10154

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TDT4102 / pros. og. obj. prog.

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CPRIN !

(la)

16) Fryt i = 8

Sound i = 4

10) 28, 0, 5, 20

1d) 20 30

1e) Indiex. 2: 8

Destruction : 1

1 f) (i) Animal: Gartield

Dog: Lasière

Britishil! Laste

Dog! wissit

(ii) Animal: nap.

(1) Animali Gentirel

Dog Lassie

Any Lassic

Day! Lassie

(hors untital)

1g) 3, Old Splitken

1h) 321 auce

1i) limiter value = 5

(astron short circit evaluation)

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1)) caught e = 3

Oppgave 2

2) int checkAlarm (const double value, const double the thirt) if (value > threshold) II value <= MAX_WIDD)

return: 10 place > MAX WIND)
return -1;

Elec

return O

26)

your print Alas real const inticl, coust doubt wint, contint or)

cout < "ALARM: " << id ~ " " < wind < " (va: ")

**Will(dikt the Blob Alder in it 9015) rout ~ "North;

else it (that die Wordlig <= 135) rout < " East";

else it (that die Wordlig <= 225) rout < " South;

else it (but << " Vest";

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20) or ear of operator << (ostream (os, construmple))

05 << 5. id << 1 << 5, wind

< ' ' < S. dir; < ' \n';

return 05;

20). void read Measurement (const chart tilenas c)

if stream file (fillengene);

Cerr & "File rouldn't be opened"

return;

sample temp = 203; Sample temp = 203; int mill= 0; Pit smip= 5;

while (file >> temp.id) {

file >> temp. wind; file >> fermp. dir;

measurements[mil][sup] = temps

Hotherall = Hotel MAN N_ SAMIPLES;

if (smp == 0) ++mill; file.close(); ++mill; file.close();

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18clo: (Sample> calcStats() vector example) result; for (int mill=0; mill = N_MILLO; tramill) { int mill_icl = measurements mill of icl; dide millwind = evalling (measurements [mill]) No mil int mill-clir = strappest Di-(measurement-Ind))result: sample temp = {mill-id, mill-wind, mill-ing result push-back (temp); return result

double and Wind (double * apomple Arr)

clouble sum =0; for (int i = 0; IX N-SAMPLES; ++i){ Stomlet Ar - Giliple Ar + [i], wind:

return sum/N_SAMPLES;

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stronget Di (sample * sample Arr) " about bastowast = - line Area filliwind: for Lint i = \$\psi; I < N_SAMPLES; ++1/3 if (sample Arr[i], wind > bost Wind) } best Wind = sample Arr [i]. wind; best Dir = sample An [] dis

return best Dir

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bool garatois (court sampled the, and ampled 1/15)

return the wind < rhs, wind;

Int check Measurements ()

int bortain allowing town to; 0;

for (int mil = 0; mill < N_MILL; ++ mill)?

Int milliss (acrit for Circt sup = 0; smp < N_SAMPLES; ++31p)

if (measurement, wind == -1) de)

++ mil MissCount; tt total Missing Counts

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This column is for external examiner if (mill Miss (aux > 1) throw measurement, id;

return total Missing in unt

2h) voil repair Measurements ()

for (int mill = 0; mill < N_MLLS; +tmill)? for (int smp=0; smp < N_SAMPLES; ++====)}

sample + masurementille Smarurements [millimis] if (unilestatement Ptr -> wind ==-1.0)

continue;

if (smp == 0)

measuragent Ptr-Twind

= measurements[mill] 1:

else if (smp == H)SAMPLES -1)

measurement Pti - 7 wine

= measurements [mill Sign - 1];

Plac. {

measure & bPt. - Virt

= (nieasurements[mil][5mp-1]

+ measurement [mill[sup+1])

12:

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Oppose 3

class Person i

private:

cond let ich

String *mail

public:

Person (const int id, const string ancil); int getld () const? string getMail() and; void set Mail (const string & email);

3;

Person "Person (const int id, west string I email) 36) : id(id), email (email)

> int Person: get kd () ronst & return 101,3 string Personal get Mail () and veturn enail; 3 void Person: set Mail (const string ! erent) ? this->email = email;

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private: string carType; int free Seals;

Driver (4nt id, string email, string our Tope Int free Scats) Person(id, email), carty. (carty) free seats (free reits)

3d) Meeting: Meeting (un day int start, int end, Compass , location, Person + can. -)

: challey), start (wit), end (end)

driver (nullptr), finestically Had first Part (mallet)

{3 , all Met (with Meetings)

all Meetings = this;

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30) vid Meeting: ad Participant (Penor person)

First Part = parson;

return;

3

Person * walker = First Part,

while (Huddhani -> get Next)) {

walker = walker-7 get N xt();

3

walker -> set Next (person);

3

37) void Marting: o Driving ()

Meeting* unlive; all Meetings; Set < Meeting* > completings;

while (!washaltengethere) {

i+ (walker + this) &d valler-song == de 12 walker-> start == start 11 walker-send

== end)

orther Medines instrument

walker = walner -> next;

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cost 2x "Possible co-chining for meeting in"

2x location = "on" - chy

2x "fron" < start - "to"

2x "fron" < start - "to"

2x "on < x "by " ex

couner-> get Mail() < ">">" < ">" < unt)

for (areto meet Pt.: order Meeting.) & cour < x " + Meeting by "2"

2x meet Rt. -> gowner-) get Maili) & ">"";

3

3y) Mering: ~ Mexting()

Partition Par years trulpholds

prov Participant & torrel trulpholds

w prev = current = first (x, t;

while (surrent -) get Next)) {

current => current -> get Next);

clelete prev;

prev = current;

delete pravient;

3

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This column is for

41) Outoset: Outoser (int N) : N(N), y(new double N))

{ For Cat 1 = 0; 1 < N; ++1)}

· Deother Miny (new double [M])

for (int 1=0; (< N; ++1) { y(i) = olany[i];

40) Datact : Datect ()

delete [] 4;

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401) Dataset & Ohastii operato = (Onlaset rhs)

N = rhs, N,

swap (y, other y): 32 return *this;

42) Nouble Datusol!! interplate (double x)

At (elaboral)

return stability cost

if (x >= Nd-1)

return VIVI

int x-clown = static-reaction x)

int x-up = x-down + 11

interest of x-closed + (y[x:p] - y[x dearn])

* (x - x-down)?

 $//|x_{i+1} - x_i| = x_i + 1 - q = 1$ 5. while degree

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Calcused * rundom data (Lutde man double max, introce)

{

Cataset * sectar = revo Catastasise;

for (int i=0; i < nte; rai)?

(*data) [i] = ravelor. Block (min, max)

}

return data;

double random block (clouble min, clouble max)

{

clouble seed = statut photochemics of (RANDA)

// tall method = reg 1.

return seed * (max = min) + min;