**Vehicle Monitoring System**

**Test Cases:**

| **Input (Voltage)** | **Output (Analog Signal)** |
| --- | --- |
| **0** | **0** |
| **0.43** | **0001** |
| **0.85** | **0003** |
| **1.2** | **0004** |
| **1.59** | **0005** |
| **2.36** | **0008** |
| **2.82** | **0010** |
| **3.83** | **0012** |
| **4.11** | **0012** |
| **5** | **0012** |