Problem 1 - CSS

Professor Plum likes it when the College of Saint Scholastica, CSS, hosts MICS. He wants you to write a program to generate an ASCII art "CSS" sign. He plans on taping the sign on the side of the van when traveling to MICS Since he does not know the dimensions of the sign, he wants your program to take as input positive integer scaling factors and generate multiple signs of different sizes.

Scaling Factor	Letter Dimension of CSS (#chars × #chars)	Line Width of All Letters (#chars)	Blanks Between CSS Letters
1	5 × 5	1	5
2	10 × 10	2	10
3	15 × 15	3	15
10	50 × 50	10	50

Input

The first line contains the number of scaling factors. Each of the following lines contains a single positive integer scaling factor. The below sample input has 2 scaling factors.

```
2
1
3
```

Output

The output should contain the ASCII art for each sign corresponding to the scaling factors specified by the input. NOTE: All lines for a sign should be the same length by padding shorter lines with blanks. Five blank lines are after each case. Output for the above input is shown below.

```
Case 1:
CCCCC     SSSSS     SSSSS
C         S         S
C         SSSSS     SSSSS
C             S         S
CCCCC     SSSSS     SSSSS
```

```
Case 2:
CCCCCCCCCCCCCCC               SSSSSSSSSSSSSSS               SSSSSSSSSSSSSSS
CCCCCCCCCCCCCCC               SSSSSSSSSSSSSSS               SSSSSSSSSSSSSSS
CCCCCCCCCCCCCCC               SSSSSSSSSSSSSSS               SSSSSSSSSSSSSSS
CCC                           SSS                           SSS
CCC                           SSS                           SSS
CCC                           SSS                           SSS
CCC                           SSSSSSSSSSSSSSS               SSSSSSSSSSSSSSS
CCC                           SSSSSSSSSSSSSSS               SSSSSSSSSSSSSSS
CCC                           SSSSSSSSSSSSSSS               SSSSSSSSSSSSSSS
CCC                                        SSS                           SSS
CCC                                        SSS                           SSS
CCC                                        SSS                           SSS
CCCCCCCCCCCCCCC               SSSSSSSSSSSSSSS               SSSSSSSSSSSSSSS
CCCCCCCCCCCCCCC               SSSSSSSSSSSSSSS               SSSSSSSSSSSSSSS
CCCCCCCCCCCCCCC               SSSSSSSSSSSSSSS               SSSSSSSSSSSSSSS
```