**MRLC\_List (fir1.dot)**

========================================

------------- FILES -------------

1: hal.dot

2: fir1.dot

3: cosine1.dot

4: cosine2.dot

5: Any other .dot file

========================================

Enter the file option: 2

========================================

------------- ALGORITHMS -------------

1: MLRC\_ILP

2: MRLC\_ILP

3: MLRC\_List

4: MRLC\_List

========================================

Enter Option: 4

========================================

Nodes associated with Operations = [['40', '39', '38', '37', '36', '35', '34', '33'], ['42', '43', '26', '20', '23', '46', '47', '44', '45', '29', '41', '11', '14', '17', '32'], ['48']]

Unique Resource Types = ['mul', 'add', 'exp']

================================================================================

MRLC\_List: Minimum Latency: 210

Enter Latency: 210

Nodes with no valid Scheduled Predecessor = ['46', '47', '45', '48', '49']

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['44']

Nodes with Predecessor Still Busy = ['44']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [['40', '39'], ['43'], []]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['48', '46', '47', '44', '45', '49']

-------------------------End of t = 104-------------------------

-------------------------Start of t = 105-------------------------

Un-scheduled Nodes = ['48', '46', '47', '44', '45', '49']

Nodes before deletion = ['48', '46', '47', '44', '45', '49']

Nodes with no valid Scheduled Predecessor = ['46', '47', '45', '48', '49']

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['44']

Nodes with Predecessor Still Busy = ['44']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [['40', '39'], ['43'], []]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['48', '46', '47', '44', '45', '49']

-------------------------End of t = 105-------------------------

-------------------------Start of t = 106-------------------------

Un-scheduled Nodes = ['48', '46', '47', '44', '45', '49']

Nodes before deletion = ['48', '46', '47', '44', '45', '49']

Nodes with no valid Scheduled Predecessor = ['46', '47', '45', '48', '49']

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['44']

Nodes with Predecessor Still Busy = ['44']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [['40', '39'], ['43'], []]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['48', '46', '47', '44', '45', '49']

-------------------------End of t = 106-------------------------

-------------------------Start of t = 107-------------------------

Un-scheduled Nodes = ['48', '46', '47', '44', '45', '49']

Nodes before deletion = ['48', '46', '47', '44', '45', '49']

Nodes with no valid Scheduled Predecessor = ['46', '47', '45', '48', '49']

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['44']

Nodes with Predecessor Still Busy = ['44']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [['40', '39'], ['43'], []]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['48', '46', '47', '44', '45', '49']

-------------------------End of t = 107-------------------------

-------------------------Start of t = 108-------------------------

Un-scheduled Nodes = ['48', '46', '47', '44', '45', '49']

Nodes before deletion = ['48', '46', '47', '44', '45', '49']

Nodes with no valid Scheduled Predecessor = ['46', '47', '45', '48', '49']

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['44']

Nodes with Predecessor Still Busy = ['44']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [['40', '39'], ['43'], []]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['48', '46', '47', '44', '45', '49']

-------------------------End of t = 108-------------------------

-------------------------Start of t = 109-------------------------

Un-scheduled Nodes = ['48', '46', '47', '44', '45', '49']

Nodes before deletion = ['48', '46', '47', '44', '45', '49']

Nodes with no valid Scheduled Predecessor = ['46', '47', '45', '48', '49']

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['44']

Nodes with Predecessor Still Busy = ['44']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [['40', '39'], ['43'], []]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['48', '46', '47', '44', '45', '49']

-------------------------End of t = 109-------------------------

-------------------------Start of t = 110-------------------------

Un-scheduled Nodes = ['48', '46', '47', '44', '45', '49']

Nodes before deletion = ['48', '46', '47', '44', '45', '49']

Nodes with no valid Scheduled Predecessor = ['46', '47', '45', '48', '49']

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['44']

Nodes with Predecessor Still Busy = ['44']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [['40', '39'], ['43'], []]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['48', '46', '47', '44', '45', '49']

