Recursive Function Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Use recursive function to generate a recursive image of your choice.

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| Code | Picture |

1. Write a recursive function to calculate n! assuming n is a positive integer.

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| Code: |  |

1. Write a recursive function to check whether a given string is a palindrome. (a word, phrase, or sequence that reads the same backward as forward. Such as *civic, madam, kayak, level* and so on.

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| Code: |  |

(OPTIONAL) Write a recursive program to print all the combinations of factors of given number n.

Input : 16

Output :

2 2 2 2

2 2 4

2 8

4 4