|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | 0 | 1 | 2 | 3 | 4 | 5 | 6 |
| 0 | [  [4, 5, 5, 5, 5, 5, 5, 5],  [7, 1, 1, 1, 1, 1, 1, 1],  [7, 1, 1, 1, 1, 1, 1, 1],  [7, 1, 1, 1, 1, 1, 1, 1],  [7, 1, 1, 1, 1, 1, 1, 1],  [7, 1, 1, 1, 1, 1, 1, 1],  [7, 1, 1, 1, 1, 1, 1, 1],  [7, 1, 1, 1, 1, 1, 1, 13]  ] | [  [5, 5, 5, 5, 5, 5, 5, 5],  [1, 1, 1, 1, 1, 1, 1, 1],  [1, 1, 1, 1, 1, 1, 1, 1],  [1, 1, 1, 1, 1, 1, 1, 1],  [1, 1, 1, 1, 1, 1, 1, 1],  [1, 1, 1, 1, 1, 1, 1, 1],  [1, 1, 1, 1, 1, 1, 1, 1],  [10, 10, 10, 10, 10, 12, 1, 13]  ] | [  [5, 5, 5, 5, 5, 5, 5, 5],  [1, 1, 1, 1, 1, 1, 1, 1],  [1, 13, 10, 10, 10, 12, 1, 1],  [1, 14, 5, 5, 5, 15, 1, 1],  [1, 1, 1, 1, 1, 1, 1, 1],  [1, 1, 1, 1, 1, 1, 1, 1],  [1, 1, 1, 1, 1, 1, 1, 1],  [10, 10, 10, 10, 10, 10, 10, 10]  ] | [  [5, 5, 5, 6, 4, 5, 5, 5],  [1, 1, 1, 8, 7, 1, 1, 1],  [1, 1, 1, 8, 7, 1, 1, 1],  [1, 1, 1, 8, 7, 1, 1, 1],  [1, 1, 1, 14, 15, 1, 1, 1],  [1, 1, 1, 1, 1, 1, 1, 1],  [1, 1, 1, 1, 1, 1, 1, 1],  [12, 1, 1, 1, 1, 1, 1, 13]  ] | [  [5, 5, 5, 5, 5, 5, 5, 5],  [1, 1, 1, 1, 1, 1, 1, 1],  [1, 1, 1, 1, 1, 1, 1, 1],  [1, 1, 1, 1, 1, 1, 1, 1],  [1, 1, 1, 1, 1, 1, 1, 1],  [1, 1, 1, 1, 1, 1, 1, 1],  [1, 1, 1, 1, 1, 1, 1, 1],  [12, 1, 1, 1, 1, 1, 1, 13]  ] | [  [5, 5, 5, 5, 5, 5, 5, 5],  [1, 1, 1, 1, 1, 1, 1, 1],  [1, 1, 1, 1, 1, 1, 1, 1],  [1, 1, 1, 1, 1, 1, 1, 1],  [1, 1, 1, 1, 1, 1, 1, 1],  [1, 1, 1, 1, 1, 1, 1, 1],  [1, 1, 1, 1, 1, 1, 1, 1],  [10, 10, 12, 1, 13, 10, 10, 10]  ] | [  [5, 5, 5, 5, 5, 5, 5, 6],  [1, 1, 1, 1, 1, 1, 16, 8],  [1, 1, 1, 1, 1, 1, 1, 8],  [1, 1, 1, 1, 1, 1, 1, 8],  [1, 1, 1, 1, 1, 1, 1, 8],  [1, 1, 1, 1, 1, 1, 1, 8],  [1, 1, 1, 1, 1, 1, 1, 8],  [12, 1, 1, 1, 1, 1, 1, 8]  ] |
