|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 45 |  | 46 |  | 47 |  | 48 |  | 49 |
| 40 |  | 41 |  | 42 |  | 43 |  | 44 |  |
|  | 35 |  | 36 |  | 37 |  | 38 |  | 39 |
| 30 |  | 31 |  | 32 |  | 33 |  | 34 |  |
|  | 25 |  | 26 |  | 27 |  | 28 |  | 29 |
| 20 |  | 21 |  | 22 |  | 23 |  | 24 |  |
|  | 15 |  | 16 |  | 17 |  | 18 |  | 19 |
| 10 |  | 11 |  | 12 |  | 13 |  | 14 |  |
|  | 05 |  | 06 |  | 07 |  | 08 |  | 09 |
| 00 |  | 01 |  | 02 |  | 03 |  | 04 |  |

Bitboard

W:白棋

B:黑棋

K:王棋

**棋局1：**

[  
{"W":"00000000001110000000000100000000000000000000000000",  
"B":"00000000000000000000001000000100010000000000100000",  
"K":"00000000000000000000000000000000000000000000000000"},  
  
{"W":"00000000000110010000000100000000000000000000000000",  
"B":"00000000000000000000001000000100010000000000100000",  
"K":"00000000000000000000000000000000000000000000000000"},  
... ...，  
{"W":"00000000000100010000000000000000000000000000000000",  
"B":"00000001000000000000001000000000010000000000100000",  
"K":"00000000000000000000000000000000000000000000000000"},

{"W":"00000000000100000000000000000000000000000000000001",  
"B":"00000001000000000000000000000000000000000000000000",  
"K":"00000000000000000000000000000000000000000000000001"},

{"W":"00000000000000000000000000000000000000000000000001",  
"B":"00000000000000001000000000000000000000000000000000",  
"K":"00000000000000000000000000000000000000000000000001"},

{"W":"10000000000000000000000000000000000000000000000000",  
"B":"00000000000000000000000000000000000000000000000000",  
"K":"10000000000000000000000000000000000000000000000000"},  
]

**棋局2：**

[

{"W":"01000000100101000000000000000000000000000000000000",  
"B":"00000000000000000100001000100000000010000000000000",  
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{"W":"01000000100001001000000000000000000000000000000000",  
"B":"00000000000000000100001000100000000010000000000000",  
"K":"00000000000000000000000000000000000000000000000000"},

{"W":"01000000100001000000000000000000000000000000000000",  
"B":"00000000000100000100000000100000000010000000000000",  
"K":"00000000000000000000000000000000000000000000000000"},

{"W":"01000000100000000000000000000000000000000010000000",  
"B":"00000000000100000000000000000000000000000000000000",  
"K":"00000000000000000000000000000000000000000000000000"},

{"W":"01000000100000000000000000000000000000000010000000",  
"B":"00000100000000000000000000000000000000000000000000",  
"K":"00000000000000000000000000000000000000000000000000"},

{"W":"00000000101000000000000000000000000000000010000000",  
"B":"00000000000000000000000000000000000000000000000000",  
"K":"00000000000000000000000000000000000000000000000000"},

]

**棋局3：**

[

{"W":"00000000000000000000010000010010000000001000000000",  
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{"W":"00000000000000000000000001010010000000001000000000",  
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"K":"00000000010000000000000000000000000000000000000000"},

{"W":"00000000000000000000000001000010000000001000000000",  
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"K":"00000000000000000000000000000000100000000000000000"},

{"W":"00000000000000000000000001000000000100001000000000",  
"B":"00000000000000000000100000000000100010000001010000",  
"K":"00000000000000000000000000000000100000000000000000"},

{"W":"00000000000000000000000000000000000100001000000000",  
"B":"00000000000000000000000000000001100010000001010000",  
"K":"00000000000000000000000000000000100000000000000000"},

{"W":"00000000000000000000000000000000000000001000000010",  
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{"W":"00000000000000000000000000000000000000001000000010",  
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"K":"00000000000000000000000000000000000000000000000010"},

{"W":"00000000000000000000010000000000000000001000000000",  
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"K":"00000000000000000000010000000000000000000000000000"},

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{"W":"00000000000000000000010000000000000000001000000000",  
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{"W":"00001000000000000000010000000000000000000000000000",  
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{"W":"00001000000000000000010000000000000000000000000000",  
"B":"00000000000000000000000001000000000000000000000000",  
"K":"00001000000000000000010000000000000000000000000000"},

{"W":"00001000000000000000000000000010000000000000000000",  
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"K":"00001000000000000000000000000010000000000000000000"},

]

**棋局4：**

[

{"W":"00000000001000010000010000000000000000000000000000",  
"B":"00000000000000000000000000000010100000000001000000",  
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{"W":"00000000001000010000000001000000000000000000000000",  
"B":"00000000000000000000000000000010100000000001000000",  
"K":"00000000000000000000000000000000000000000000000000"},

{"W":"00000000001000010000000000000000000000000000000000",  
"B":"00000000000000000000010000000000100000000001000000",  
"K":"00000000000000000000000000000000000000000000000000"},

{"W":"00000000001000010000000000000000000000000000000000",  
"B":"00000000000000000000010000000000100000000001000000",  
"K":"00000000000000000000000000000000000000000000000000"},

{"W":"00000000001000000000000000000000000000000000000010",  
"B":"00000000000000000000000000000000000000000000000000",  
"K":"00000000000000000000000000000000000000000000000010"},

]

