In [2]:
```
import function_ramsey_numbers as ram
```

In [3]:
```
%%time
k = 1
l = 1
p = ram.Rams_comp_update2(k,l)
print(p)
```

```
1
CPU times: user 496 µs, sys: 294 µs, total: 790 µs
Wall time: 684 µs
```

In [4]:
```
r11 = ram.Rams_comp_update2(1,1)
r12 = ram.Rams_comp_update2(1,2)
r13 = ram.Rams_comp_update2(1,3)
r14 = ram.Rams_comp_update2(1,4)
```

In [5]:
```
r21 = r12
r22 = ram.Rams_comp_update2(2,2)
r23 = ram.Rams_comp_update2(2,3)
r24 = ram.Rams_comp_update2(2,4)
```

In [6]:
```
r31 = r13
r32 = r23
r33 = ram.Rams_comp_update2(3,3)
r34 = ram.Rams_comp_update2(3,4)
```

In [7]:
```
r41 = r14
r42 = r24
r43 = r34
r44 = " - "
```

In [8]:
```
from prettytable import PrettyTable

# Create a PrettyTable object
table = PrettyTable()

# Define the column names
table.field_names = [" l/r", " r = 1", "r = 2", "r = 3", "r=4"]

# Add rows to the table
table.add_row(["l = 1", r11 , r12, r13, r14 ])
table.add_row(["l = 2", r21 , r22, r23, r24 ])
table.add_row(["l = 3", r31 , r32, r33, r34 ])
table.add_row(["l = 4", r41 , r42, r43, r44 ])

# Print the table
print(table)
```

| l/r | r = 1 | r = 2 | r = 3 | r=4 |
|---|---|---|---|---|
| l = 1 | 1 | 1 | 1 | 1 |
| l = 2 | 1 | 2 | 3 | 4 |
| l = 3 | 1 | 3 | 6 | 7 |
| l = 4 | 1 | 4 | 7 | - |

In [ ]: