Integer KR us Fractional Kp. 6 Perbodagn: $\{\chi_1, \chi_2, \dots, \chi_N\}$; η ; #ikn E {0,1} Xi=0 atau Xi=1 objeknyr tak damlai diam bil. Greedy Int. [profit] [weight] [densitar.

otwt= 15 · density 3,2,1,9. Mengyruthean preserting Ob Kh o for i = 1 to n. (ob). 19 If sum & wi < k dinrut). indrde objecti Musaluh ogfmisasi 1) (Intedent solvision J Pelahski kondisi $0 \leq x_i \leq 1$ Masalah upt -> lebih mudah. Max- Epixi Cijwixisk. 6) Pemrograman linear/Cinier. total wt = K

total wt = K

tim boleh mengambil rebagian

Fract. to by density

member salur opt.

Psendocode Fractional Fr. · Presoring (mengurnt kan objek). Fract KP (objek vg ternity: C) for 1=1 to h. LXi = 0. E diampil. i = 1 totwt = 0 int frace T while (i < n). & int-Frac = T-0(n). < K. (O() if total + Wi o(n) | Xi. E 2 else (totwt + (wi)) K. P. t- forwar Projet = profil+ xip.

that mon floopitma Coding / Penghodean = Theory Binary Gde (bitso113) 0110101...) fransmis, OIIOIOIIIO) tehs. sender receiver decoding. enceding. E-pesan tale berubah / minimumk - pesan sampainza cepat ervon minimumkan

Encoding Fixed-length.

Variable-length.

Oco Confalcon dio all

Variable-length.

Variable-length.

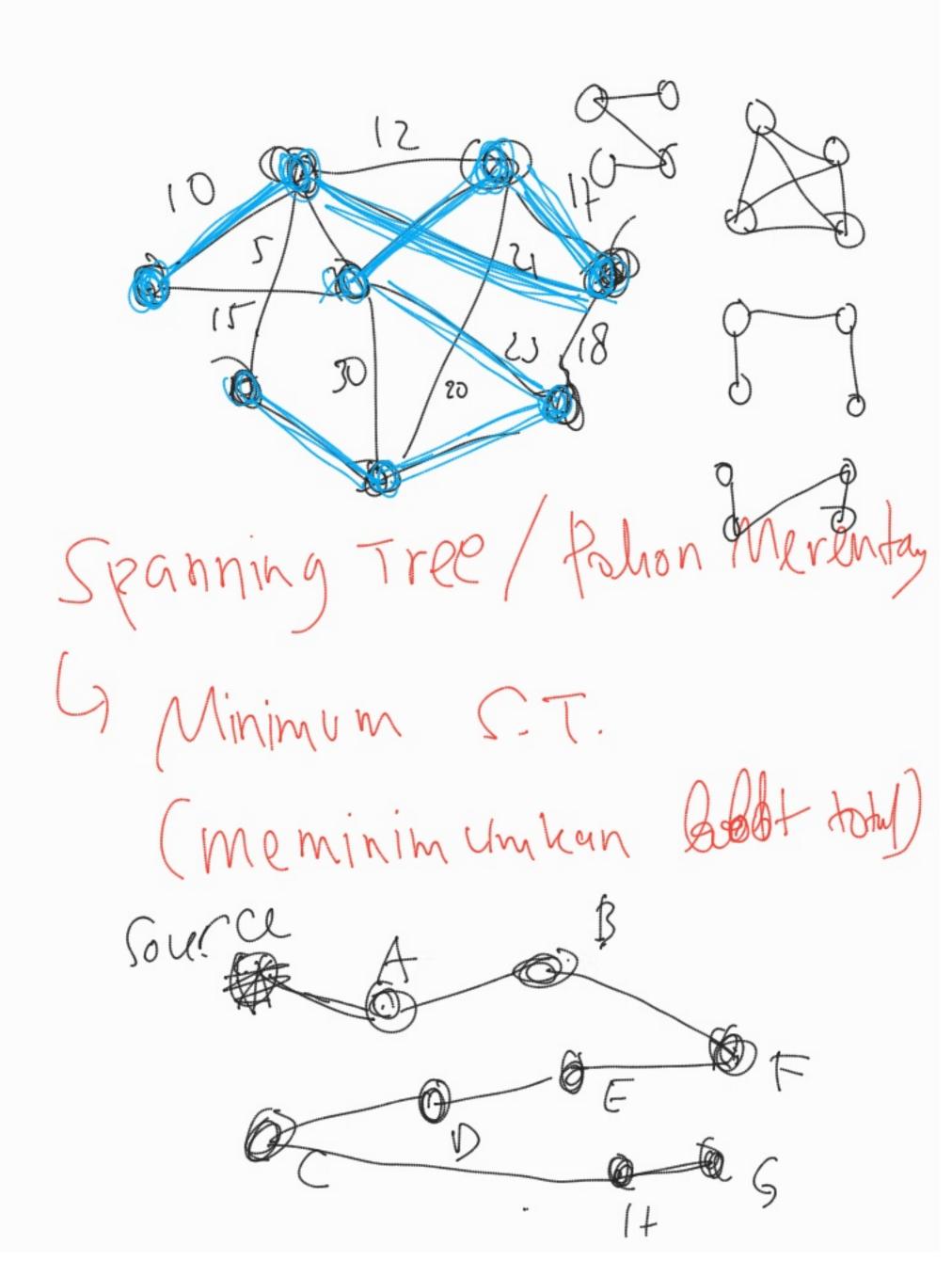
Variable-length.

Variable-length.

abii baii frehvensinga heer

Pengantar Grat Spanning Tree. 1) Minimum Parh. 2) 5 hortest Gray : title + siri (vertex/ (edge). berarah (directed). berarah sisi : hubungal (undirected) relative arab

Min. Spanning Tree. 1000 Sitat Grat pohon (Tree). Cycle Sithuit Fer hubung undirected



Semula graf terhubung -) = MST.

Bugainang finding MM

in a graph?

- Greedy algo. the 2

- Kruskal algo. xlp 3

- Prim algo. tlp 4.

Shortest Zath Problem clire ched. andirected-Shortest tater. Single-source SPP 3 pen canan Jarak Min. dan hih y he titih le pd graf G (Fhih u, v). rounce S. problem: Tentuhan chortest path dan she reliar title e di 6

lintagan weighted/ ber bobot 10 10 30 from A to : 10+20=30 - EB-BC: 15+30+20 20+10=30 i dst.

Given: G dan sources.

Goal: MSP from S to

-y v \in V(G)

v \neq s.

Djikstra Algo. \to \text{Flp q,}