

How many different ways can you make the word SNOW?

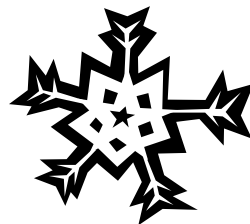
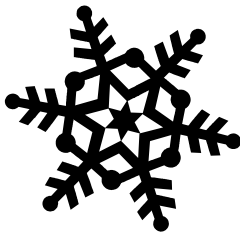


S

N N

O O O

W W W W





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| | | |
|------------------------------|------------------------------|------------------------------|
| S N N O O O W W W W | S N N O O O W W W W | S N N O O O W W W W |
| S N N O O O W W W W | S N N O O O W W W W | S N N O O O W W W W |
| S N N O O O W W W W | S N N O O O W W W W | S N N O O O W W W W |
| S N N O O O W W W W | S N N O O O W W W W | S N N O O O W W W W |



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| | |
|------------------------------|------------------------------|
| 1 1 1 1 2 1 1 3 3 1 | S N N O O O W W W W |
|------------------------------|------------------------------|

EXPLANATION:

- The word SNOW has 4 letters and should be compared to the fourth row of Pascal's Triangle.
- Comparing the diagrams in the fourth row shows that there should be one way to get to each W on the end.
- There should be three different ways to get to each middle W.
- There will be $1 + 3 + 3 + 1 = 8$ different ways to spell the word SNOW.