| 1 | [  [7, 1, 1, 1, 1, 1, 1, 8],  [7, 1, 1, 1, 1, 1, 1, 8],  [7, 1, 1, 13, 12, 1, 1, 8],  [7, 1, 1, 14, 15, 1, 1, 8],  [7, 1, 1, 1, 1, 1, 1, 8],  [7, 1, 1, 1, 1, 1, 1, 8],  [7, 1, 1, 1, 1, 1, 1, 8],  [7, 1, 1, 1, 1, 1, 1, 8]  ] | [  [4, 5, 5, 5, 5, 15, 1, 14],  [7, 1, 1, 1, 1, 1, 1, 1],  [7, 1, 1, 1, 1, 1, 1, 1],  [7, 1, 1, 1, 1, 1, 1, 1],  [7, 1, 1, 1, 1, 1, 1, 1],  [7, 1, 1, 1, 1, 1, 1, 1],  [7, 1, 1, 1, 1, 1, 1, 1],  [9, 10, 10, 10, 10, 10, 10, 10]  ] | [  [5, 5, 5, 5, 5, 5, 5, 6],  [1, 1, 1, 1, 1, 1, 1, 8],  [1, 1, 1, 1, 1, 1, 1, 8],  [1, 1, 1, 1, 1, 1, 1, 8],  [1, 1, 1, 1, 1, 1, 1, 8],  [1, 1, 1, 1, 1, 1, 1, 8],  [1, 1, 1, 1, 1, 1, 1, 8],  [10, 10, 10, 10, 10, 10, 10, 11]  ] | [  [7, 1, 1, 1, 1, 1, 1, 8],  [7, 1, 1, 1, 1, 1, 1, 8],  [7, 1, 1, 1, 1, 1, 1, 8],  [7, 1, 1, 1, 1, 1, 1, 8],  [7, 1, 1, 1, 1, 1, 1, 8],  [7, 1, 1, 1, 1, 1, 1, 8],  [7, 1, 1, 1, 1, 1, 1, 8],  [7, 1, 1, 1, 1, 1, 1, 8]  ] | [  [7, 1, 1, 1, 1, 1, 1, 8],  [7, 1, 1, 1, 1, 1, 1, 8],  [7, 1, 1, 1, 1, 1, 1, 8],  [7, 1, 1, 1, 1, 1, 1, 8],  [9, 12, 1, 1, 1, 1, 13, 11],  [4, 15, 1, 1, 1, 1, 14, 6],  [7, 1, 1, 1, 1, 1, 1, 8],  [7, 1, 1, 1, 1, 1, 1, 8]  ] | [  [4, 5, 15, 1, 14, 5, 5, 6],  [7, 1, 1, 1, 1, 1, 1, 8],  [7, 1, 1, 1, 1, 1, 1, 8],  [7, 1, 1, 1, 1, 1, 1, 8],  [7, 1, 1, 1, 1, 1, 1, 8],  [7, 1, 1, 1, 1, 1, 1, 8],  [7, 1, 1, 1, 1, 1, 1, 8],  [7, 1, 1, 1, 1, 1, 1, 8]  ] | [  [7, 1, 1, 1, 1, 1, 1, 8],  [7, 1, 1, 1, 1, 1, 1, 8],  [7, 1, 1, 1, 1, 1, 1, 8],  [7, 1, 1, 1, 1, 1, 1, 8],  [7, 1, 1, 1, 1, 1, 1, 8],  [7, 1, 1, 1, 1, 1, 1, 8],  [7, 1, 1, 1, 1, 1, 1, 8],  [7, 1, 1, 1, 1, 1, 1, 8]  ] |
| 2 | [  [7, 1, 1, 1, 1, 1, 1, 8],  [7, 1, 1, 1, 1, 1, 1, 8],  [7, 1, 1, 1, 1, 1, 1, 8],  [7, 1, 1, 1, 1, 1, 1, 8],  [7, 1, 1, 1, 1, 1, 1, 8],  [7, 1, 1, 1, 1, 1, 1, 8],  [7, 1, 1, 1, 1, 1, 1, 8],  [7, 1, 1, 1, 1, 1, 1, 8]  ] | [  [4, 5, 5, 5, 5, 5, 5, 6],  [7, 1, 1, 1, 1, 1, 1, 8],  [7, 1, 1, 1, 1, 1, 1, 8],  [7, 1, 1, 1, 1, 1, 1, 14],  [7, 1, 1, 1, 1, 1, 1, 1],  [7, 1, 1, 1, 1, 1, 1, 13],  [7, 1, 1, 1, 1, 1, 1, 8],  [9, 10, 10, 10, 10, 10, 10, 11]  ] | [  [4, 5, 5, 5, 5, 5, 5, 6],  [7, 1, 1, 1, 1, 1, 1, 8],  [7, 1, 1, 1, 1, 1, 1, 8],  [15, 1, 1, 1, 1, 1, 1, 14],  [1, 1, 1, 1, 1, 1, 1, 1],  [12, 1, 1, 1, 1, 1, 1, 13],  [7, 1, 1, 1, 1, 1, 1, 8],  [9, 10, 10, 10, 10, 10, 10, 11]  ] | [  [7, 1, 1, 1, 1, 1, 1, 8],  [7, 1, 1, 1, 1, 1, 1, 8],  [7, 1, 1, 1, 1, 1, 1, 8],  [15, 1, 1, 1, 1, 1, 1, 8],  [1, 1, 1, 1, 1, 1, 1, 8],  [12, 1, 1, 1, 1, 1, 1, 8],  [7, 1, 1, 1, 1, 1, 1, 8],  [9, 10, 10, 12, 1, 13, 10, 11]  ] | [  [7, 1, 1, 1, 1, 1, 1, 8],  [7, 1, 1, 1, 1, 1, 1, 8],  [7, 1, 1, 1, 1, 1, 1, 8],  [7, 1, 1, 1, 1, 1, 1, 8],  [7, 1, 1, 1, 1, 1, 1, 8],  [7, 1, 1, 1, 1, 1, 1, 8],  [7, 1, 1, 1, 1, 17, 1, 8],  [9, 10, 10, 12, 1, 13, 10, 11]  ] | [  [7, 1, 1, 1, 1, 1, 1, 8],  [7, 1, 1, 1, 1, 1, 1, 8],  [7, 1, 1, 1, 1, 1, 1, 8],  [7, 1, 1, 1, 1, 1, 1, 8],  [7, 1, 1, 1, 1, 1, 1, 8],  [7, 1, 1, 1, 1, 1, 1, 8],  [7, 1, 1, 1, 1, 1, 1, 8],  [9, 10, 10, 10, 10, 10, 10, 11]  ] | [  [7, 1, 1, 1, 1, 1, 1, 8],  [7, 1, 1, 1, 1, 1, 1, 8],  [9, 10, 10, 10, 10, 12, 1, 8],  [4, 5, 5, 5, 5, 15, 1, 8],  [7, 1, 1, 1, 1, 1, 1, 8],  [7, 1, 1, 13, 10, 10, 10, 11],  [7, 1, 1, 14, 5, 5, 5, 6],  [7, 1, 1, 1, 1, 1, 1, 8]  ] |
| 3 | [  [7, 1, 1, 1, 1, 1, 1, 8],  [7, 1, 1, 1, 1, 1, 1, 8],  [9, 10, 12, 1, 1, 13, 10, 11],  [4, 5, 15, 1, 1, 14, 5, 6],  [7, 1, 1, 1, 1, 1, 1, 8],  [7, 1, 1, 1, 1, 1, 1, 8],  [7, 1, 1, 1, 1, 17, 1, 8],  [7, 0, 0, 0, 0, 0, 0, 8]  ] | N/A | [4, 5, 5, 5, 5, 5, 5, 6],  [7, 1, 1, 1, 1, 1, 1, 8],  [7, 1, 1, 1, 1, 1, 1, 14],  [7, 1, 1, 17, 16, 1, 1, 1],  [7, 1, 1, 1, 1, 1, 1, 13],  [7, 1, 1, 1, 1, 1, 1, 8],  [7, 1, 1, 1, 1, 17, 1, 8],  [9, 10, 10, 10, 10, 10, 10, 11]  ] | [  [4, 5, 5, 15, 1, 14, 5, 6],  [7, 1, 1, 1, 1, 1, 18, 8],  [15, 1, 1, 1, 1, 1, 1, 8],  [1, 1, 1, 1, 1, 1, 1, 8],  [12, 1, 1, 1, 1, 1, 1, 8],  [7, 1, 1, 1, 1, 1, 1, 8],  [7, 1, 1, 1, 1, 17, 16, 8],  [9, 10, 10, 12, 1, 13, 10, 