-------------------------End of t = 110-------------------------

-------------------------Start of t = 111-------------------------

Un-scheduled Nodes = ['48', '46', '47', '44', '45', '49']

Nodes before deletion = ['48', '46', '47', '44', '45', '49']

Nodes with no valid Scheduled Predecessor = ['46', '47', '45', '48', '49']

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['44']

Nodes with Predecessor Still Busy = []

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = ['44']

U = [[], ['44'], []]

B = [['40'], [], []]

S = [-1, [0], -1]

U\* = [[], ['44'], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = ['44']

Un-scheduled Nodes = ['48', '46', '47', '45', '49']

-------------------------End of t = 111-------------------------

-------------------------Start of t = 112-------------------------

Un-scheduled Nodes = ['48', '46', '47', '45', '49']

Nodes before deletion = ['48', '46', '47', '45', '49']

Nodes with no valid Scheduled Predecessor = ['46', '47', '48', '49']

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['45']

Nodes with Predecessor Still Busy = ['45']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [['40'], ['44'], []]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['48', '46', '47', '45', '49']

-------------------------End of t = 112-------------------------

-------------------------Start of t = 113-------------------------

Un-scheduled Nodes = ['48', '46', '47', '45', '49']

Nodes before deletion = ['48', '46', '47', '45', '49']

Nodes with no valid Scheduled Predecessor = ['46', '47', '48', '49']

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['45']

Nodes with Predecessor Still Busy = ['45']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [['40'], ['44'], []]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['48', '46', '47', '45', '49']

-------------------------End of t = 113-------------------------

-------------------------Start of t = 114-------------------------

Un-scheduled Nodes = ['48', '46', '47', '45', '49']

Nodes before deletion = ['48', '46', '47', '45', '49']

Nodes with no valid Scheduled Predecessor = ['46', '47', '48', '49']

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['45']

Nodes with Predecessor Still Busy = ['45']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [['40'], ['44'], []]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['48', '46', '47', '45', '49']

-------------------------End of t = 114-------------------------

-------------------------Start of t = 115-------------------------

Un-scheduled Nodes = ['48', '46', '47', '45', '49']

Nodes before deletion = ['48', '46', '47', '45', '49']

Nodes with no valid Scheduled Predecessor = ['46', '47', '48', '49']

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['45']

Nodes with Predecessor Still Busy = ['45']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [['40'], ['44'], []]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['48', '46', '47', '45', '49']

-------------------------End of t = 115-------------------------

-------------------------Start of t = 116-------------------------

Un-scheduled Nodes = ['48', '46', '47', '45', '49']

Nodes before deletion = ['48', '46', '47', '45', '49']

Nodes with no valid Scheduled Predecessor = ['46', '47', '48', '49']

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['45']

Nodes with Predecessor Still Busy = ['45']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [['40'], ['44'], []]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['48', '46', '47', '45', '49']

-------------------------End of t = 116-------------------------

-------------------------Start of t = 117-------------------------

Un-scheduled Nodes = ['48', '46', '47', '45', '49']

Nodes before deletion = ['48', '46', '47', '45', '49']

Nodes with no valid Scheduled Predecessor = ['46', '47', '48', '49']

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['45']

Nodes with Predecessor Still Busy = ['45']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [['40'], ['44'], []]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['48', '46', '47', '45', '49']

-------------------------End of t = 117-------------------------

-------------------------Start of t = 118-------------------------

Un-scheduled Nodes = ['48', '46', '47', '45', '49']

Nodes before deletion = ['48', '46', '47', '45', '49']

Nodes with no valid Scheduled Predecessor = ['46', '47', '48', '49']

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['45']

Nodes with Predecessor Still Busy = ['45']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [['40'], ['44'], []]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['48', '46', '47', '45', '49']

-------------------------End of t = 118-------------------------

-------------------------Start of t = 119-------------------------

Un-scheduled Nodes = ['48', '46', '47', '45', '49']

