f(m,n)={m>n, m-n}

{m<=n, 0}

**Logic**

111011

~~1~~1101~~1~~

~~11~~10~~11~~

~~111~~0~~11~~

~~111~~1~~11~~

W=1101

Time 0

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| *1* | 1 | 0 | 1 | B | B |  |

*q*0

Time 1

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| B | 1 | 0 | 1 | B | B |  |

Q1

Time 2

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| B | 1 | 0 | 1 | B | B |  |

Q1

Time 3

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| B | 1 | 0 | 1 | B | B |  |

Q1

Time 4

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| B | 1 | 0 | 1 | B | B |  |

Q1

Time 5

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| B | 1 | 0 | 1 | B | B |  |

Q2

Time 6

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| B | 1 | 0 | B | B | B |  |

Q3

Time 7

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| B | 1 | 0 | B | B | B |  |

Q3

Time 8

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| B | 1 | 0 | B | B | B |  |

Q3

Time 9

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| B | 1 | 0 | B | B | B |  |

Q0

Time 10

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| B | B | 0 | B | B | B |  |

Q1

Time 11

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| B | B | 0 | B | B | B |  |

Q1

Time 12

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| B | B | 0 | B | B | B |  |

Q2

Time 13

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| B | B | 1 | B | B | B |  |

Qaccept