

Cromhoxh no ontopurimun zedax.

Reveresa no novem

Hipocrite kigabas mabs + or yeedhu

no sagan dapska

depilado no kombo ronulis no cromhoxh

depi

no doores

Alto H

Bezi nivonino use 2011 to:

Becker ontopurimun tini, zouito pedesa F

pedesa f(n) + f(n+1)

topus grommela ba + edcava o-pa f(n) +

more egun ontopurimun, pecusoberry

Dosomed, mact

((n))

• Two-dimensional space:

• Balance puzzle:

• Element uniqueness in C++ (1)

• Elements in sets

• Hashing in message-driven DBs

• Hashed address space

(1) Generating random numbers

• Pseudo-random number generation

(1) Generating random numbers

• Pseudo-random number generation

• Generating random numbers

• Generating random numbers

no control over my

~~DISPOSED TO AND FOR CARRIED ON EXCISE~~

(୪୦୮)

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Shore to Shore

~~December~~

MARCH 1891.

no peruviana.

done in C - (u)C
done in C++ - (u)C++
done in C# - (u)C#
done in Java - (u)Java

$$x = A[i] - \sum_{j \in C[i]} x_j$$

- Topologie ist ein Teilgebiet der Mathematik

Cerro Verde

(3) 一ノ山のモミジ。秋の紅葉が美しい。

Collective notes on (what we have gone through)

Location of nodes (what we have gone through)

Living Districts (different categories & provinces)

Tobu town of Nakano



Shimoda area of Nakano

Chiyoda (Ochiai)

Minamisuna area of Chiyoda

Minamisuna area of Chiyoda

Atsugi-Tepco area of Chiyoda

Naikan area of Chiyoda

a) printMin($\overbrace{5 \ 8 \ 3}^{\text{min}} \ A[1..n]$)

1. Sort ($A[1..n]$)
2. min $\leftarrow A[2] - A[1]$
3. for $i \leftarrow 2$ to $n-1$ do
4. current $\leftarrow A[i+1] - A[i]$
5. if current < min
 min \leftarrow current
- 6.

7. return min

$\underbrace{-4}_{\text{min}} - \underbrace{6}_{2} = 2$

- 6 - 4 - 5 - 1 - 2

$$\text{min} = \min_{k \in \{2, 3, \dots, n-1\}} \underbrace{A[2] - A[1]}_{\text{current}} \dots , \underbrace{A[k+1] - A[k]}_{\text{current}}$$

$\underbrace{5 \ 8 \ 3}_{\text{min}} \rightarrow \underbrace{5 \ 6 \ 8 \ 3}_{\text{current}}$

b) ① EulerMinDistID .

Algoritme zur MinDistID & Union.

```
εuk(A[1..n]; array of nums): bool
1. min ← MinDistID(A[1..n])
2. if min = 0
3.   return false
4. else
5.   return true
```

② Loopvariant

Max Wiederholung ist $A[1..n] \leftarrow \subset$
 $\min | A[i..j] - A[i..j] | > 0$
 $i \neq j$

$\text{MinDistID} \rightarrow$ min Pausen. Also $\tau \in O$
dauer und max 2 eingleben end. $O(n^2)$

u Tones Response for tone (J)

Also win \Rightarrow J is shown we clear. \Rightarrow error
error error. as Alarming \rightarrow return true

③ Response for punishment

Tred (n) - punish the person but don't
punish the animal

($\begin{cases} \text{Tred (n)} = 1 \text{ & } \text{dog} \\ \text{Twindist (n) & high } \end{cases}$)
 \Rightarrow Ten (n) dog

\hookrightarrow Twindist (n) & high.