Nodes before deletion = ['48', '46', '47', '45', '49']

Nodes with no valid Scheduled Predecessor = ['46', '47', '48', '49']

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['45']

Nodes with Predecessor Still Busy = ['45']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [['40'], ['44'], []]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['48', '46', '47', '45', '49']

-------------------------End of t = 119-------------------------

-------------------------Start of t = 120-------------------------

Un-scheduled Nodes = ['48', '46', '47', '45', '49']

Nodes before deletion = ['48', '46', '47', '45', '49']

Nodes with no valid Scheduled Predecessor = ['46', '47', '48', '49']

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['45']

Nodes with Predecessor Still Busy = ['45']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [['40'], ['44'], []]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['48', '46', '47', '45', '49']

-------------------------End of t = 120-------------------------

-------------------------Start of t = 121-------------------------

Un-scheduled Nodes = ['48', '46', '47', '45', '49']

Nodes before deletion = ['48', '46', '47', '45', '49']

Nodes with no valid Scheduled Predecessor = ['46', '47', '48', '49']

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['45']

Nodes with Predecessor Still Busy = ['45']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [[], ['44'], []]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['48', '46', '47', '45', '49']

-------------------------End of t = 121-------------------------

-------------------------Start of t = 122-------------------------

Un-scheduled Nodes = ['48', '46', '47', '45', '49']

Nodes before deletion = ['48', '46', '47', '45', '49']

Nodes with no valid Scheduled Predecessor = ['46', '47', '48', '49']

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['45']

Nodes with Predecessor Still Busy = ['45']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [[], ['44'], []]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['48', '46', '47', '45', '49']

-------------------------End of t = 122-------------------------

-------------------------Start of t = 123-------------------------

Un-scheduled Nodes = ['48', '46', '47', '45', '49']

Nodes before deletion = ['48', '46', '47', '45', '49']

Nodes with no valid Scheduled Predecessor = ['46', '47', '48', '49']

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['45']

Nodes with Predecessor Still Busy = ['45']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [[], ['44'], []]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['48', '46', '47', '45', '49']

-------------------------End of t = 123-------------------------

-------------------------Start of t = 124-------------------------

Un-scheduled Nodes = ['48', '46', '47', '45', '49']

Nodes before deletion = ['48', '46', '47', '45', '49']

Nodes with no valid Scheduled Predecessor = ['46', '47', '48', '49']

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['45']

Nodes with Predecessor Still Busy = ['45']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [[], ['44'], []]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['48', '46', '47', '45', '49']

-------------------------End of t = 124-------------------------

-------------------------Start of t = 125-------------------------

Un-scheduled Nodes = ['48', '46', '47', '45', '49']

Nodes before deletion = ['48', '46', '47', '45', '49']

Nodes with no valid Scheduled Predecessor = ['46', '47', '48', '49']

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['45']

Nodes with Predecessor Still Busy = ['45']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [[], ['44'], []]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['48', '46', '47', '45', '49']

-------------------------End of t = 125-------------------------

-------------------------Start of t = 126-------------------------

Un-scheduled Nodes = ['48', '46', '47', '45', '49']

Nodes before deletion = ['48', '46', '47', '45', '49']

Nodes with no valid Scheduled Predecessor = ['46', '47', '48', '49']

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['45']

Nodes with Predecessor Still Busy = ['45']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [[], ['44'], []]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['48', '46', '47', '45', '49']

-------------------------End of t = 126-------------------------

-------------------------Start of t = 127-------------------------

Un-scheduled Nodes = ['48', '46', '47', '45', '49']

Nodes before deletion = ['48', '46', '47', '45', '49']

Nodes with no valid Scheduled Predecessor = ['46', '47', '48', '49']

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['45']

Nodes with Predecessor Still Busy = ['45']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [[], ['44'], []]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['48', '46', '47', '45', '49']

-------------------------End of t = 127-------------------------

-------------------------Start of t = 128-------------------------

Un-scheduled Nodes = ['48', '46', '47', '45', '49']

