



```
1  /*****
2  /*  Name: Examen Janvier 2005
3  /*  Auteur: PAGART IGOR
4  /*  Date: 10/02/2005
5  /*  Description: Code C correspondant a l'algo Q4
6  /*
7  /*****
8
9
10 #include <stdio.h>
11 #include <stdlib.h>
12 #include <time.h>
13
14 struct type {
15     int a;
16     int b;
17 };
18 int main()
19 {
20     int menu;
21     char buffer[10];
22
23     struct type V[100];
24     int i,cpt;
25     srand(time(0));
26     do{
27         printf("Menu (1-4):");
28         fgets(buffer, sizeof buffer, stdin);
29         sscanf(buffer, "%d",&menu);
30         switch(menu)
31         {
32             case 1:
33                 for(i=0;i<100;i++)
34                 {
35                     printf("V[%d].a = %d\n",i,V[i].a);
36                     printf("V[%d].b = %d\n\n",i,V[i].b);
37                 }
38                 break;
39
40             case 2:
41                 cpt = 0;
42                 for(i=0;i<100;i++)
43                 {
44                     if(V[i].a == V[i].b)
45                     {
46                         cpt++;
47                     }
48                 }
49                 printf("Maximum d'identique -> %d\n",cpt);
50                 break;
51
52             case 3:
53                 for(i=0;i<100;i++)
54                 {
55                     V[i].a = 1+rand()%10;
56                     V[i].b = 1+rand()%10;
57                 }
58                 break;
59         }
60     }while(menu != 4);
61
62     system("PAUSE");
63     return 0;
64 }
65
```