**棋局5：**

[

{"W":"00000000000000001100001000100000000000000000000000",  
"B":"00000000000000000000000000010000010011000000000000",  
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{"W":"00000000000000001100001000000000100000000000000000",  
"B":"00000000000000000000000000010000010011000000000000",  
"K":"00000000000000000000000000000000000000000000000000"},

{"W":"00000000000000001100001000000000000000000000000000",  
"B":"00000000000000000000000000110000010010000000000000",  
"K":"00000000000000000000000000000000000000000000000000"},

{"W":"00000000000000001100000000000000000000000010000000",  
"B":"00000000000000000000000000010000010000000000000000",  
"K":"00000000000000000000000000000000000000000000000000"},

{"W":"00000000000000001100000000000000000000000010000000",  
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{"W":"00000000000000001100000000000000000000000000000100",  
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{"W":"00000000000000001100000000000000000000000000000100",  
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"K":"00000000000000000000000000000000000000000000000100"},

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"B":"00000000000000000000000000001000000000000000000000",  
"K":"00000000000000000000000000000000000000000000000100"},

{"W":"00000000000000000100000000010000000000000000000100",  
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"K":"00000000000000000000000000000000000000000000000100"},

{"W":"00000000000000000100000000010100000000000000000000",  
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{"W":"00000000000000000100000000010100000000000000000000",  
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"K":"00000000000000000000000000000100000000000000000000"},

{"W":"00000000000000000110000000010000000000000000000000",  
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"K":"00000000000000000010000000000000000000000000000000"},

{"W":"00000000000000000110000000010000000000000000000000",  
"B":"00000000000000100000000000000000000000000000000000",  
"K":"00000000000000000010000000000000000000000000000000"},

{"W":"00000000010000000100000000010000000000000000000000",  
"B":"00000000000000000000000000000000000000000000000000",  
"K":"00000000010000000000000000000000000000000000000000"},

]

**棋局6**：

[

{"W":"10000100000100000000000000000000000000000000000000",  
"B":"00000000000000000000101000000000010000000001000000",  
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{"W":"10000100000000010000000000000000000000000000000000",  
"B":"00000000000000000000101000000000010000000001000000",  
"K":"00000000000000000000000000000000000000000000000000"},

{"W":"10000100000000000000000000000000000000000000000000",  
"B":"00000000000100000000001000000000010000000001000000",  
"K":"00000000000000000000000000000000000000000000000000"},

{"W":"10000000000000000000000000000000000000000000000100",  
"B":"00000000000000000000000000000000000000000000000000",  
"K":"00000000000000000000000000000000000000000000000100"},

]

**棋局7：**

[

{"W":"10000100000110000000000000000000000000000000000000",  
"B":"00000000000000000000011000000001000000000010000000",  
"K":"00000000000000000000000000000000000000000000000000"},

{"W":"10000100000010001000000000000000000000000000000000",  
"B":"00000000000000000000011000000001000000000010000000",  
"K":"00000000000000000000000000000000000000000000000000"},

{"W":"10000100000010000000000000000000000000000000000000",  
"B":"00000000000100000000010000000001000000000010000000",  
"K":"00000000000000000000000000000000000000000000000000"},

{"W":"10000000000010000000000000000000000000000000000100",  
"B":"00000000000000000000000000000000000000000000000000",  
"K":"00000000000000000000000000000000000000000000000100"},

]

**棋局8：**

[

{"W":"00000000000100001000011000000000000000000000000000",  
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{"W":"00000000000100001000010000100000000000000000000000",  
"B":"00000000000000000000000000000001100000000010000000",  
"K":"00000000000000000000000000000000000000000000000000"},

{"W":"00000000000100001000010000000000000000000000000000",  
"B":"00000000000000000000001000000000100000000010000000",  
"K":"00000000000000000000000000000000000000000000000000"},

{"W":"00000000000100000000010000000000000000000000000100",  
"B":"00000000000000000000000000000000000000000000000000",  
"K":"00000000000000000000000000000000000000000000000100"},

]

**棋局9：**

[

{"W":"00001000010010001000011000000000000000000000000100",  
"B":"00000000000001000000000110001000001000000000000000",  
"K":"00000000000000000000000000000000000000000000000000"},

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"K":"00000000000000000000000000000000000000000000000000"},

{"W":"00001000010000001000011000000000000000000000000100",  
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"K":"00000000000000000000000000000000000000000000000000"},

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{"W":"00001000010000000000011000000000000000100000000100",  
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"K":"00000000000000000000000000000000000000000000000000"},

{"W":"00001000000000100000011000000000000000100000000100",  
"B":"00000000000000000000000100000000000000000000000000",  
"K":"00000000000000000000000000000000000000000000000000"},

{"W":"00001000000000100000011000000000000000100000000100",  
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"K":"00000000000000000000000000000000000000000000000000"},

{"W":"00001 00000 00011 00000 01000 00000 00000 00010 00000 00100",  
"B":"00000 00000 00000 00000 00000 00000 00000 00000 00000 00000",  
"K":"00000 00000 00000 00000 00000 00000 00000 00000 00000 00000"},

]

**棋局10：**

[

{"W":"00000000100100001000000000100000000100000000000000",  
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"K":"00000000000000000000000000000000000000000000000000"},

{"W":"00000000000101001000000000000000000000000000000000",  
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"K":"00000000000000000000000000000000000000000000000000"},

{"W":"00000000000001011000000000000000000000000000000000",  
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"K":"00000000000000000000000000010000000000000000000000"},

{"W":"10000000000000000000000000000000000000000000000000",  
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"K":"10000000000000000000000000000000000000000000000000"},  
]