11]  ] | [  [4, 5, 5, 15, 1, 14, 5, 6],  [7, 18, 1, 1, 1, 1, 1, 8],  [7, 17, 1, 1, 1, 1, 1, 14],  [7, 1, 1, 1, 1, 1, 1, 1],  [7, 1, 1, 1, 1, 1, 1, 13],  [7, 1, 1, 1, 1, 1, 1, 8],  [7, 1, 1, 1, 1, 17, 1, 8],  [9, 10, 10, 10, 10, 10, 10, 11]  ] | [  [4, 5, 5, 5, 5, 5, 5, 6],  [7, 18, 1, 1, 1, 1, 1, 8],  [15, 17, 1, 1, 1, 1, 1, 14],  [1, 1, 1, 1, 1, 1, 1, 1],  [12, 1, 1, 1, 13, 12, 1, 13],  [7, 1, 1, 1, 8, 7, 1, 8],  [7, 1, 1, 1, 8, 7, 1, 8],  [9, 10, 10, 10, 11, 9, 10, 11]  ] | [  [7, 1, 1, 1, 1, 1, 1, 8],  [7, 1, 1, 1, 1, 1, 1, 8],  [7, 1, 1, 1, 1, 1, 1, 8],  [1, 1, 1, 1, 1, 1, 1, 8],  [7, 1, 1, 1, 1, 1, 1, 8],  [7, 1, 1, 1, 1, 1, 1, 8],  [7, 1, 1, 1, 1, 1, 1, 8],  [7, 1, 1, 1, 1, 1, 1, 8]  ] |
| 4 | [  [7, 1, 1, 1, 1, 1, 1, 8],  [7, 1, 1, 1, 1, 1, 1, 8],  [7, 17, 1, 1, 1, 1, 1, 14],  [7, 1, 1, 1, 1, 1, 1, 1],  [7, 1, 1, 1, 1, 1, 1, 13],  [7, 1, 1, 1, 1, 1, 1, 8],  [7, 1, 1, 1, 1, 1, 1, 8],  [7, 1, 1, 1, 1, 1, 1, 8]  ] | [  [4, 5, 5, 6, 4, 5, 5, 6],  [7, 1, 1, 8, 7, 1, 1, 8],  [15, 17, 1, 8, 7, 1, 1, 8],  [1, 1, 1, 8, 7, 1, 1, 8],  [12, 1, 1, 8, 7, 1, 1, 8],  [7, 1, 1, 14, 15, 1, 1, 8],  [7, 1, 1, 1, 1, 1, 1, 8],  [9, 10, 10, 10, 10, 10, 10, 11]  ] | [  [4, 5, 5, 5, 5, 5, 5, 6],  [7, 1, 1, 1, 1, 1, 1, 8],  [9, 10, 10, 10, 10, 12, 1, 8],  [4, 5, 5, 5, 5, 15, 1, 8],  [7, 1, 1, 1, 1, 1, 1, 8],  [7, 1, 1, 1, 1, 1, 1, 14],  [7, 1, 1, 1, 1, 1, 1, 1],  [7, 1, 13, 10, 10, 10, 10, 10]  ] | [  [4, 5, 5, 15, 1, 14, 5, 6],  [7, 1, 1, 1, 1, 1, 1, 8],  [7, 1, 1, 1, 1, 1, 1, 8],  [7, 1, 1, 1, 1, 1, 1, 8],  [7, 1, 1, 1, 1, 1, 1, 8],  [15, 1, 1, 1, 1, 1, 1, 8],  [1, 1, 1, 1, 1, 1, 1, 8],  [12, 1, 1, 1, 1, 1, 1, 8]  ] | [  [4, 5, 5, 5, 5, 5, 5, 5],  [7, 1, 1, 1, 1, 1, 1, 1],  [7, 1, 1, 1, 1, 1, 1, 1],  [7, 1, 1, 1, 4, 5, 5, 5],  [7, 1, 1, 1, 9, 10, 10, 10],  [7, 1, 1, 1, 1, 1, 1, 1],  [7, 1, 1, 1, 1, 1, 1, 1],  [9, 10, 10, 12, 1, 13, 10, 10]  ] | [  [5, 5, 5, 5, 5, 5, 5, 6],  [1, 1, 1, 1, 1, 1, 1, 8],  [1, 1, 1, 1, 1, 1, 1, 8],  [5, 5, 5, 5, 6, 1, 1, 14],  [10, 10, 10, 10, 11, 1, 1, 1],  [1, 1, 1, 1, 1, 1, 1, 13],  [1, 1, 1, 1, 1, 1, 1, 8],  [10, 10, 10, 10, 10, 10, 10, 11]  ] | [  [7, 1, 1, 1, 1, 1, 1, 8],  [7, 1, 1, 1, 1, 1, 1, 8],  [7, 1, 1, 1, 1, 1, 1, 8],  [15, 1, 1, 1, 1, 1, 1, 8],  [1, 1, 1, 1, 1, 1, 1, 8],  [12, 1, 1, 1, 1, 1, 1, 8],  [7, 1, 1, 1, 1, 1, 1, 8],  [7, 1, 1, 1, 1, 1, 1, 8]  ] |
| 5 | [  [7, 1, 1, 1, 1, 1, 1, 8],  [7, 1, 1, 1, 1, 1, 1, 8],  [7, 1, 1, 1, 1, 1, 1, 8],  [7, 1, 1, 13, 10, 10, 10, 11],  [7, 1, 1, 14, 5, 5, 5, 6],  [7, 1, 1, 1, 1, 1, 1, 14],  [7, 1, 1, 1, 1, 1, 1, 1],  [7, 1, 1, 1, 1, 1, 1, 13]  ] | [  [4, 5, 5, 5, 5, 5, 5, 6],  [7, 1, 1, 1, 1, 0, 1, 8],  [7, 1, 1, 1, 13, 12, 1, 8],  [7, 1, 1, 16, 8, 7, 1, 8],  [7, 18, 1, 1, 8, 9, 10, 11],  [15, 1, 1, 1, 14, 5, 5, 5],  [1, 1, 1, 1, 1, 1, 1, 1],  [10, 10, 10, 10, 10, 10, 10, 10]  ] | [  [7, 1, 14, 5, 5, 5, 5, 6],  [7, 1, 1, 1, 1, 0, 1, 8],  [7, 1, 1, 1, 1, 1, 1, 8],  [7, 1, 1, 13, 12, 1, 1, 8],  [7, 1, 1, 8, 7, 1, 1, 8],  [15, 1, 1, 8, 7, 1, 1, 8],  [1, 1, 1, 8, 7, 1, 16, 8],  [10, 10, 10, 11, 9, 10, 10, 11]  ] | [  [7, 1, 1, 1, 1, 1, 1, 14],  [7, 1, 1, 1, 1, 1, 1, 1],  [7, 1, 1, 13, 12, 1, 1, 1],  [7, 1, 1, 8, 7, 1, 1, 1],  [7, 1, 1, 8, 7, 1, 1, 1],  [7, 1, 1, 14, 15, 1, 1, 1],  [7, 1, 1, 1, 1, 1, 1, 1],  [7, 1, 1, 1, 1, 1, 1, 13]  ] | [  [5, 5, 5, 15, 1, 14, 5, 5],  [1, 1, 1, 1, 1, 0, 1, 1],  [1, 1, 1, 1, 1, 1, 1, 1],  [1, 1, 16, 1, 16, 1, 16, 1],  [1, 1, 1, 1, 1, 1, 1, 1],  [1, 1, 1, 1, 1, 1, 1, 1],  [1, 1, 1, 1, 1, 1, 1, 1],  [10, 10, 10, 10, 10, 10, 10, 10]  ] | [  [5, 5, 5, 5, 5, 5, 5, 5],  [1, 1, 1, 1, 1, 0, 1, 1],  [1, 1, 1, 1, 1, 1, 1, 1],  [1, 16, 1, 16, 1, 1, 1, 1],  [1, 1, 1, 1, 1, 1, 1, 1],  [1, 1, 1, 1, 1, 1, 1, 1],  [1, 1, 1, 1, 1, 1, 1, 1],  [10, 10, 10, 10, 10, 12, 0, 13]  ] | [  [15, 1, 1, 1, 1, 1, 1, 8],  [1, 1, 1, 1, 1, 0, 1, 8],  [1, 1, 1, 13, 10, 10, 10, 11],  [1, 1, 1, 14, 5, 5, 5, 6],  [1, 1, 1, 1, 1, 1, 1, 8],  [1, 1, 1, 1, 1, 1, 1, 8],  [1, 1, 1, 1, 1, 1, 1, 8],  [12, 1, 1, 1, 1, 1, 1, 8]  ] |