Nodes before deletion = ['48', '46', '47', '45', '49']

Nodes with no valid Scheduled Predecessor = ['46', '47', '48', '49']

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['45']

Nodes with Predecessor Still Busy = ['45']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [[], ['44'], []]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['48', '46', '47', '45', '49']

-------------------------End of t = 128-------------------------

-------------------------Start of t = 129-------------------------

Un-scheduled Nodes = ['48', '46', '47', '45', '49']

Nodes before deletion = ['48', '46', '47', '45', '49']

Nodes with no valid Scheduled Predecessor = ['46', '47', '48', '49']

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['45']

Nodes with Predecessor Still Busy = ['45']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [[], ['44'], []]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['48', '46', '47', '45', '49']

-------------------------End of t = 129-------------------------

-------------------------Start of t = 130-------------------------

Un-scheduled Nodes = ['48', '46', '47', '45', '49']

Nodes before deletion = ['48', '46', '47', '45', '49']

Nodes with no valid Scheduled Predecessor = ['46', '47', '48', '49']

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['45']

Nodes with Predecessor Still Busy = ['45']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [[], ['44'], []]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['48', '46', '47', '45', '49']

-------------------------End of t = 130-------------------------

-------------------------Start of t = 131-------------------------

Un-scheduled Nodes = ['48', '46', '47', '45', '49']

Nodes before deletion = ['48', '46', '47', '45', '49']

Nodes with no valid Scheduled Predecessor = ['46', '47', '48', '49']

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['45']

Nodes with Predecessor Still Busy = []

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = ['45']

U = [[], ['45'], []]

B = [[], [], []]

S = [-1, [0], -1]

U\* = [[], ['45'], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = ['45']

Un-scheduled Nodes = ['48', '46', '47', '49']

-------------------------End of t = 131-------------------------

-------------------------Start of t = 132-------------------------

Un-scheduled Nodes = ['48', '46', '47', '49']

Nodes before deletion = ['48', '46', '47', '49']

Nodes with no valid Scheduled Predecessor = ['47', '48', '49']

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['46']

Nodes with Predecessor Still Busy = ['46']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [[], ['45'], []]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['48', '46', '47', '49']

-------------------------End of t = 132-------------------------

-------------------------Start of t = 133-------------------------

Un-scheduled Nodes = ['48', '46', '47', '49']

Nodes before deletion = ['48', '46', '47', '49']

Nodes with no valid Scheduled Predecessor = ['47', '48', '49']

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['46']

Nodes with Predecessor Still Busy = ['46']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [[], ['45'], []]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['48', '46', '47', '49']

-------------------------End of t = 133-------------------------

-------------------------Start of t = 134-------------------------

Un-scheduled Nodes = ['48', '46', '47', '49']

Nodes before deletion = ['48', '46', '47', '49']

Nodes with no valid Scheduled Predecessor = ['47', '48', '49']

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['46']

Nodes with Predecessor Still Busy = ['46']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [[], ['45'], []]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['48', '46', '47', '49']

-------------------------End of t = 134-------------------------

-------------------------Start of t = 135-------------------------

Un-scheduled Nodes = ['48', '46', '47', '49']

Nodes before deletion = ['48', '46', '47', '49']

Nodes with no valid Scheduled Predecessor = ['47', '48', '49']

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['46']

Nodes with Predecessor Still Busy = ['46']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [[], ['45'], []]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['48', '46', '47', '49']

-------------------------End of t = 135-------------------------

-------------------------Start of t = 136-------------------------

Un-scheduled Nodes = ['48', '46', '47', '49']

Nodes before deletion = ['48', '46', '47', '49']

Nodes with no valid Scheduled Predecessor = ['47', '48', '49']

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['46']

Nodes with Predecessor Still Busy = ['46']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [[], ['45'], []]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['48', '46', '47', '49']

-------------------------End of t = 136-------------------------

-------------------------Start of t = 137-------------------------

Un-scheduled Nodes = ['48', '46', '47', '49']