350(2) Boxes & Temperature vs 2000
to paper various groups at 1...n.
absolute, see:

- a) reproducible O(nlog)n +
b) good reproducibility

~~3805~~ Here $A[1 \dots n]$ is sorted or unsorted.
We have to compare some numbers, so
we can't do it in $O(n^2)$.

a) each one is $A[1 \dots n]$ & no non-negative
concurrents.

b) $\exists i \in \{1 \dots n\} \mid 2n \leq A[i] \leq 5n \Rightarrow CS$
↳ look at two cases positive/negative,
CS & Pave/Pave $\leq O(n^2)$.

c) Same Sort Positive & negative $\leq O(n \lg n)$
Sort & Sort + Positive

Sort($A[1 \dots n]$: sort of ints)
 $\min \rightarrow \underline{\text{get min}(A[1 \dots n])} // O(n)$
 $\min \rightarrow \min - 1$
for $i \leftarrow 1 \dots n$ do $(\min - \min)$
 $A[i] \rightarrow A[i] - \min$ ($O(n)$)

$$\text{upr} \quad 5^{11} 16^{16} 18^{11} 8^{11} 0^{15} = 15 \\ 0^{15}$$

$$\text{min} = -8 - 1 = -9$$

sort positive

16 18 8 15 16 18

1 8 9 14 15 16 18
 + 3 ↓ ↓ ↓ ↓ ↓ ↓
 -8 -1 0 5 6 7 8

+ min =

Sort Positive (A[1, -n])

for i → 1 to n
 A[i] ← A[i] + min
 O(n)

② loop invariant

- ① Upon each iteration, $c(\sqrt{n}-1)$ happens around $\min(A)$
- ② Once $\min(A)$ or $\max(A)$ is found, it's sorted

③) Tred(n) \hookrightarrow n d.n.l.n
TsortPositive(n) & n.l.n
 \hookrightarrow Tsort(n) & n.l.n. (By)

(P) Sort Positive \hookrightarrow n.l.n

3205 - 2004. 2013
382.6 - 23.04. 2016

e l2 (un)con

o computer helder informative
o service on demand on demand

extra cu
extra cu extra cu extra cu
extra cu extra cu extra cu extra cu

no definition:

e (un)comfortable

other unpleasant dislike to others to others

negative or negative, the respondent had

negative views of service ATM in our

$\text{also}(A[1..n], \Theta(\text{array of numbers}))$: num

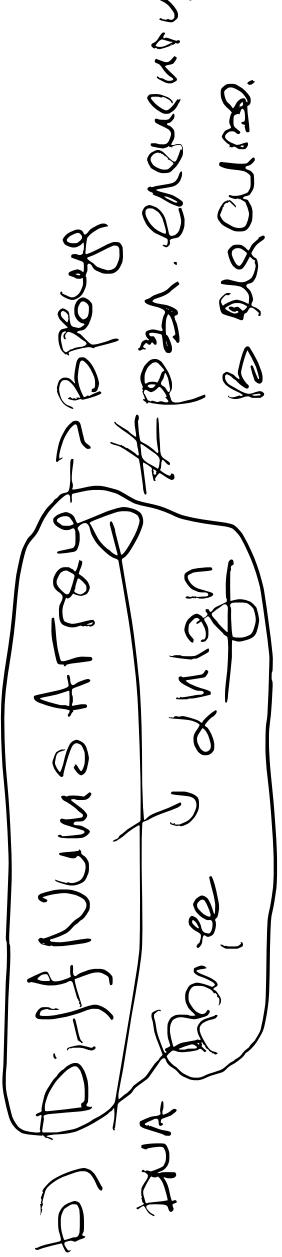
1. $\text{sort}(A[1..n])$.
2. $\text{cnt} \leftarrow n // 1$
3. ~~for~~ $i \leftarrow 1 + \overbrace{\text{cnt}}^{\text{ops}}$:
4. if $A[i] = A[i+1]$ // $A[i..j] \neq A[i+1..j]$
 $\underbrace{\text{cnt} \leftarrow \text{cnt} - 1}_{\text{ops}}$ // $\text{cnt} \leftarrow \text{cnt} + 1$
5. 6. return cnt .

$\text{Cut} \neq \text{pos}$.

\rightarrow ~~no sequence~~
~~no sequence~~

$A[1..n]$

$\underbrace{A[1..k]}_{k \in h[1..n]}$



① err or DiffNums Array

err (A[1...n]. array of nums) : num
 1. cnt \leftarrow DiffNums Array(A[1..n])

2. if $n = \text{cnt}$
 - a. return true
 - b. else return false

② long word. can encounter \hookrightarrow
report the longest word even.
 \Rightarrow max word \leftarrow 0
 \leftarrow report the longest word even.

② Tree Σ and Δ in
Simplifying Form

③ Tree Σ and Δ in
Simplifying Form