Configurations with Maximal Length Results

N=4 (Target: 15)

Configuration 1

Original Config: `90 150 90 150`

Positions Replaced: 1

Maximal Configurations Found:

- `90 30 90 150`

- `90 75 90 150`

Configuration 2

Original Config: `150 150 90 150`

Positions Replaced: 1

Maximal Configurations Found:

- `150 150 210 150`

- `150 150 225 150`

N=5 (Target: 31)

Original Config: `150 150 150 150 90`

Positions Replaced: `1`

Maximal Configurations Found:

- `150 150 75 150 90`

- `150 150 210 150 90`

N=6 (Target: 63)

Configuration 1

Original Config: `90 150 150 90 150 90`

Positions Replaced: `1`

Maximal Configurations Found:

- `90 30 150 90 150 90`

- `90 75 150 90 150 90`

Configuration 2

Original Config: `150 90 150 90 90 150`

Positions Replaced: `1`

Maximal Configurations Found:

- `150 90 150 30 90 150`

- `150 90 150 45 90 150`

- 150 90 150 210 90 150

- 150 90 150 225 90 150

Configuration 3

Original Config: 90 150 150 150 90 150

Positions Replaced: 2

Maximal Configurations Found:

- 90 30 150 150 30 150

- 90 30 150 150 45 150

- 90 75 150 150 210 150

- 90 75 150 150 225 150

N=7 (Target: 127)

Configuration 1

Original Config: 150 90 150 90 150 90 90

Positions Replaced: 1

Maximal Configurations Found:

- 150 90 150 30 150 90 90

- 150 90 150 225 150 90 90

Configuration 2

Original Config: 150 90 150 90 90 90 150

Positions Replaced: 2

Maximal Configurations Found:

- `150 90 150 30 90 30 150`

- `150 90 150 30 90 45 150`

- `150 90 150 45 90 30 150`

- `150 90 150 45 90 45 150`

- `150 90 150 210 90 30 150`

- `150 90 150 210 90 45 150`

- `150 90 150 225 90 30 150`

- `150 90 150 225 90 45 150`

Configuration 3

Original Config: 150 90 150 150 90 90 150

Positions Replaced: 2

Maximal Configurations Found:

- `150 90 150 30 90 30 150`

- `150 90 150 30 90 45 150`

- `150 90 150 45 90 30 150`

- `150 90 150 45 90 45 150`

- `150 90 150 210 90 30 150`

- `150 90 150 210 90 45 150`

- `150 90 150 225 90 30 150`

- `150 90 150 225 90 45 150`

Configuration 4

Original Config: 150 90 150 150 90 150 150

Positions Replaced: 2

Maximal Configurations Found:

- 150 90 150 30 90 30 150

- 150 90 150 30 90 45 150

- 150 90 150 45 90 30 150

- 150 90 150 45 90 45 150

- 150 90 150 210 90 30 150

- 150 90 150 210 90 45 150

- 150 90 150 225 90 30 150

- 150 90 150 225 90 45 150

N=8 (Target: 255)

Original Config: 150 90 150 90 150 90 150 150

Positions Replaced: 1

Maximal Configurations Found:

- 150 90 150 30 150 90 150 150

- 150 90 150 225 150 90 150 150

Summary

Total successful original configs: 10

Total maximal configurations generated: 44

Most productive config: `150 90 150 90 90 90 150` (N=7) with 8 maximal results