Simulated Acceleration

Challenge Description
Simulate acceleration by having the robot move at \( \frac{1}{4} \) power for 1 second, followed by \( \frac{1}{2} \) power for 1 second, then \( \frac{3}{4} \) power for 1 second, and finally full power for 1 second before stopping.

Fill in the following table using the actual ROBOTC values:

<table>
<thead>
<tr>
<th></th>
<th>Full Power</th>
<th>3/4 Power</th>
<th>1/2 Power</th>
<th>1/4 Power</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Describe what the following ROBOTC Commands do:

```
bMotorReflected[port2] = 1;
motor[port4] = 30;
wait1Msec(4000);
```

Write your code in the space below, use the back of the paper if you need to. Use the pseudocode outline on the right to structure your code.

```c
task main()
{
  // Pseudocode
  1. Motors forward @ 1/4 power
  2. Wait 1 second
  3. Motors forward @ 1/2 power
  4. Wait 1 second
  5. Motors forward @ 3/4 power
  6. Wait 1 second
  7. Motors forward @ full power
  8. Wait 1 second
}
```