#include<stdio.h>

main()

{

String[7:0] d,c;

//where d is a string array, size [8] and each of its array elements may hold any number of strings!

d[0]={15,14,8,0};

d[1]={14,9,8,1};

d[2]={14,10,9,8,2};

d[3]={15,11,10,9,3};

d[4]={12,11,10,4};

d[5]={13,12,11,5};

d[6]={14,13,12,6};

d[7]={15,14,13,7};

for(i=0;i<n; i=i+7) //n denotes the byte, for simple understanding let it be 1.

c<=d;

//concat means concatenating those array elements, (IF POSSIBLE, Sort that concatenated value in Descending form)

d[0]=concat (c[0] +8 ,c[6] +8,c[7]+8 , 0);

// Expecting is d[0] = {23,22,16,8,22,21,20,14,23,22,21,15,0} ;

//Now I want to remove the elements which are repeating (**even** in count), technically speaking (XOR-ing) so d[0] should be = {22,20,16,15,14,8,0} ; Same for the rest !

d[1]=concat (c[0] +8 ,c[6] +8,c[1] +8,1);

d[2]=concat (c[0] +8,c[6] +8,c[2] +8,c[1] +8,2);

d[3]=concat (c[1] +8,c[2] +8,c[3] +8,c[7] +8,3)

d[4]=concat (c[4] +8,c[3] +8,c[2]+8,4)

d[5]=concat (c[5] +8,c[4] +8,c[3] +8,5)

d[6]=concat (c[6] +8,c[5] +8,c[4] +8,6)

d[7]=concat (c[7] +8,c[6] +8,c[5] +8,7);

end

}

For each clock, **for** loop should be incremented. (1 Byte Output each times)

Output: I want to read the string array d[7:0]…

**printf (d[0],d[1],d[2],d[3],d[4],d[5],d[6],d[7])**