Weight k 1p) os pz (Vo, v, , va) is the sum (c) = (Vi-1, Vi) De sine shortest-path weight 614, v)
Snow 4 to 2 by 5 nom (4 to 25 hun (4 Cp): 4 255 is there

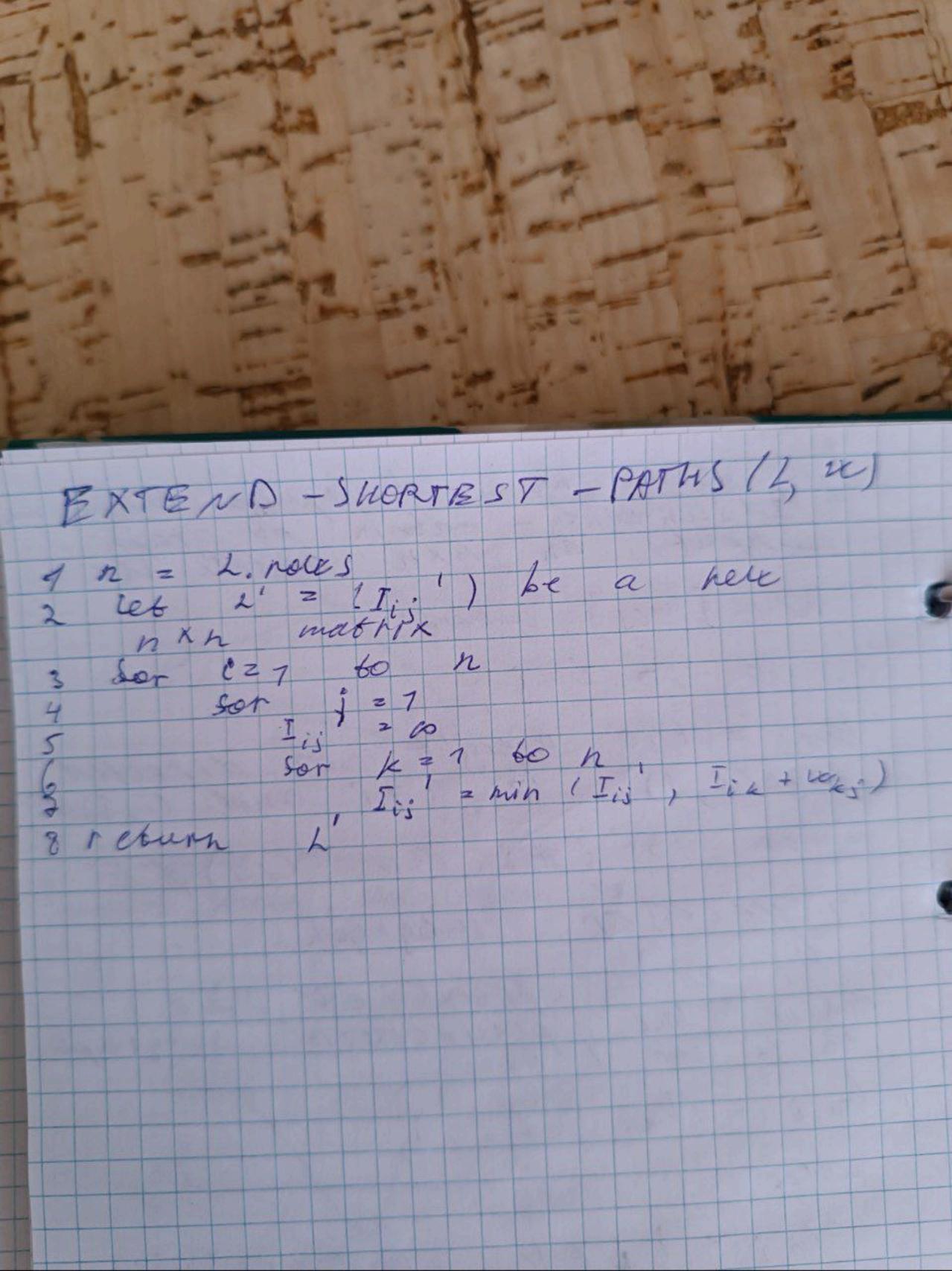
5 (4, 5) = 2 as 4 bo 5 sherein heropamus wero symu Maxougenuel Kramaw-> Bellman - bond Dijkstras retaxes anch retax euch edge edge IVI-1 ornes exactly once Tolernyree nomes patomant a surpriegentet because Instia lization Inibialize - single - source (6,5) I sor each vertex 5 66.1 Relaxution Relax 14 (01,3)

