```
0: Start of execution: Beginning Search
                                                1: Searching: query(Candidate Variable_0)
                     2: Searching: calculate_next_term_in_sequence(Candidate Variable 0)
                                   3: Searching: generate_sequence(Candidate Variable 1)
                                           4: Searching: sequence(5, Candidate Variable 1)
                                                                         5: Searching: 5>0
                                                                             6: Found: 5>0
                                                             7: Searching: _18842 is 5+ -1
                                                                       8: Found: 4 is 5+ -1
                                                              9: Searching: _17608 is 2+4
                                                                       10: Found: 6 is 2+4
                                         11: Searching: sequence(4, Candidate Variable_2)
                                                                       12: Searching: 4>0 -
                                                                           13: Found: 4>0 -
                                                            14: Searching: _23146 is 4+ -1
                                                                      15: Found: 3 is 4+ -1
                                                             16: Searching: _21912 is 2+3
                                                                       17: Found: 5 is 2+3
                                         18: Searching: sequence(3, Candidate Variable_3)
                                                                       19: Searching: 3>0
                                                                           20: Found: 3>0
                                                            21: Searching: _27450 is 3+ -1
                                                                      22: Found: 2 is 3+ -1
                                                             23: Searching: _26216 is 2+2
                                                                       24: Found: 4 is 2+2
                                         25: Searching: sequence(2, Candidate Variable_4)
                                                                       26: Searching: 2>0
                                                                           27: Found: 2>0
                                                            28: Searching: _31754 is 2+ -1
                                                                      29: Found: 1 is 2+ -1
                                                             30: Searching: _30520 is 2+1
                                                                       31: Found: 3 is 2+1
                                         32: Searching: sequence(1, Candidate Variable_5)
                                                                       33: Searching: 1>0 -
                                                                           34: Found: 1>0 -
                                                            35: Searching: _36058 is 1+ -1 ·
                                                                      36: Found: 0 is 1+ -1 -
                                                             37: Searching: _34824 is 2+0 -
38: Found: 2 is 2+0 -
                                         39: Searching: sequence(0, Candidate Variable_6) -
                                                                40: Found: sequence(0, [])
                                                               41: Found: sequence(1, [2]) -
                                                             42: Found: sequence(2, [3, 2]) -
                                                          43: Found: sequence(3, [4, 3, 2]) -
                                                        44: Found: sequence(4, [5, 4, 3, 2]) -
                                                     45: Found: sequence(5, [6, 5, 4, 3, 2])
                                             46: Found: generate sequence([6, 5, 4, 3, 2])
                   47: Searching: calculate_next_term([6, 5, 4, 3, 2], Candidate Variable_0) -
                           48: Searching: next_term([6, 5, 4, 3, 2], 5, Candidate Variable_0) -
                                                                       49: Searching: 5>0 -
                                                                           50: Found: 5>0 -
                                                            51: Searching: _45864 is 5+ -1 -
                                                                      52: Found: 4 is 5+ -1 -
                                                               53: Searching: _7706 is 6+4 -
54: Found: 10 is 6+4 -
                                                 55: Found: next_term([6, 5, 4, 3, 2], 5, 10) -
                                          56: Found: calculate_next_term([6, 5, 4, 3, 2], 10) -
                                          57: Found: calculate next term_in_sequence(10)
                                         58: Found: query(10) | {'Result': 'NextTerm = 10'} -
                         Looking for other paths: Redo: sequence(0, Candidate Variable_6)
                                                                       59: Searching: 0>0 -
                                                    60: Fail: 0>0 | {'Result': 'Search Failed'}
                     61: Fail: sequence(0, Candidate Variable 6) | {'Result': 'Search Failed'}
                     62: Fail: sequence(1, Candidate Variable 5) | {'Result': 'Search Failed'}
                     63: Fail: sequence(2, Candidate Variable 4) | {'Result': 'Search Failed'}
                     64: Fail: sequence(3, Candidate Variable 3) | {'Result': 'Search Failed'}
                     65: Fail: sequence(4, Candidate Variable 2) | {'Result': 'Search Failed'}
                     66: Fail: sequence(5, Candidate Variable 1) | {'Result': 'Search Failed'}
             67: Fail: generate sequence(Candidate Variable 1) | {'Result': 'Search Failed'}
68: Fail: calculate next term in sequence(Candidate Variable 0) | {'Result': 'Search Failed'} -
```

Reference

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69: Fail: query(Candidate Variable 0) | {'Result': 'Search Failed'} -