**Basis Path Testing**

**Flowchart:**

Diagram

Description automatically generated

**Flow Graph:**

Diagram

Description automatically generated

**Independent paths / Test Cases:**

I will add description per path

Path 1: 1-3

Path 2: 1-2-3

Path 3: 1-2-4-27

Path 4: 1-2-4-5-12-13-14-12 Loop

Path 5: 1-2-4-5-12-15-16-13-14-12 Loop

Path 6: 1-2-4-5-12-15-16-17-18-19-20-21-23-24-26-4 Loop

Path 8: 1-2-4-5-12-15-16-17-18-19-20-21-23-24-26-27

Path 9: 1-2-4-5-12-15-16-17-18-19-20-21-23-25-26-4 Loop

Path 10: 1-2-4-5-12-15-16-17-18-19-20-21-23-25-26-27

Path 11: 1-2-4-5-12-15-16-17-18-19-20-22-23-24-26-4 Loop

Path 12: 1-2-4-5-12-15-16-17-18-19-20-22-23-24-26-27

Path 13: 1-2-4-5-12-15-16-17-18-19-20-22-23-25-26-4 Loop

Path 14: 1-2-4-5-12-15-16-17-18-19-20-22-23-25-26-27

Path 15: 1-2-4-6-12-13-14-12 Loop

Path 16: 1-2-4-6-12-15-16-13-14-12 Loop

Path 17: 1-2-4-6-12-15-16-17-18-19-20-21-23-24-26-4 Loop

Path 18: 1-2-4-6-12-15-16-17-18-19-20-21-23-24-26-27

Path 19: 1-2-4-6-12-15-16-17-18-19-20-21-23-25-26-4 Loop

Path 20: 1-2-4-6-12-15-16-17-18-19-20-21-23-25-26-27

Path 21: 1-2-4-6-12-15-16-17-18-19-20-22-23-24-26-4 Loop

Path 22: 1-2-4-6-12-15-16-17-18-19-20-22-23-24-26-27

Path 23: 1-2-4-6-12-15-16-17-18-19-20-22-23-25-26-4 Loop

Path 24: 1-2-4-6-12-15-16-17-18-19-20-22-23-25-26-27

Path 25: 1-2-4-7-11-26-4 Loop

Path 26: 1-2-4-7-11-26-27

Path 27: 1-2-4-8-11-26-4 Loop

Path 28: 1-2-4-8-11-26-27

Path 29: 1-2-4-9-11-26-4 Loop

Path 30: 1-2-4-9-11-26-27

Path 31: 1-2-4-10-11-26-4 Loop

Path 32: 1-2-4-10-11-26-27