Afdefine max-Size-Sto-out 10000 chan + helpen (chan +sto_in; in+ +id = in) chan decode Storing (chan +5) ib(1s) aturn NULL chan sto_out [Marsize Sto_out] Cheon +Sto-new: in+ idx -out idx =0' while (slida] 1= 10) While (CS [102] >= 'a' 1883 [102] == '21) 11 (S[10x]= 1 A' 6 (3[10x] <= Z)) St800U+[W7_OU+++]=S[1Jx ++]. Sto new = helpes (s, & dz); Stocpy (Asto out out Lidx _out], sto now); 10x out += Stolen (Sto-new); face (sto new) Elle 11, (Sta is 1 54) S+8-00+[10x-00+++]-0: chur > str net = (cheir >) milloc (10x-out) char & Stanen int ind_out = 0 number = 0, new number =0 White (Sta-in [+ 1 doe_ in] 1 - in] 5 16 (csto-in [Idzin] >= a Bd sto in [102 in] <= a Bd sto in

else 16 (std-in[*102-1/2] >=0 fol std in 120 S+7 au+ [102-00+]=0 Seturn Strout; nou-run=0, 16 (1 montos) \$ white [stain (mids an) >= 0 fd Sta-in (1dx-in) <= 199 new-rum = rousem+ 10+ (St& in[["1027-10]", (~ (02-in) ++) Nontrag = now-nem; Storian = holpes (Storin, 102-p2) Stripy (d. str. out [10 x out] strings, Loce (Stor new) elle 16 (stain[+112/n] == 7)c (4 stough), stout, ide of. 17x-07+. Sto-out [10x - out] =0. Adust Strong 1

pain+6 ("DFS Pain . ") des (n. wst, 05); Ostlering DFS boo (i=0; i<n; i+1)

if (Sti7==0) {

blag=1;

boun; Hinclude (Stoip. A) YOU dos (int n, int cor [10]/10], int u, int s/7) } in+ V' STU1=17 print ("graph is not wonderted in"): 608 (V=0; V <n: V ++)
(cos+ [U][V] =-1 & & S[V] ==0) 065 (n, wst, v,s); Dotrus Enter the roof nodes Force The activery mothis void main cos in+ n, i, i, cost [10] [0], s[10], con=0, [10g=0] print (Epres me number & nodes in' Scanb ("10", on):

April ("Enter tro asjaceny matrix \n"):

108 (1=0; 121; 1+1)

500 (1-0; 121; 1+1)

Scanb ("10", & ws+lis(i)):

| | | | SURVA Gold (bets Prop.) |
|---|-------------------------------|---|---|
| _ | 0 | - | Source Removal |
| | 0 | | |
| - | DFS AM . 3-2-1-20 0-21-2-3 | | Hinelade (Stdio h) Hadine MAX-NODES 10 |
| | | | VOI d topologicul Soot (int n, int graph [MAY MODES] |
| | | | int indepse [MAX NODES] = \$03; int i, i, k; bod (i=0; 1<1, i++) { |
| - | | | 608 (j=0; J < n; j++18 ib 1 grapht 57[i] ==1 |
| | | | 3 |
| | | L | 608 (i=0; i 2n · i++ 58 hor (j=0; j <n 8<="" j++)="" th="" ·=""></n> |
| | | | 108 (j=0; j <n \$="" ("+0",="" (indegree="" ,="" 16="" [j]="-1;</td" b="" indegree="" j):="" j+1)="" point=""></n> |
| | | 4 | 16 (graph Li][12] == U |
| | | | janego ee [k] , |
| | | | 33 |
| - | | | |

man () 11+ GARR [MAY DOES] WAY NOVES]. Sen (11-10 0 0) Typological cooking order: 0123 Dint Is ("Enton The adjudicy matic In" Jos (1=0; i < n; 120) {

