**TEST CASE 1**

| **INPUT** | **OUTPUT** |
| --- | --- |
| **2 8 4**  **1 4 2** | **parallel** |

**TEST CASE 2**

| **INPUT** | **OUTPUT** |
| --- | --- |
| **1 2 3**  **2 4 6** | **parallel** |

**TEST CASE 3**

| **INPUT** | **OUTPUT** |
| --- | --- |
| **1 -10 0**  **10 1 0** | **perpendicular** |

**TEST CASE 4**

| **INPUT** | **OUTPUT** |
| --- | --- |
| **5 3 4**  **2 1 6** | **none** |

**TEST CASE 5**

| **INPUT** | **OUTPUT** |
| --- | --- |
| **2 0 1**  **3 0 -6** | **perpendicular** |

**TEST CASE 6**

| **INPUT** | **OUTPUT** |
| --- | --- |
| **65 -48 34**  **-23 64 -45** | **none** |

**TEST CASE 7**

| **INPUT** | **OUTPUT** |
| --- | --- |
| **-37 45 49**  **-74 90 98** | **parallel** |

**TEST CASE 8**

| **INPUT** | **OUTPUT** |
| --- | --- |
| **-63 -89 -91**  **000 -41 -67** | **none** |

**TEST CASE 9**

| **INPUT** | **OUTPUT** |
| --- | --- |
| **99 0 100**  **-99 0 -100** | **parallel** |

**TEST CASE 10**

| **INPUT** | **OUTPUT** |
| --- | --- |
| **64 86 49**  **32 43 98** | **none** |