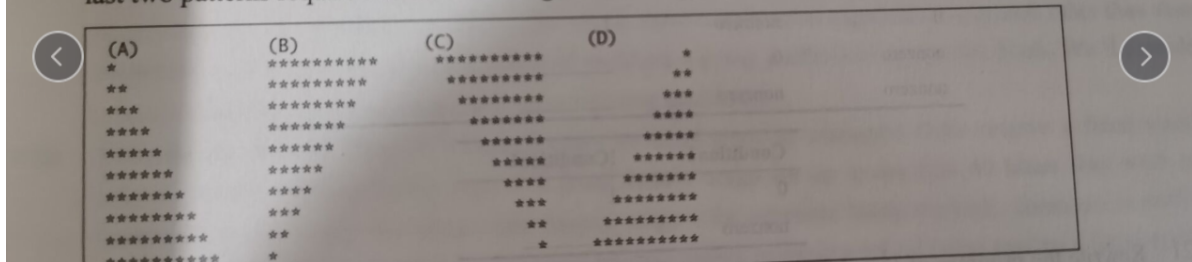


## 4.16

### 题目

4.16 (*Triangle-Printing Program*) Write a program that prints the following patterns separately, one below the other. Use for loops to generate the patterns. All asterisks (\*) should be printed by a single printf statement of the form printf( "%s", "\*" ); (this causes the asterisks to print side by side). [Hint: The last two patterns require that each line begin with an appropriate number of blanks.]



### 参考代码：

代码不完全按照题目要求。

```
//by suzhangs
#include<stdio.h>
int main()
{
    int n=10;
    int i=0,j=0;
    for(i=0;i<n;i++)
    {
        for(j=0;j<=i;j++)
            printf("*");
        printf("\n");
    }
    /*

    */
    printf("\n");
    i=0 ;
    int m =10;
    n =0 ;

    for (i=0;i<10;i++){
        for(n=0;n<m;n++){
            printf("*");
        }
        m--;
        for(n=0;n<i;n++){
            printf(" ");
        }
        printf("\n");
    }
    /*
```

```

*/
printf("\n");
n=10;
i = j =0;
    for(i=0;i<n;i++)
    {
        for(j=0;j<i;j++)
            printf(" ");
        for(j=i;j<n;j++)
            printf("*");
        printf("\n");
    }
printf("\n");

m =10;
for (i=0;i<10;i++){
    for(n=0;n<m;n++){
        printf(" ");
    }
    m--;
    for(n=0;n<i;n++){
        printf("*");
    }
    printf("\n");
}
printf("\n");

return 0;
}

```