(IBM18 (5086) Program ! # i'n'chode Zuonis. hs # include 4 i ostream. hs # define MAX 10 it the should be muched below it class froster & severes al medianing the char adj-nu[MAX] adj-old[MAX]; i'nt table-new [MAX], table-old (MAX); for (int i=0; i<n;i+1) \\

for (int i=0; i\n;i+1) \\

for (int i=0; i\n;i+1 adj-old[i] = adj-nur[i]; Loady __ 12107 table - oldli) = table - numli j 2 mentale for mules of the post the perturbation of the strap of joi (int 1=0) ien iitt)

if (fable_old(i)] = table_now[i]] int regual() ? adj-newli) ! -= adj-old [i])

return 0;

return 1; mi not when the substitution void input [me j] (contec" Fater 1 i') the connex pondity rater is adjacent to nater "<< (char) ('A' +j) 22 "else 99: " (char) ('A' +j) 22

```
forling in Opiansians
   il ([[=])
      vout ec (char) ('A'=i) ec";
par (i=0; i=n; i++)
   id (1 == j)
        table-null] = 0;
       ansolable_now[i];
       adj-nur[i] = (does)(4+2);
cost exendly
void display() {
 coules" In Destination Roster";
 for (int i=0; i < n; i++)
    cot << (char)('A' +i) << ")
 pr (i=0. izn; f++)
codzadj-new[r] ze"
 cont 22 " In Hope cond";
 for (1-0; 14+)
     ">> [i]cun- eldot-sslos
(i build (ind j)
for lint i=0; izn; i++)
```

```
fulling K=0; (ij=j) fl(Kcn); Ktt)
     il (fable-old[i]1:99)
         if I(table_new[i] + r[i] ~ table_new[k]) Ztable_new[k])
           table-new[K] = table_new[i] + 7[i]. lable_new[K];
           adj-rew[t] = (char)('A'+i');
  ¿ [colon f
void build-table();
  Int 1=0; j=0;
ulu1: (3) i = n) s
  parliej; icn; i++) s
     r[1]. copy();
   ro[i] · build (i);
 for (1'=0; i< n; i++)
    of Ur [i]. equal(1);
```