

```

public class Table
{
    int[][] table;
    boolean laplace;

    public Table(int i, int j)
    {
        table = new int[i][j];
        laplace = false;
    }

    public void toggleLaplace()
    {
        int d = 1;
        if(laplace)
        {
            d = -1;
        }
        for(int i = 0; i < table.length; i++)
        {
            for(int j = 0; j < table[i].length; j++)
            {
                table[i][j] += d;
            }
        }
        laplace = !laplace;
    }

    public void add(int i, int j)
    {
        table[i][j]++;
    }

    public int get(int i, int j)
    {
        return table[i][j];
    }

    public double getMLE(int i, int j)
    {
        return (double)table[i][j] / sum();
    }

    public void print()
    {
        for(int i = 0; i < table.length; i++)
        {
            for(int j = 0; j < table[i].length; j++)
            {
                System.out.print(table[i][j] + " ");
            }
            System.out.println();
        }
    }

    private int sum()
    {
        int res = 0;
        for(int i = 0; i < table.length; i++)

```

```
        {
            for(int j = 0; j < table[i].length; j++)
            {
                res += table[i][j];
            }
        }
        return res;
    }
}
```