|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| input | W  0 | D  1 | L  2 | +  3 | -  4 | =  5 | !  6 | /  7 | )  8 | (  9 | }  10 | {  11 | >  12 | <  13 | .  14 | ; | , | & | | | % | \* | \_ | ‘ | “ | \n |
| #State 0 | 8 | 1 | 5 | 10 | 14 | 18 | 21 | 24 | 45 | 43 | 49 | 47 | 37 | 40 | N | 51 | 53 | 57 | 60 | 63 | 34 | N | 66 | 68 | 8 |
| #State 1 | 4 | 1 | 70 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 2 | 4 | 4 | 4 | 4 | 4 | 4 | 70 | 70 | 70 | 4 |
| #State 2 | 70 | 3 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 4 |
| #State 3 | 4 | 3 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 4 |
| #State 4  digit | F |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| #State 5 | 7 | 6 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 70 | 7 | 7 | 7 | 7 | 7 | 7 | 5 |  |  | 7 |
| #State 6 | 7 | 6 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 70 | 7 | 7 | 7 | 7 | 7 | 7 | 5 |  |  | 7 |
| #State 7  letter | F |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| #State 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 |
| #State 9  White space | F |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| #State 10  + | 13 | 13 | 13 | 11 | 70 | 12 | 70 | 70 | 70 | 13 | 70 | 70 | 70 | 70 | 70 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 70 | 70 | 13 |
| #State 11  ++ | 13 | 70 | 13 | 70 | 70 | 13 | 13 | 13 | 13 | 70 | 70 | 70 | 13 | 13 | 70 | 13 | 70 | 70 | 13 | 13 | 13 | 13 | 70 | 70 | 13 |
| #State 12  += | 13 | 13 | 13 | 70 | 70 | 70 | 70 | 70 | 70 | 13 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 13 |
| #State 13 | F |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| #State 14  - | 17 | 17 | 17 | 15 | 70 | 16 | 70 | 70 | 70 | 17 | 70 | 70 | 70 | 70 | 70 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 70. | 70 | 17 |
| #State 15  -- | 17 | 70 | 17 | 70 | 70 | 17 | 17 | 17 | 17 | 70 | 70 | 70 | 17 | 17 | 70 | 17 | 70 | 70 | 17 | 17 | 17 | 17 | 70. | 70 | 17 |
| #State 16  -= | 17 | 17 | 17 | 70 | 70 | 70 | 70 | 70 | 70 | 17 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 17 |
| #State 17 | F |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| #State 18  = | 20 | 20 | 20 | 70 | 70 | 19 | 20 | 70 | 70 | 20 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 20 | 20 | 20 |
| #State 19  == | 20 | 20 | 20 | 70 | 70 | 70 | 20 | 70 | 70 | 20 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 20 | 20 | 20 |
| #State 20 | F |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| #State 21  ! | 23 | 23 | 23 | 70 | 70 | 22 | 70 | 70 | 70 | 23 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 23 |
| #State 22  != | 23 | 23 | 23 | 70 | 70 | 70 | 70 | 70 | 70 | 23 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 23 | 23 | 23 |
| #State 23 | F |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| #State 24 | 29 | 29 | 29 | 70 | 70 | 30 | 70 | 32 | 70 | 29 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 25 | 70 | 70 | 70 | 29 |
| #State 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 26 | 25 | 25 | 25 | 25 |
| #State 26 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 27  / | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 26 | 25 | 25 | 25 | 25 |
| #State 27 | 28. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| #State 28 C | F |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| #State 29  / | F |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| #State 30 /= | 31 | 31 | 31 | 70 | 70 | 70 | 70 | 70 | 70 | 31 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 31 |
| #State 31 | F |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| #State 32  // | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 |
| #State 33  C | F |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| #State 34  \* | 36 | 36 | 36 | 70 | 70 | 35 | 70 | 70 | 70 | 36 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 36 |
| #State 35  \*= | 36 | 36 | 36 | 70 | 70 | 70 | 70 | 70 | 70 | 36 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 36 |
| #State 36 | F |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| #State 37 | 39 | 39 | 39 | 70 | 70 | 38 | 70 | 70 | 70 | 39 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 39 |
| #State 38 | 39 | 39 | 39 | 70 | 70 | 70 | 70 | 70 | 70 | 39 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 39 |
| #State 39 | F. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| #State 40 | 42 | 42 | 42 | 70 | 70 | 43 | 70 | 70 | 70 | 42 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 42 |
| #State 41 | 42 | 42 | 42 | 70 | 70 | 70 | 70 | 70 | 70 | 42 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 42 |
| #State 42 | F. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| #State 43 | 44 | 44 | 44 | 70 | 70 | 70 | 70 | 70 | 44 | 44 | 70 | 44 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 44 | 44 | 44 |
| #State 44 | F. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| #State 45 | 46 | 46 | 46 | 70 | 70 | 70 | 70 | 70 | 46 | 46 | 46 | 46 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 46 | 46 | 46 |
| #State 46 | F |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| #State 47 | 48 | 48 | 48 | 70 | 70 | 70 | 70 | 70 | 70 | 48 | 48 | 48 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 48 | 48 | 48 |
| #State 48  { | F. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| #State 49  } | 50 | 50 | 50 | 70 | 70 | 70 | 70 | 70 | 50 | 70 | 50 | 50 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 50 | 50 | 50 |
| #State 50 | F. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| #State 51  ; | 51 | 51 | 51 | 70 | 70 | 70 | 70 | 70 | 70 | 51 | 51 | 70 | 70 | 70 | 70 | 50 | 70 | 70 | 70 | 70 | 70 | 70 | 52 | 52 | 52 |
| #State 52 | F. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| #State 53  , | 54 | 54 | 54 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 54 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 54 | 54 | 54 |
| #State 54 | F |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| #State 55 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| #State 56 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| #State 57  & | 59 | 59 | 59 | 70 | 70 | 70 | 70 | 70 | 70 | 59 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 58 | 70 | 70 | 70 | 70 | 70 | 70 | 59 |
| #State 58  && | 59 | 59 | 59 | 70 | 70 | 70 | 70 | 70 | 70 | 59 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 59 |
| #State 59 | F. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| #State 60  | | 62 | 62 | 62 | 70 | 70 | 70 | 70 | 70 | 70 | 62 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 62 |
| #State 61  || | 62 | 62 | 62 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 62 |
| #State 62 | F. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| #State 63  % | 65 | 65 | 65 | 70 | 70 | 64 | 70 | 70 | 70 | 65 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 65 |
| #State 64  %= | 65 | 65 | 65 | 70 | 70 | 70 | 70 | 70 | 70 | 65 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 65 |
| #State 65 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| #State 66 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 |
| #State 67 | F |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| #State 68 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 |
| #State 69 | F |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| #State 70 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |