|  |  |  |
| --- | --- | --- |
| At the end of row | Symbolic Store | PCT |
| 16 | z→z0; y→y0 | True |
| 2 | [16] | y0<6 |
| 6a | [16] | [2] |
| 6b | [16] | y0>=6 |
| 7a.1 | [16] | [6a] ^ z0==1 |
| 7b.1 | [16] | [6b] ^ z0==1 |
| 7c | [16] | [7a] ^ y0 != 4 |
| 7d | [16] | [7b] ^ y0 != 4 |
| 9a.1 | y->y0; z->z0+1 | [7c] |
| 9b.1 | y->y0; z->z0+1 | [7d] |
| 7a.2 | [9a.1] | [6a] ^ z0+1==1 |
| 7b.2 | [9a.b] | [6b] ^ z0+1==1 |
| 10a | [9a.1] | [9a.1] ^ z0+1!=1 |
| 10b | [9b.1] | [9b.1] ^ z0+1!=1 |
| 10c | [16] | [7a.1] ^ y0==4 |
| 10d | [16] | [7b.1] ^ y0==4 |
| 10e | [16] | [6a] ^ z0!=1 |
| 10f | [16] | [6b] ^ z0!=1 |

For each number set, we will find choose the respective 10x path and check for valid inputs

1-2-3-6-7-8.1-8.2-12-13 -> 10d: y>=6 ^ z0==1^ y0==4, we can see that y0==4 ^ y0>=6 which is infeasible

1-2-3-4-7-8.1-8.2-9-10-11-8.1-12-13 -> 10a: y<6 ^ z0==1^ y0!=4, z0+1!=1, we can easily see that {y0=1,z0=1} is a good input.

1-2-3-6-7-8.1-8.2-9-10-11-8.1-12-13 -> 10b: y>=6 ^ z0==1^ y0!=4 ^ z0+1!=1, easy to see that {y0=10,z0=1}

1-2-3-4-7-8.1-8.2-12-13 -> 10c: y<6 ^ z0==1^ y0==4, easy to see that {y0=4, z0=1} is valid input