```
using System;

namespace String1
{
    class Program
    {
        static int DET(int[,] Matris)
        {
            int d = 0;
            int n = Matris.GetLength(0);
            int[,] AltMatris = new int[n - 1, n - 1];
            int alt_i = 0, alt_j = 0;

            if (n == 2)
            {
                return (Matris[0, 0] * Matris[1, 1] - Matris[1, 0] * Matris[0, 1]);
            }
            else
            {
                for (int k = 0; k < n; k++)
                { //-1^k
                    alt_i = 0;
                    for (int i = 1; i < n; i++)
                    {
                        alt_j = 0;
                        for (int j = 0; j < n; j++)
                        {
                            if (j == k) continue;
                            AltMatris[alt_i, alt_j] = Matris[i, j];
                            alt_j++;

                            /* if (j != k)
                             {
                                 AltMatris[alt_i, alt_j] = Matris[i, j];
                                 alt_j++;
                             }*/

                        }
                        alt_i++;
                    }
                    d = d + Convert.ToInt32(Math.Pow(-1, k)) * Matris[0, k] * DET(AltMatris);
                }
            }
            return d;

        }
        static void Main(string[] args)
        {
            int n;
            Console.Write("Matris Kapasitesi: ");
            n = Convert.ToInt32(Console.ReadLine());
            int[,] Matris = new int[n,n];

            Console.WriteLine("Matris Elemanları:");
            for (int i = 0; i < n; i++)
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        {
            for (int j = 0; j < n; j++)
            {
                Console.Write("M[{0},{1}] = ",i,j);
                Matris[i, j] = Convert.ToInt32(Console.ReadLine());
            }
        }

        Console.WriteLine();
        Console.WriteLine("Matris");

        for (int i = 0; i < n; i++)
        {
            for (int j = 0; j < n; j++)
            {
                Console.Write(Matris[i,j]+"\t");
            }
            Console.WriteLine();
        }
        Console.WriteLine();
        Console.WriteLine("Determinat = {0}",DET(Matris));
        Console.ReadKey();
    }
  }
}
```