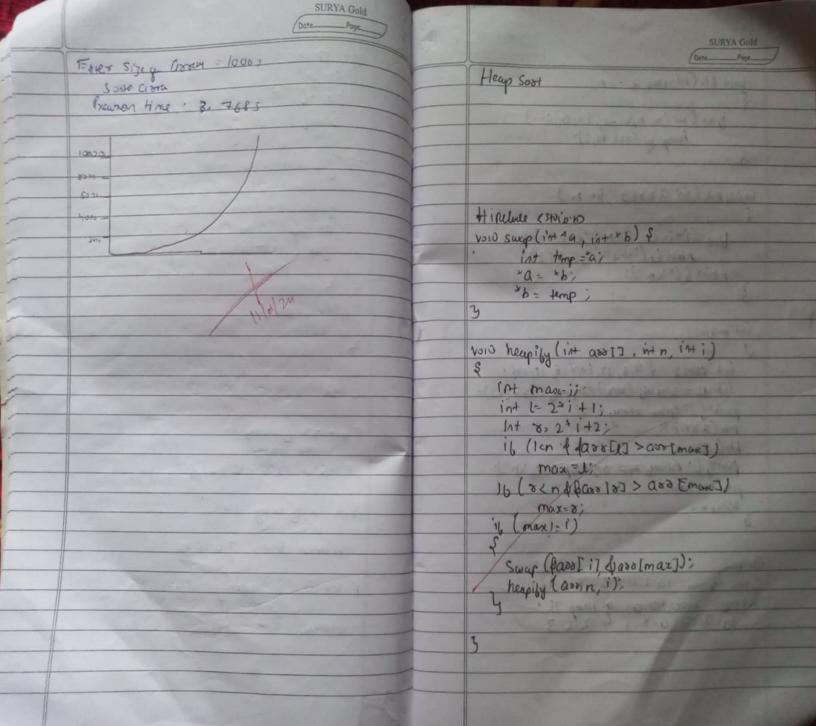
Jos (1=0; i < n; 120) {

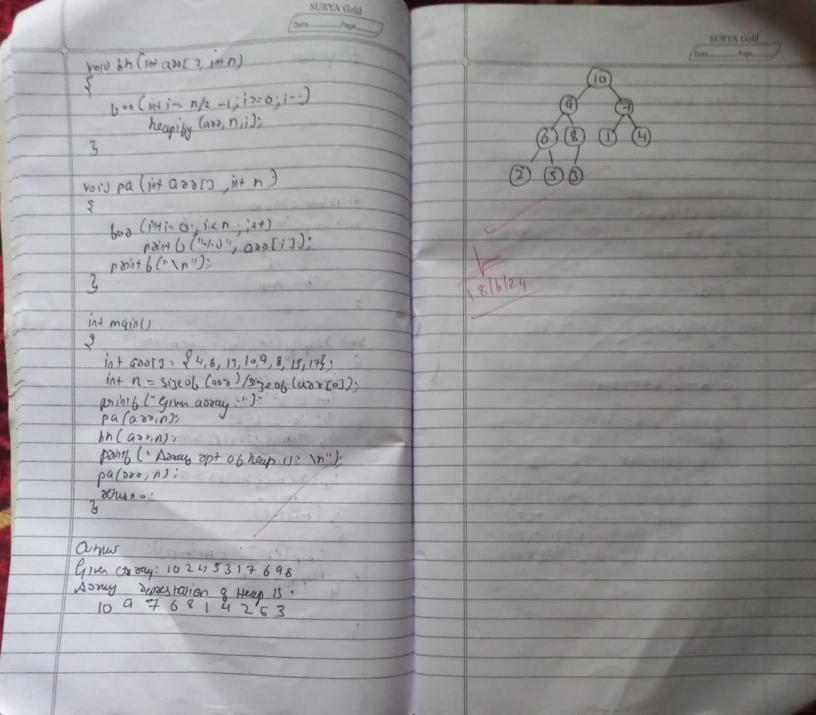
Joseph (1) 0", Agraph (1) [])) 3 topological Soot (n. yough) xtrono. Ours

void monge (int hit, intp, int cl7, inta, intal?) 1 At 1=0, 1=0, 100 Merge Sout Assay while (isp &d seas) 16 (pli) ((1)) alk++J- blittJ: # include (SHID-h) H include (Stillipp) 131d marge (174 b(1, 11) P, lac17 12 (170(7)) tord meryesoot lint ats, 111 n a(14) = C[j++]; Voil mergespot (mal 7, min) 16 (n>1) while (icp) int ([n-n/2] a[14] - b[3+1] 600 (int 1=0 ; 12 n k ; 1+1) WHILD (SKQ) 10117- ali7 (alkin) - cting 60 (intj=0; jan-06; j44) (1)] - a [n/2+j]; Int maine mory soot (CIN-NIZ). 1'ns a 147 - 21, 4,263 merge (b, n/2, c/n-n/2, a); in h = Steof (a) / 51/206 (ato) mexpessor (an) pan+ ("soored array " Low Cintiensich sites Points ("Vo", atil)

