```
Stack Frame 1
1. Line 12 Print Set = (1 2 3) First
2. Line 15 Set = (1 2 3)
                                        i = [1], j = [2], start = [0] (Top of inner for loop)
3. Line 18: Set = (1 \ 3 \ 2)
                                        i = [1], j = [2], start = [0] (Swap: Pre-Recursive Call (2))
       Return From Stack Frame 2
4. Line 15: Set = (1 \ 3 \ 2)
                                        i = [1], j = [3], start = [0] (Top of inner for loop, end condition j > end)
5. Line 25: Set = (1 \ 2 \ 3)
                                        i = [1], j = [_], start = [0] (Rotate left)
6. Line 15: Set = (1 \ 2 \ 3)
                                        i = [0], j = [1], start = [0] (Top of inner for loop)
                                        i = [0], j = [1], start = [0] (Swap: Pre-Recursive Call (3))
7. Line 18: Set = (2\ 1\ 3)
       Return From Stack Frame 3
8. Line 15: Set = (2\ 1\ 3)
                                        i = [0], j = [2], start = [0] (Top of inner for loop)
9. Line 18: Set = (3 1 2)
                                        i = [0], j = [2], start = [0] (Swap: Pre-Recursive Call (5))
       Return From Stack Frame 5
10. Line 25: Set = (1 2 3)
                                        i = [0], j = [_], start = [0] (Rotate Left)
                                        i = [-1], j = [\_], start = [0] (Top of inner for loop, end condition i < start)
11. Line 14: Set = (1 2 3)
       RETURN: Calling Program
Stack Frame 2
1. Line 12 Print Set = (1 \ 3 \ 2) Second
2. Line 14 Set = (1 \ 3 \ 2)
                                       i = [1], j = [2], start = [2] (Top of outer for loop, end condition i < start)
       RETURN: Stack Frame 1
Stack Frame 3
1. Line 12 Print Set = (2 1 3) Third
2. Line 15 Set = (2 1 3)
                                        i = [1], j = [2], start = [1] (Top of inner for loop)
                                        i = [1], j = [2], start = [1] (Swap: Pre-Recursiv Call (4))
3. Line 18 \text{ Set} = (2 \ 3 \ 1)
       Return From Stack Frame 4
                                        i = [1], j = [3], start = [1] (Top of inner for loop, end condition)
4. Line 15: Set = (2\ 3\ 1)
5. Line 25: Set = (2 1 3)
                                       i = [1], j = [_], start = [1] (Rotate left)
                                        i = [0], j = [1], start = [1] (Top of outer for loop, end condition i < start)
6. Line 15: Set = (2\ 1\ 3)
       RETURN: Stack Frame 1
Stack Frame 4
1. Line 12 Print Set = (2 3 1) Fourth
2. Line 15 \text{ Set} = (2 \ 3 \ 1)
                                        i = [1], j = [2], start = [2] (Top of outer for loop, end condition i < start)
       RETURN: Stack Frame 3
Stack Frame 5
1. Line 12 Print Set = (3 1 2) Fifth
2. Line 15 Set = (3 1 2)
                                        i = [1], j = [2], start = [1] (Top of inner for loop)
3. Line 17 Set = (3\ 2\ 1)
                                        i = [1], j = [2], start = [1] (Swap: Pre-Recursive Call (6))
                                       i = [1], j = [3], start = [1] (Top of inner for loop, end condition j > end)
4. Line 15 Set = (3\ 2\ 1)
                                        i = [0], j = [], start = [1] (Top of outer for loop, end condition i < start)
5. Line 14 \text{ Set} = (3 \ 2 \ 1)
       RETURN: Stack Frame 1
Stack Frame 6
1. Line 12 Print Set = (3 1 2) Sixth
2. Line 15 Set = (3\ 2\ 1)
                                       i = [1], j = [2], start = [2] (Top of outer for loop, end condition i < start)
       RETURN: Stack Frame 5
```