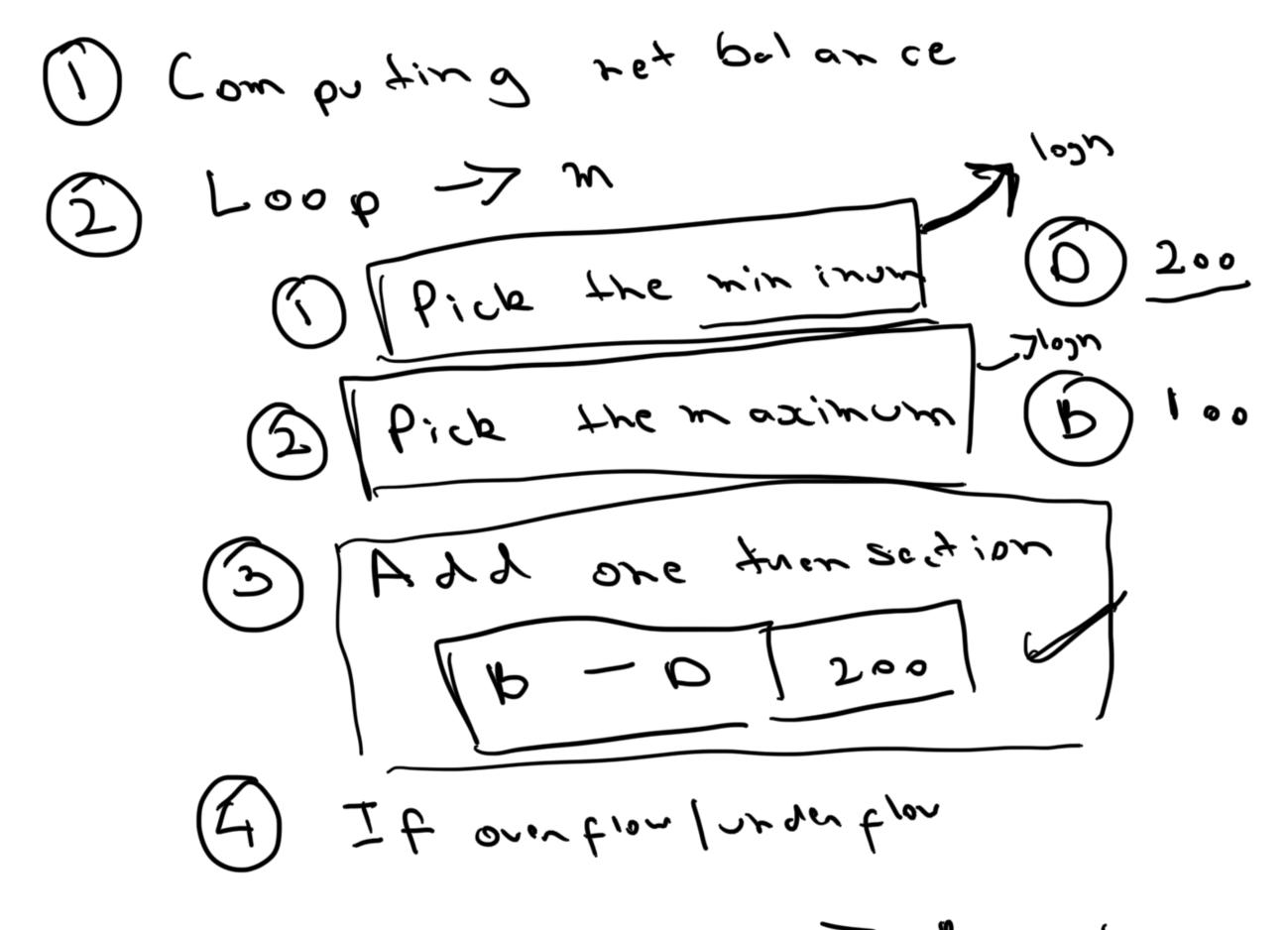
b - C - 300

B - D - 1 00

E - 1500

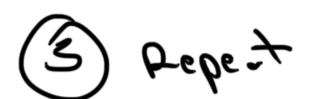






oration -> p = 100

conden flow -> B + So



Min herp

Java

Derivation of the office of the original of th

[m 109n]

TENdpoint - Settle up

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POST group | & group In) | Settle

Grosp Controller

Crosp Service

FRATECH

Command

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Read from connord like

(1) 3: 4 52 at us

(2)

Status Controller, 52ctus

(Toberisation

com mand none. push onigin nemote" 11 [i] enodot < Commany 1 -> tope ens[5- 2] main () {

Tip ( command == "status") {

c.11 St. ip ( == push)

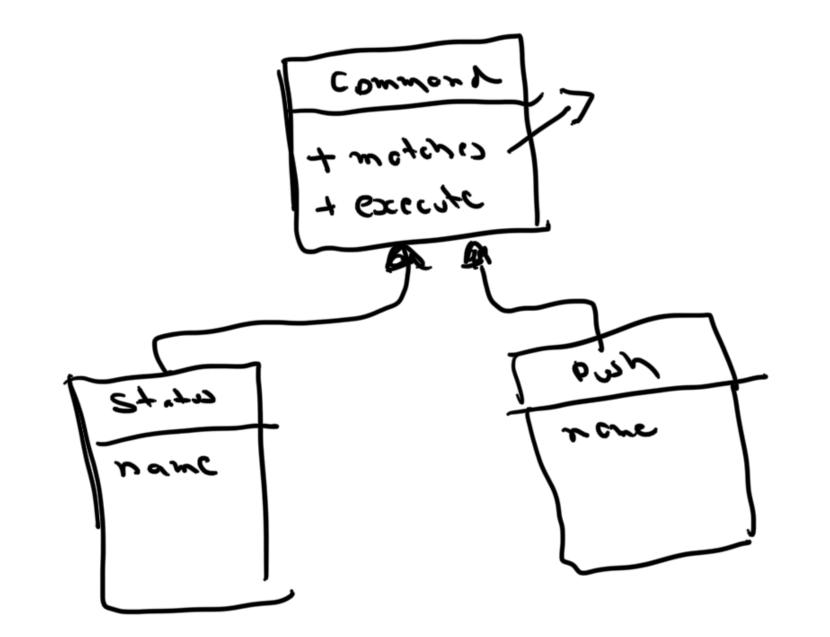
3 else ip ( == push)

C.11 Push Apr

6,24 or Corty)

commany introloce

indentace	Common & &
Pogloon	matches ( String none)
V 01 2	execute ( String[] topear)
3	e Common de >
List 	input: Stexus
	-> if and commony
	con hondle " status"



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System

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To re gistering

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