SURYA Gute part ("In") Dulice sout - Include stoions OUTW VOID SUMP (19+ " a k+ + 10) 5 SOOKS array : 1 7 26 int temps temp on "C = "b; * 10 = temp port (1A+ a 22 17 1 1 1 1 1 1 1 1 1 1 2) int p. 408 217. int 5- 0+1_ while (ixi) 005 3 White Case [] < pl 16 (izj) ? Swap (Nars [1], 9000 []): Inop(\$900[i], qual i))

SURYA Gold Sup (gar [1], par [1]) int maines DETER J int pi point 6 (Finds to sig the crany); Seenb ("1. J", en1. low quitless + [int ass (7, int 1, int)) 5 11+ xciss = (in+x) mallot (n+size a normy) 16 (100) of 608 (10+1-0; in , i++) 5 1. 5. part (asi,1,0) Cho (1) = acod (1) 101 Quelchat (arr, 1, 571). quicks 2+ (a00 0, 11-1), quilisot (as) (; St, 8) porin+ 6 ("soose array "); (int 100) (int 10) (in) 1+1) & 3 Point 6 " Y-3", antil" Not main () 5 (see (ars): Ini us [7. [5,3, 1,9,8, 2,9,73] rovon . (A+ n= signof (asa) / Siscob (asa 107) QUICIROT+(477,0/171) Parto (" & ster assey " ")" 0-201 Pox (11+1,0, ich ; 1+1) FATE SIDE 9, DOTAY: 10 partil ("1-5", GORTIV Suster overy exache 11 ne 2.1258 30 setum a Ent six g orang 100 Jones asses as Hul executor fine: 2.656 850 " SOOKU CDXM. 15 6 45 + 89 FART SIJ. 1 array: 1000 Some works (precusion + job : 3.2976