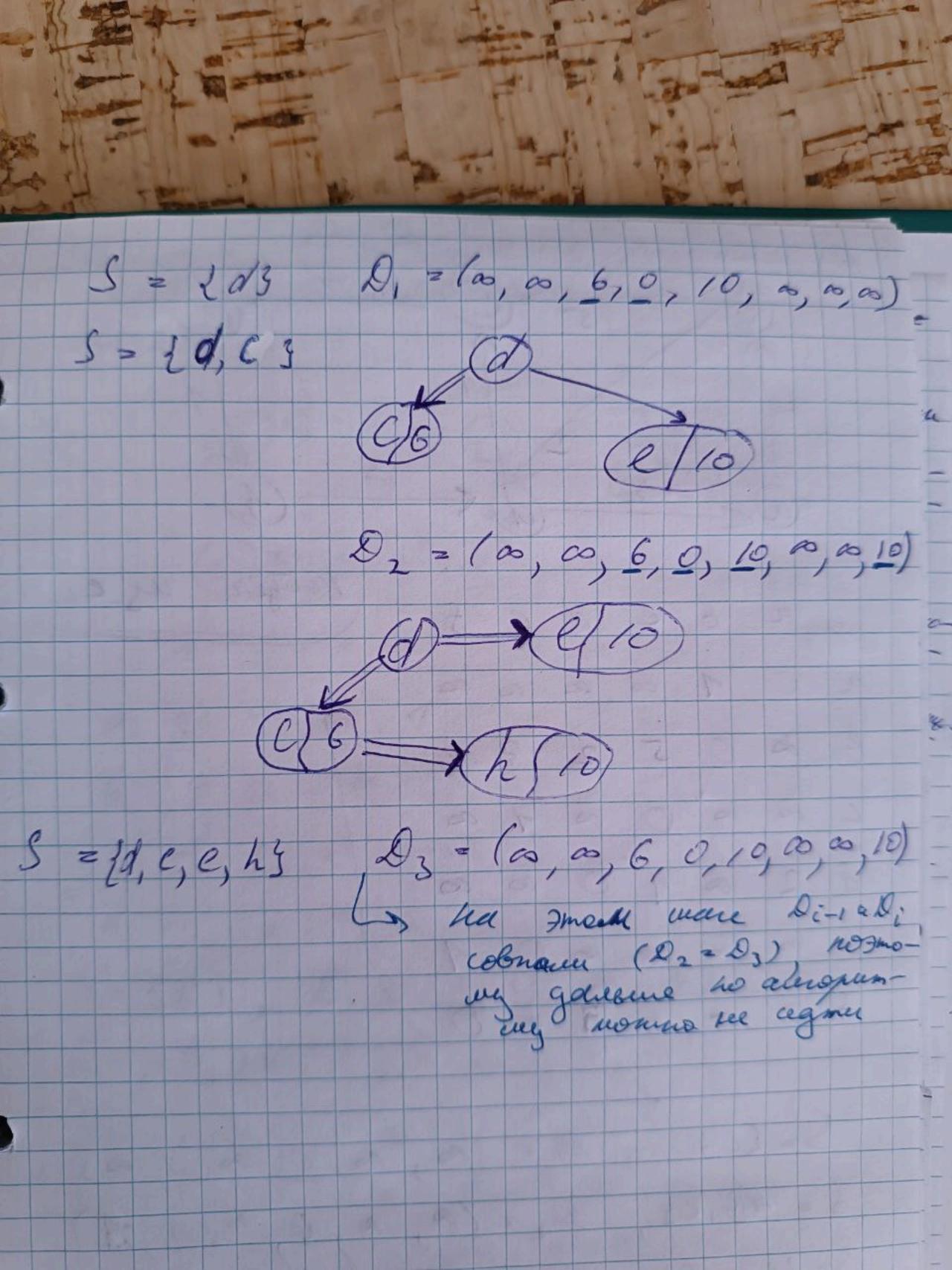
DIJKSTRA/G, w, s, Bellman - tord(Gus) 1 INITIALTZE-SING-INITIALIZE - SING LE SOURCE(6,1) LE - SOURCE (B, S) 2 5 = 0, 2 500 (=1 60 16.V/-1 4 v) & G. E for each edge 14, 3 & = 6.4 RELAXIU, 4 while Qx6; 5 or éach edge/4 UZEXTRACT-M 5 = 5 v { u } V) EG. E sor each ver-6 15 5d > 4.dt tex U & G. Adysul + (x (4, 5) 7 ne burn FALSE RELAX(4, v, W) 8 refush TRUE Sprenareasure Esenoulailem-TONGKO AAR PEGEP HEOTPHLY AT BRUNOTO BEGA 0 (h2) hour bo ken-lo Mar-le hêren Elpiel. un 66 93ATEMENO My amene? dyggm / Kopplanno Care Примен Дего имуа Беньмена — Разда

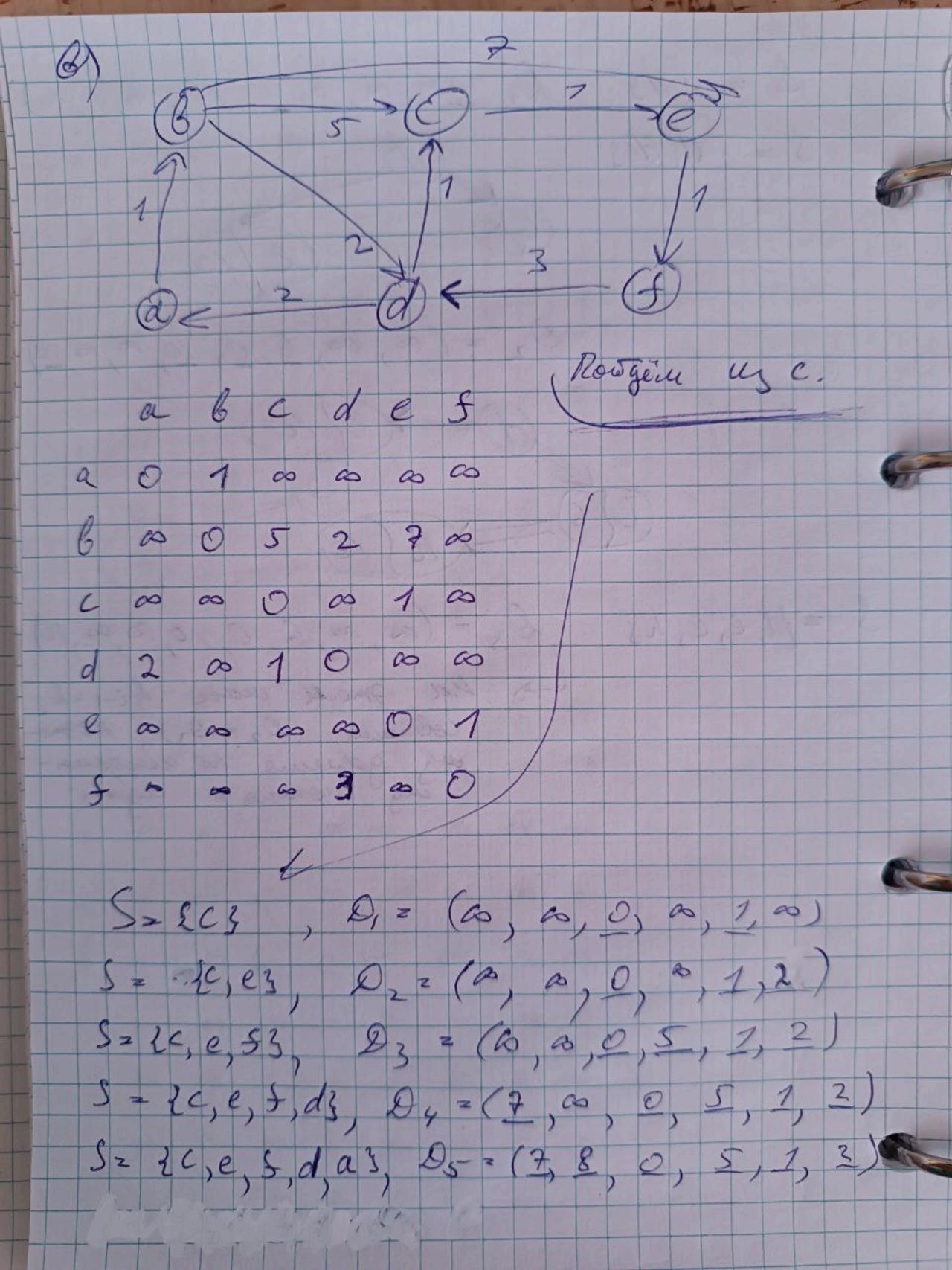
Rouse Kramrawuero ryma Auropumus -> Deesteenges -> Porga - Elmunana Aurquemu Dec nyma W: E→R puber a decempany 1) Bunully I lever many goegicul Gena G C d e 9/060007 auranua ala alnoyalgenden-6 00 05-48 00 -2 0 00 00 aoro mymu 00 0 7 0 60 e 00 00 -3 9 0 Hannuneng & верини Modyro 2) begin Di+1 [s] 3 * min PEDIESIS U U {Dick3+ Wx; 3) Параменьно остов Comporary Урания путем. По сути, эксо вариаany housea Biero maros (marc.): (n-1)

