

| Configuration | p | T_1 | T_2 | B_1 | B_2 |
|---------------|-----|-------------|------------------------------|-------------|-----------------------|
| 1 | 0 | \emptyset | $1, \dots, N$ | \emptyset | $N + 1, \dots, 2N$ |
| 2 | 0 | $2N + 1$ | $2, \dots, N$ | \emptyset | $N + 2, \dots, 2N, 1$ |
| 3 | 0 | \emptyset | $2, \dots, N, 1$ | $2N + 1$ | $N + 2, \dots, 2N$ |
| 4 | 1 | \emptyset | $3, \dots, N, 1, 2N + 1$ | \emptyset | $N + 2, \dots, 2N, 2$ |
| 5 | 0 | \emptyset | $1, 2N + 1, 2, \dots, N - 1$ | \emptyset | $N + 2, \dots, 2N, N$ |