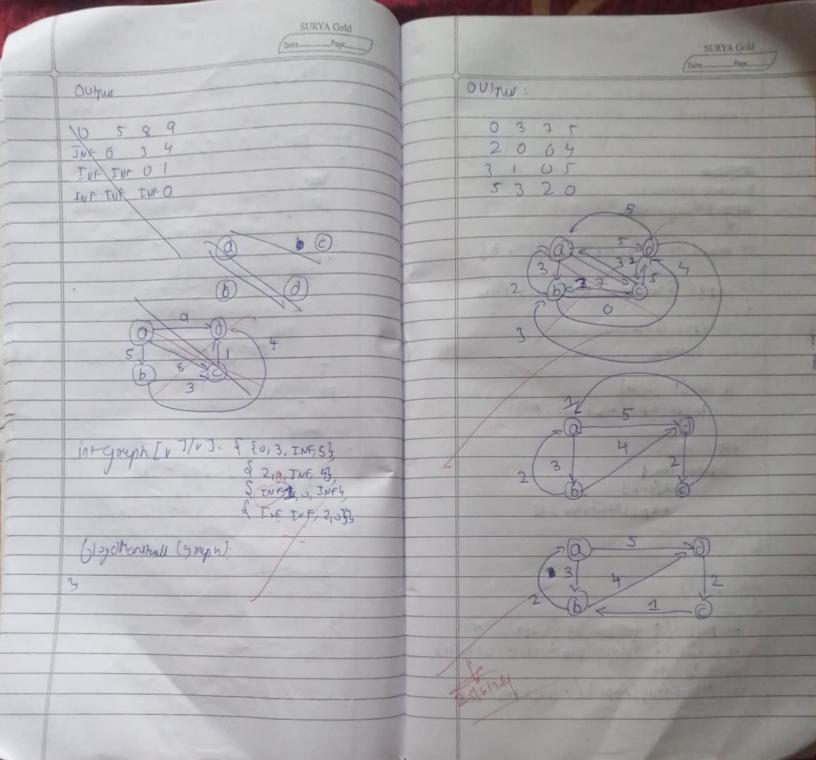


Flogo wayrall POSI duti (LA)[]HIP HI) 58d (16) 6001 # include (storions MINH (" Hollowy matrix Sro- snorker durine #define V4 between every mirg every #Ug me INF Gaggs (30/11/1=0,1 < V; 1+1) かる(1:0)にからいけり VOID POB (M+ UN+ 13[V]). 16 (011+[17]) == JUA VOID GISTOMENTALL (14+011+ [](VI) Point (0/078", ON 1.7 [1]) 600 (K=0; K < V; K+) int main() 6 = 1 (= 0; 1 (V; 1+1) 12 gaph [] - 5 to 51 54F, 103 108 (j=0;jev;j++) & INF. G. 3. INT. SUE THE LOUIS 16 (duting) Xdut [1][K] + dut[K][]

(1) (dut[1][K] 1-INF))

(1) (dut[1][K] 1-XNF))

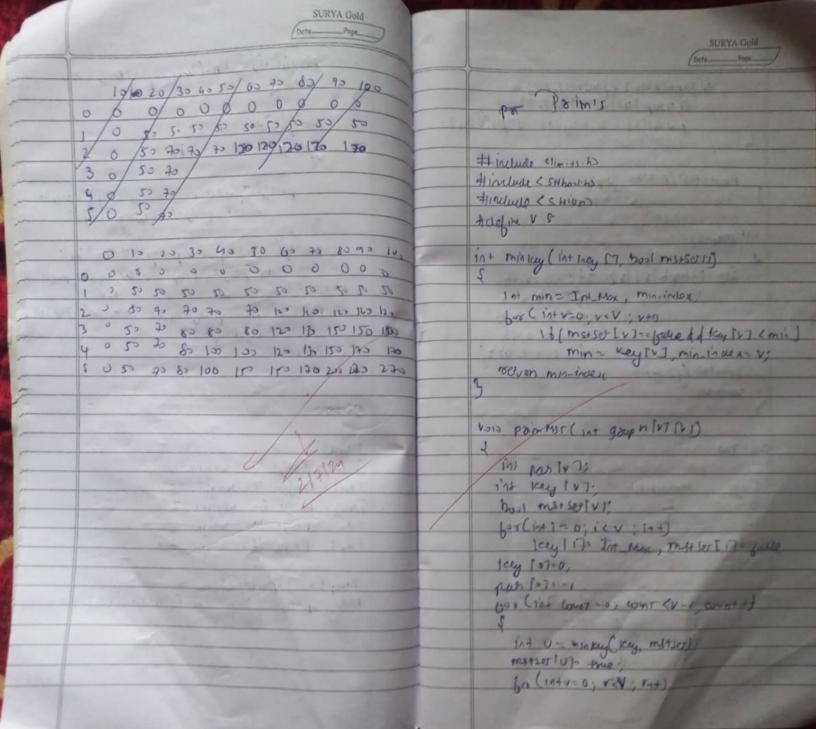
dut[n][1=011+[1][K] +011+[K][] (INF, INF INF. 034) floyd Marhall (2009 h) seturn 3

