```
Or int main(int args, char targn[])
       int (4=13, v=11, W=5, X=17, v=19, x=23, *q=NULL, am=NULL;
       int *a= &v; *b= &y, t= &w, d= &x, e= &u, *f= &z;
       int k=0, N=10;
      arr= (int ) mollor (N si ecof (int));
                                                                           K=6 7 18
                                                                  K=379
      For (q=arr, K=0; K < N; q++, K++);
                                                                           K=7 -22
                                                                           K=8 - 26
             (+q)=3*K+(K1,3) - N=10 K=0 → +q=0
                                    N=10 K=1 \rightarrow q = 3^{k}1 + (1) = 4

N=10 K=2 \rightarrow q = 3^{k}2 + (2) = 8

N=10 K=0 \rightarrow q = 3^{k}q + (0) = 27
     for ( k=0; k(n; k++) {
         Switch (arrtk) 7.6){
                                                                  *a = *a = 0 = 0
                                               grr[0]=0 %6=6
                                               arr [1]= 4 1.6 = 4 -F= 23-4=19
                 Case 0: (*a) =0; break;
                                               arr[2]=81.6=2 xe= 13-2=11
                 Case 1: (*c)+=1; break;
                                               ark[3]-91.6=3 +b=19+3=22
                 Case 2: (2e) -= 2; break:
                                               arr [4] = 13%6=1 *C= 5+1=6
                (ase 3: (b)+=3; break;
                                               arr [ 5] = 17 % 6 = 5 + d= 17+5= 21
                                               arrt63=18 1.6=0 * 9= 11.0=0
                Case 4: ( f) -= 4; break;
                                               arre7] = 222,6 = 4 + F= 19-4=15
                Case 5: ('d)+=5; break;
                                               anc8] = 26 7.6=2 *e= 11-2=9
                                               arre4] = 277.6=3 + b= 12+3=25
        printf ("u = 1/d, v=1/d, w=1/d In", u, v, w);
               4=9, V=0, W=6
```

printf ("x=1.d, y=1.d, 2=1.d \n", x,1,2);

X=22 y=25 Z=15 y

```
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Greando un hipercubo con 4 dimensiones (N=4) apartando
 memoria
int *** hipercobo (in 1 M, in 1 N into, in P){
   int 24xx hiper = NULLi
   int i=0, j=0, K=0; l=0;
   hiper = (int *24x) malloc (M* size of (int *xx));
    for (i=0; i<M; i++){
       hiper [i]=(int ***) malloc (N*sizeof (int **));
       for(j=0;j<N;j++){
           hiper [i][i]=(in)**) mullor (O"sizeof(in)*));
        for (k=0; K<0; K++)}
             hiper [i][i][K]=(int*)malloc(P*Sizeof(int));
             for (1=0; L<P; L++){
                hiper CilculexILL] = ixi * K*L;
     retorn (hiper);
```

```
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    Para liberar la memoria
Void destruishiper (int *** hiper, int M, in N, int O, int P) {
      int i=0, j=0, K=0, L=0;
      for (i=0; i< M; i++){
         for (j=0; j < N; j++) {
             for ( K=0; K<0; K++){
                for (1=0; ( P; 1++) {
                   free (hiper [i][j][k]);
                free (hiper [i][j]);
          free(hipertil);

free(hiper);
```

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3= Tomemos un arreglo de 10 elementos

int array[10] = {75,30,25,51,19,90,55,29,1,37}

