

PIC-MICROCONTROLLER AND OUTPUT BITS

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On behalf of The World Association of Technology Teachers

W.A.T.T.



World Association of Technology Teachers

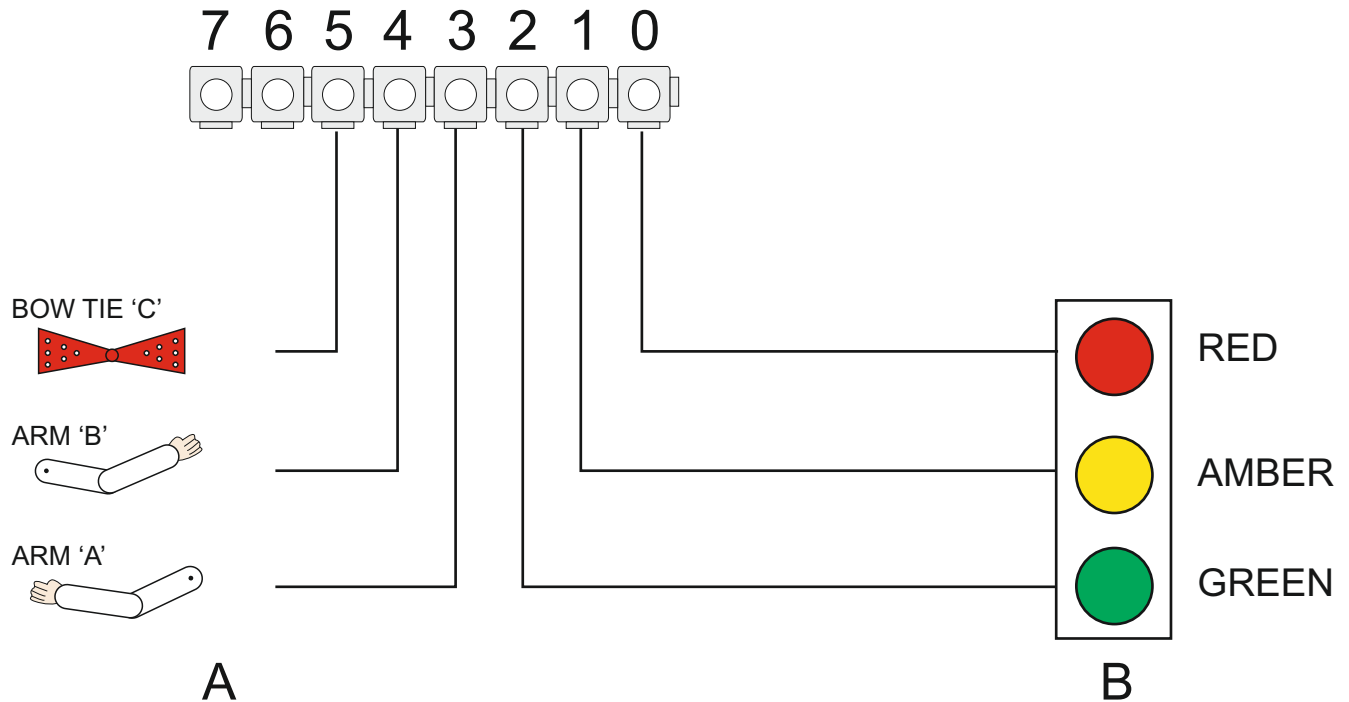
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The theme park owner wants the animatronic clown to follow the sequence outlined below.

- ^ rm A rises and then falls back in position.
- The RED LED lights and stays on.
- The AMBER LED lights and stays on.
- The Green LED lights and stays on.
- All Lights turn off.
- The bow tie revolves whilst ARM B rises.
- The bow tie stops and arm B falls.



Complete the table below to show the output bit pattern when the sequence stated above is carried out. Alongside each output bit, write the command that is taking place. The first stage is already written in position.

OUTPUT BITS

7	6	5	4	3	2	1	0

Arm A rises and then falls back in position.