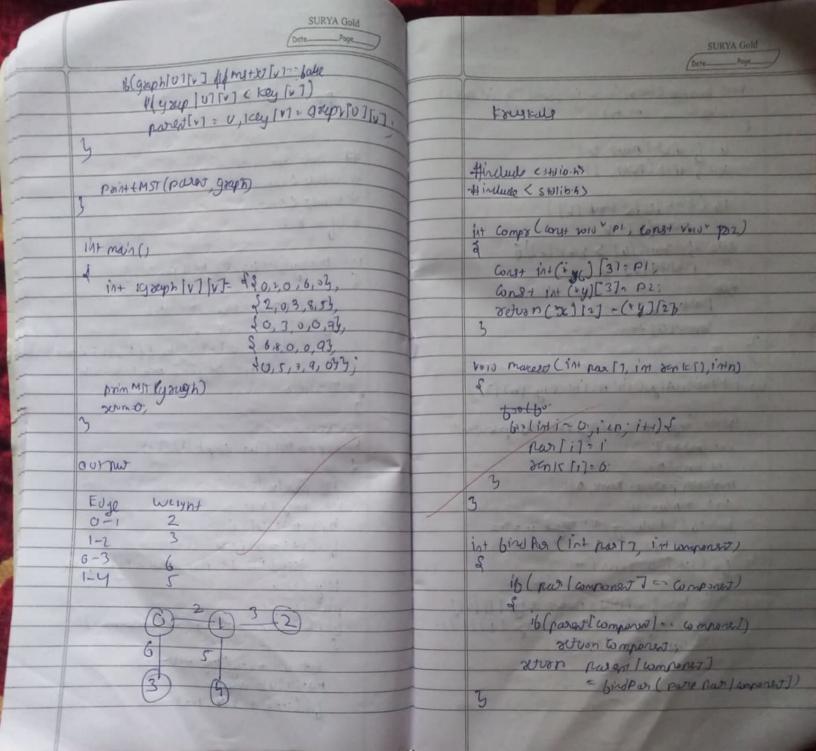


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white

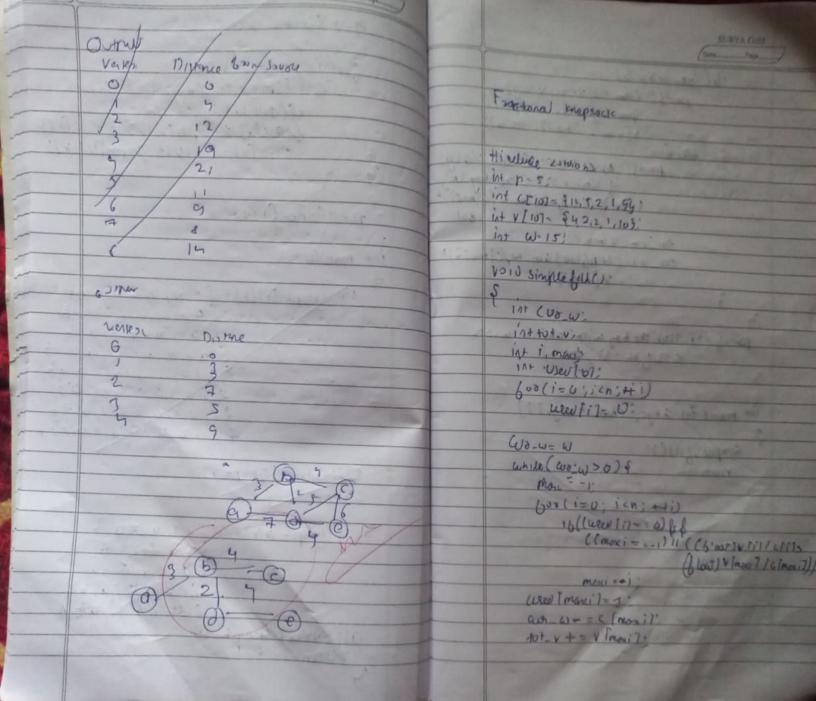
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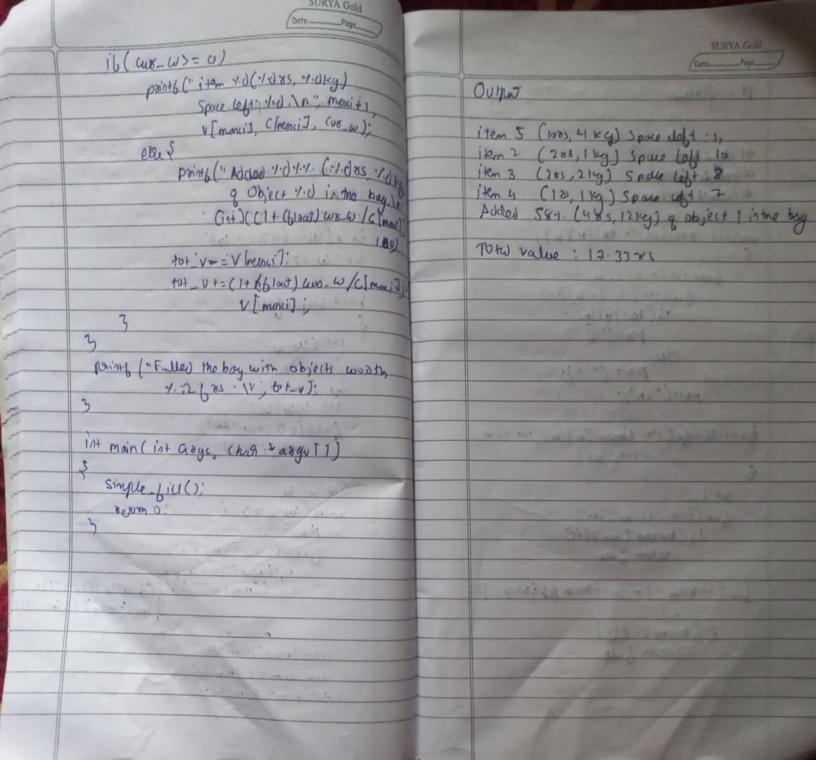




way one side in in a fire posses Fr. int makes in no sh 16 (111= 12) cinconso (v, v2, poly mak , a) V. JOHN (POW, V) minust + = we: Pan+6 (- 4.00-- 7.0 == 10 10" edg [i] [] , elge [i] [] 16 (onk 107 c mak 1 1) puratur-v ens 16/2015/07 5 89×107/8 print (" MST ": + 3" , min (wit); parental =0: ROUT 107:00 int maine 250 KEU7 44? 11- edye [5][3] = \$ 50,1,103, \$0,2,63, 30,3113, 31,3113, void Krussaul Algo (in in, i'm edg (n) ()) rouse A go (s. eage): () + (evgs, m, size (evg [+7], companyod) rogum o. Est Formant 1: I'M senicimy material (paren, menk, 1) 1n + min con=0 erist ("Following we edgel in & the 2 -- 3 = 4 MJT" 11 0 -- 3 == 5 (a (int i=0; [(a; i+) 0--1 == 10 MJT : 19 in vi= bioPares (parent, eige [17]); int v2 bioPares (parent, eige [17]); 10+ cut= eige [17][27]

Differry. Clust 1500)0 for (in v = 6 , v = V , v = 1) threauco (Imis son Hindaye (Shibool h) alder 10 12 th mon Addinios + gaph (viles > dilles) Hinclude (stoion) OIST [VI - DIM (UT+ graph [UT[V]; Hodge Va paint Solmon Coust! int minDur (Int dist 17, bon solso 17) 11+ main 6 I'm min = Int - Mex; min inder; 400 (INT VE 0 ; W(V ; V+4) 12 yaugh 1.7/17 . 50,40,0,000,003 16 (SPISE (V) - bake At dist for & min 3, 4,0,0,0,0,0,0,0,0 min-durivi, min - inter = 1) Y 0,60,7,04, 0,0,3 gover min inder S 0,0, 4, 0,4, 14,0,0,0) 20,0,0,1,6,10,0,0,03 8 6,0,0,0,0,2,0,1,0 vois pont solution (+n+ dist T)) 28, 11,0,0,0,0,1,0,75 50,3,2,0,0,0,6,7,03) points (verker 1 +) + 1) Have boun burean's 608 (11+100,10 V;1+4) Disconditions) DONALD (1-1-) (+1+1+1-1.0 10"; OIHT 17) selve no 5 12 98422 KIND & 50, 3, 0, 70 3 V-13 Ojrichtone (Int Goaph 107/07 int soc) ירען נווט ליוי \$ 7.25,00 . nost spiso to 1 0,0,6 4,090 60 (int in U) 1' (V) its Of topology of douby of South of





N-Julen # depo N'S # include Zswions # include (Stobolis) Authors beutzel(int pro[NJ(M)]) box (inti = 0; 1 < N; i++) 6-8 (in+ j=0; J < N; J++) 16 (200 [47 [67) -Pant("()"); paint (" "). paint (" \ n "). bool is Safe (int book [NTIN] int ook, int (01) 3 int i isi (1+1; 10) i (w/ i++) (1) [boass [sou 7 [i]) woon balle box (i= 806 ; j = 61; i>= 0 (1) >= 0; i--, (now 1 i 7 1 j) solven fulle

16 (Salverille (box 70) = hales)

point (Islander day not receive)

solve false; Print Sal (pro); noum true int moinly 3044 Sallige actuan o DUTTUT