X(1p Score) Y (2p Score) 1,0 0,1

S4

S2

S3

S1

S0

0,1 1,0

1,0 0,1

Output P1 Win Output P2 Win

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| X (1P Score) | Y (2P Score) | Current State | Next State | P1 Wins | P2 Wins |
| 0 | 0 | S0 | S0 | 0 | 0 |
| 1 | 0 | S0 | S1 | 0 | 0 |
| 0 | 1 | S0 | S3 | 0 | 0 |
| 1 | 0 | S1 | S2 | 0 | 0 |
| 0 | 1 | S1 | S0 | 0 | 0 |
| X | X | S2 | X | 1 | 0 |
| 1 | 0 | S3 | S0 | 0 | 0 |
| 0 | 1 | S3 | S4 | 0 | 0 |
| X | X | S4 | X | 0 | 1 |

X(1p Score) Y (2p Score) 1,0 0,1

S4

S2

S2

S1

S0

0,1 1,0

1,0 0,1

Output P1 Win Output P2 Win

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| X (1P Score) | Y (2P Score) | Current State | Next State | P1 Wins | P2 Wins |
| 0 | 0 | S0 | S0 | 0 | 0 |
| 1 | 0 | S0 | S1 | 0 | 0 |
| 0 | 1 | S0 | S3 | 0 | 0 |
| 1 | 0 | S1 | S2 | 0 | 0 |
| 0 | 1 | S1 | S0 | 0 | 0 |
| X | X | S2 | X | 1 | 0 |
| 1 | 0 | S3 | S0 | 0 | 0 |
| 0 | 1 | S3 | S4 | 0 | 0 |
| X | X | S4 | X | 0 | 1 |