Mark Godfrey C. Mamauag

BSCPE 2-2

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| **Path** | **Length** |
| {1,2} | 1 |
| {1,2,4} | 2 |
| {1,5,6} | 2 |
| {2,1} | 1 |
| {2,4} | 1 |
| {5,4} | 1 |
| {5,6} | 1 |
| {5,6,1} | 2 |
| {5,6,1,2} | 3 |
| {5,6,1,2,4} | 4 |
| {6,3} | 1 |
| {6,1,2} | 2 |
| {6,1,2,4} | 3 |

**Simple Path:** {1,2,4},{1,5,6},{2,1},{2,4},{5,4},{5,6,1,2,4},{6,3},{6,1,2,4}

**Simple Cycle:** {2,1,5,6,1,2},{1,5,6,1},{1,2,1},{2,1,2}