## Rasion

Vhertussitadivendtaseit

## Bricofrarsion

- Reusionsesanator
- Vitinttznetwacd isnatto tresanenthed
- Sonempevitinttenttrodte lepnostweited


## Didatags

- 3ngiodadatags
- Sondggiths
- egreusieflowai:

```
int fib (int n)
{
    if (n <= 2) return 1;
    else return fib (n - 1) + fib (n - 2);
}
```


## Dridatagerat

- Proedred oatrect 30dover
- Netnochtinelarttrogh
- Ltaonsak(sakaeflow)
- Netnothofapdentteeechs
- Vathatforsignoethatte linit


## Diadatagesmay

- Trefistoeistheoretovithat for(sorerdgniths)
- Thedretrocenanotheigoed (poesured artrextactdanon stak)


## Vttodertad

- Ifiledionisesp/topoyan,lsit
- Ifdranippogaminguads ssit irsted


## Vylderasion

- Eastopogan
- Espoctlag
- Stetertandraniqpogaming


## nqeesffdam

- Parenqeersonannxidess beadsottaroqeaisatakedy
adtergen
- Fridattetdennherof cofigrios


## nqeastion

- Trenorddiassditionisto rearidyadderstyying pesideplatents
- IIseas/bsedttheecnolybe oreqeenprodum
- Aeahsep theqeesfotterinsidiclins


## nqeasitionct

- Yautytodreaquernithei+1 cdunn
- Ifscresfi, yanmeontatteret septryingtadareaqeainttei + 2cdum


## nqeasitionot



## nqeasitionot




## nqeasitionat



## nqeasitioncot



## nqeesititincot

■ void search (int col)
\{
if (col $==\mathrm{n})$
\{
count++;
return;
\}
for (int row $=0$; row $<$ n; row + +)
if (not_attacked (row, col))
\{
board [col] = row;
search (col + 1);
\}
\}

## nqeasitioncot

- Te not_attacked netrulinply duedstoseéftheqeacane pacelinttypatialarblek


## nqeaxhajis

- Srettennbrofusibitiesis sad, reusionisqike aghinttis Сே
- Fra1@10 maditursfor01 is
- Tissdtioistsoaneander dethfisssexh
- Inqetiossinilatattis us reusionsineitisesietopogam


## Fratoristiocy

- You want to arrange the window of your flower shop in a most pleasant way. You have $F$ bunches of flowers, each being of a different kind and at least as many vases ( V ) ordered in a row.
- The bunches are moveable and are uniquely identified by integers between 1 and $F$. These id-numbers have a significance. They determine the required order of appearance of the flower bunches in the row of vases. The bunch i must be on the left of bunch j whenever $\mathrm{i}<\mathrm{j}$.
- Excess vases will be left empty. A vase can only hold one bunch of flowers.


## It thforeSplat

- Each vase has a distinct characteristic (just like flowers do). Hence, putting a bunch of flowers in a vase results in a certain aesthetic value. These values are presented in the following table:

| 尽 | VABS |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 1 | 2 | 3 | 4 | 5 |
|  | 1 | 7 | 23 | -5 | 24 | 16 |
|  | 2 | 5 | 2 | 4 | 10 | 23 |
|  | 3 | -21 | 5 | 4 | $-20$ | 0 |

## Fowerition1

## - Vecaldrremison

■ int flo (int f, int v)
\{
if (f $==\mathrm{F})$
return 0;
int $m=0$;
for (; $V<=V-F+f ; V++$ )
$m=\max (m, g r i d \quad[f][v]+$
flo (f $+1, \mathrm{v})$ );
return m;
\}

## Flovestition1 Adyis

- Intueitidapdentueare nubresnodtasokeapt
- IIsfatrosow
- Ithieseayshtiontofirdtte naxinom


## HoveStion?

- Trefiscsutionestrosow
- Tistinevell tydyraic pogaming
- Satfiontrestortlation
- Sanechrowfonkftoridt
- Addrenainomakeineathbok


## Flowstion2Cat

- int m;

$$
\text { for (int } i=F-2 ; i>=0 ; i--)
$$

$$
\{
$$

$$
\begin{aligned}
& m=-100 ; \\
& \text { for (int } j=V-F+i ; j>=i ; j--) \\
& \left\{\begin{array}{l}
\text { for } \\
\quad m=\max (m, \operatorname{grid}[i+1][j+1]) ; \\
\quad \text { grid }[i][j]+=m ;
\end{array}\right.
\end{aligned}
$$

## Foverition2cat

- int answer = -1000000;
for (int i = 0; i < F; i++)
ans $=\max$ (ans, grid [0][i]);


## Howeritioncat

- Tresdionis illurdeclintte tdesontreigt
- Tretpddeds bfoe
- Tredentonthes dter
- \eflownotes
verdatyed

|  | $\mathbf{1}$ | $\mathbf{2}$ | $\mathbf{3}$ | $\mathbf{4}$ | $\mathbf{5}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $\mathbf{1}$ | 7 | 23 | -5 | 24 | 16 |
| $\mathbf{2}$ | 5 | 21 | -4 | 10 | 23 |
| $\mathbf{3}$ | -21 | 5 | -4 | -20 | 20 |
|  | $\mathbf{1}$ | $\mathbf{2}$ | $\mathbf{3}$ | $\mathbf{4}$ | $\mathbf{5}$ |
| $\mathbf{1}$ | 41 | 53 | 25 | 24 | 16 |
| $\mathbf{2}$ | 5 | 41 | 16 | 30 | 23 |
| $\mathbf{3}$ | -21 | 5 | -4 | -20 | 20 |

## Fovarition 2 Adysis

- Olyterressaydalitiosae de
- Metratedgnith(005qider tmassallued)
- Tockeninetererentarsis exs/


## HoweAbais

- Intiscarer reasonisndat eagh
- Asavasifdranicpoyaning vals crat
- Ntal pdenenscarkesheevith dranippojamingsireituss moeneroy


## Cutrion

- Vteneasonusvitinttretine linit, Læit
- Ifitctest,ty pogamingoatleteetriqe
- Ifyaratcditaydteve/swe recisiontogetpatian nals


## Consioncot

- Renerber,naydteteehniqes ureusionsitisinpotato kownel
- Matgadtrey/(sotedpth
ecc) (rssiecuiso