| 6 | [  [7, 1, 1, 1, 1, 1, 1, 14],  [7, 1, 1, 1, 1, 0, 1, 1],  [7, 1, 1, 1, 1, 1, 1, 1],  [7, 1, 1, 1, 1, 1, 1, 1],  [7, 1, 1, 1, 1, 1, 1, 1],  [7, 1, 1, 1, 1, 1, 1, 1],  [7, 1, 1, 1, 1, 1, 1, 1],  [9, 10, 10, 10, 10, 10, 10, 10]  ] | [  [5, 5, 5, 5, 6, 4, 5, 5],  [1, 1, 1, 1, 8, 7, 1, 1],  [1, 1, 1, 1, 8, 7, 1, 1],  [1, 13, 12, 1, 8, 7, 1, 1],  [1, 8, 7, 1, 8, 7, 1, 1],  [1, 8, 7, 1, 14, 15, 1, 1],  [1, 8, 7, 1, 1, 1, 1, 1],  [10, 11, 9, 10, 10, 10, 10, 10]  ] | [  [5, 5, 5, 6, 4, 5, 5, 5],  [1, 1, 1, 8, 7, 1, 1, 1],  [1, 1, 1, 8, 7, 1, 1, 1],  [1, 1, 1, 14, 15, 1, 1, 1],  [1, 1, 1, 1, 1, 1, 1, 1],  [1, 1, 1, 13, 12, 1, 1, 1],  [1, 1, 1, 8, 7, 1, 1, 1],  [10, 10, 10, 11, 9, 10, 10, 10]  ] | [  [15, 1, 1, 1, 1, 1, 1, 8],  [1, 1, 1, 1, 1, 1, 1, 8],  [1, 1, 1, 1, 1, 1, 1, 8],  [1, 1, 1, 1, 1, 1, 1, 8],  [1, 1, 1, 1, 1, 1, 1, 8],  [1, 1, 1, 1, 1, 1, 1, 8],  [1, 1, 1, 1, 1, 1, 1, 8],  [10, 10, 10, 10, 10, 10, 10, 11]  ] | [  [4, 5, 5, 6, 4, 5, 5, 5],  [7, 1, 1, 8, 7, 1, 1, 1],  [7, 1, 1, 14, 15, 1, 1, 1],  [7, 1, 1, 1, 1, 1, 1, 1],  [7, 1, 1, 1, 1, 1, 1, 1],  [7, 1, 1, 13, 12, 1, 1, 1],  [7, 1, 1, 8, 7, 1, 1, 1],  [9, 10, 10, 11, 9, 10, 10, 10]  ] | [  [5, 5, 5, 6, 4, 15, 1, 8],  [1, 1, 1, 8, 7, 1, 1, 8],  [1, 1, 1, 14, 15, 1, 1, 8],  [1, 1, 1, 1, 1, 1, 1, 8],  [1, 1, 1, 1, 1, 1, 1, 14],  [1, 1, 1, 13, 12, 1, 1, 1],  [1, 1, 1, 8, 7, 1, 1, 13],  [10, 10, 10, 11, 9, 10, 10, 11]  ] | [  [7, 1, 1, 1, 1, 1, 1, 8],  [7, 1, 1, 1, 1, 1, 1, 8],  [7, 1, 1, 1, 1, 1, 1, 8],  [7, 1, 1, 1, 1, 1, 1, 8],  [15, 1, 1, 1, 1, 1, 1, 8],  [1, 1, 1, 1, 1, 1, 1, 8],  [12, 1, 1, 1, 1, 1, 16, 8],  [9, 10, 10, 10, 10, 10, 10, 11]  ] |