# Black Box Testing

# White Box Testing

## Testing of Motor Module

### Data Flow Testing

Data Flow Graph of Motor Module

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According to data flow technique, there is no problem because there are du(define-use which is normal), uu(use-use which is acceptable), and uk(use-kill which is normal).

### Control Flow Testing

“100% decision coverage” is used for motor module.

|  |  |  |
| --- | --- | --- |
| Test Case 1 : |  | Expected Output |
| Serial.available() = true, | value=2 | Calling motorInc(); |
|  |  |  |
| Test Case 2 : |  | Expected Output |
| Serial.available() = true, | value=1 | Calling motorZeroLevel(); |
|  |  |  |
| Test Case 3: |  | Expected Output |
| Serial.available() = true, | value=0 | Calling motorStop(); |
|  |  |  |
| Test Case 4: | Expected Output |  |
| Serial.available() = false | signal to computer |  |
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