D2 = (11, -5, -3, 8, 0 5 18) W/R 76-3 [C) 73 d (Greenennel mengy DI u Dz mongrommen = 5 garaem euse ogen war 2 = (11, -5, -3, -3, 9) 11a2 (516) L'équeune marin anopument Nouregund Can.k mane. A-1=5-1=9)

Krammaroune aymu. Mampuya, aucunocmu I hout: an Axn meether UK W= {4033, ce here 0 ,5 2 =5; wis = the weight of directed edge(i, i) it i ti and (i, i) EE; as is it is and (1, i) & = Predecessor subgraph For each vertex i et ue e desine the predecessor subgraph es 6 sor 8 as En, i 2 (Un, i , En, c), where Vn, i = li E Vz: Ris 7 NIL3 U {i}







Acro reme hadomaen Onylly a melesusex Beeax Runeen: Type honsemean primite Dassumpto Jul magos Checka-Jul magos Che a 00 00 2 Alropumu ew ue ueuxogen (nokazaebaen 4. hymi gunn 2)

5=1=3, 0, = 100, 00, 00, 5,00, 0, 2, 3); 5=85,93, 02=(00,10,8,5,6,0,2,6) S= {5, 5, d3, 03 = (11, 10, 8, 5, 6, 0, 2, 6); 3. hymb (eg \$ 6 2 pobler Regins B & zerey 5: as a ans +6 = 17 Sagara ho kojy, kanjing a bocke Depulp- 9 Bouk - B, Koje - C, kanyema 8 9-BOK 193)= 94 (1BO (9K)) {BK 1903 (20) [PBK103 [POX 183] PBO1K3 EKIPB 03 EO19BKS IBI POK3 [POIBK3 POLOBO BOK. 9BOKS \$1

Moerce kpamawawww kgmens -> Believan - Torg 0 3 8 00 -4 00 000 17 64000 200-5000 benomeenne ja n weerob A. B = C Cis = min{2 aou + 6 ks / k= 7... h 3 v ais 3 D = LE D(1) - D(0) W= W 8 2 8 " W = 2 " W 2 I degression, naparalestono comprenento gerebbe aparamont ener ryvers Мошно Стабинущовать системи D(n-1) = D(m) + m > n-1 W" = W2k+1 = (W2k) - (W2) - 2+1 2k 4 h < 2 k17 (n3 (ay (n)) 0 3800 -4 0 3 8 % - 4 000017 00 0 00 17 w= zww = 6 4 0000 00 40000 20500 200-5000 000060 60 00 60 no 6 yage den yumol greens 0382-4 30-417 6 40511 2-1-50-2 8 00 1 6 0 382-4/0382-41 CoBhann Some Kyromkux nymens
HET)

-> Proving - Germen Primings

Deor - W

Significant dis ministrations, din + dis 3

Dies dis 2/min 2 dis, din + dis 3 253 = min Edis, Commence da dsi dis s kouemanny (ocun/gla mara) Устопре что мазывать шаган) 03800-91 D(1) 2/60 0 A T7 090000 25500 (1) A demance

25500 60) Underga

Comment renous na main mane 25500 eleen un ylegens 6 many uno eun Compoka Karuceanne c hem sucoso capalimenolóno no oua ampun quesco 0389-41 200 600017 1003024 6405m 30-417 25-90-2 0(2) 00000000

i=5 une wis in anare the takes Rij 2 121111 NNN22 NYNN NNN22 242 N3NNN 414N1 NNN5N 10 = co 0 + d12 2 +3=5 2 R42 = 12/2 NNNZZ N3NZN 414N1 NNN5N 2

Duduen & y maga compagementence beca Even Str uz we cheno, 44 Str Jangemann Dewenger. Узив гризумать, нак избивиться Meer gotebun Benning 5: G = < UU Es3>, EU 215, U) (5 + U), W6 USU = 0 145 = 00 V #5 10

13 00 00 Данее запускает апгарити Дебистры las mosous begunners To 2 123 D2 2 (2000) T, = 22,43 D = 1200010) Theepober a ramenomondes yruges Eun bee Benneus remnois meneny mo Bee Cenmeny knowe glegn, rem now