Nodes before deletion = ['48', '46', '47', '49']

Nodes with no valid Scheduled Predecessor = ['47', '48', '49']

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['46']

Nodes with Predecessor Still Busy = ['46']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [[], ['45'], []]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['48', '46', '47', '49']

-------------------------End of t = 137-------------------------

-------------------------Start of t = 138-------------------------

Un-scheduled Nodes = ['48', '46', '47', '49']

Nodes before deletion = ['48', '46', '47', '49']

Nodes with no valid Scheduled Predecessor = ['47', '48', '49']

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['46']

Nodes with Predecessor Still Busy = ['46']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [[], ['45'], []]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['48', '46', '47', '49']

-------------------------End of t = 138-------------------------

-------------------------Start of t = 139-------------------------

Un-scheduled Nodes = ['48', '46', '47', '49']

Nodes before deletion = ['48', '46', '47', '49']

Nodes with no valid Scheduled Predecessor = ['47', '48', '49']

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['46']

Nodes with Predecessor Still Busy = ['46']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [[], ['45'], []]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['48', '46', '47', '49']

-------------------------End of t = 139-------------------------

-------------------------Start of t = 140-------------------------

Un-scheduled Nodes = ['48', '46', '47', '49']

Nodes before deletion = ['48', '46', '47', '49']

Nodes with no valid Scheduled Predecessor = ['47', '48', '49']

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['46']

Nodes with Predecessor Still Busy = ['46']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [[], ['45'], []]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['48', '46', '47', '49']

-------------------------End of t = 140-------------------------

-------------------------Start of t = 141-------------------------

Un-scheduled Nodes = ['48', '46', '47', '49']

Nodes before deletion = ['48', '46', '47', '49']

Nodes with no valid Scheduled Predecessor = ['47', '48', '49']

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['46']

Nodes with Predecessor Still Busy = ['46']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [[], ['45'], []]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['48', '46', '47', '49']

-------------------------End of t = 141-------------------------

-------------------------Start of t = 142-------------------------

Un-scheduled Nodes = ['48', '46', '47', '49']

Nodes before deletion = ['48', '46', '47', '49']

Nodes with no valid Scheduled Predecessor = ['47', '48', '49']

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['46']

Nodes with Predecessor Still Busy = ['46']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [[], ['45'], []]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['48', '46', '47', '49']

-------------------------End of t = 142-------------------------

-------------------------Start of t = 143-------------------------

Un-scheduled Nodes = ['48', '46', '47', '49']

Nodes before deletion = ['48', '46', '47', '49']

Nodes with no valid Scheduled Predecessor = ['47', '48', '49']

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['46']

Nodes with Predecessor Still Busy = ['46']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [[], ['45'], []]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['48', '46', '47', '49']

-------------------------End of t = 143-------------------------

-------------------------Start of t = 144-------------------------

Un-scheduled Nodes = ['48', '46', '47', '49']

Nodes before deletion = ['48', '46', '47', '49']

Nodes with no valid Scheduled Predecessor = ['47', '48', '49']

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['46']

Nodes with Predecessor Still Busy = ['46']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [[], ['45'], []]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['48', '46', '47', '49']

-------------------------End of t = 144-------------------------

-------------------------Start of t = 145-------------------------

Un-scheduled Nodes = ['48', '46', '47', '49']

Nodes before deletion = ['48', '46', '47', '49']

Nodes with no valid Scheduled Predecessor = ['47', '48', '49']

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['46']

Nodes with Predecessor Still Busy = ['46']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [[], ['45'], []]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['48', '46', '47', '49']

-------------------------End of t = 145-------------------------

-------------------------Start of t = 146-------------------------

Un-scheduled Nodes = ['48', '46', '47', '49']

Nodes before deletion = ['48', '46', '47', '49']

Nodes with no valid Scheduled Predecessor = ['47', '48', '49']

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['46']

Nodes with Predecessor Still Busy = ['46']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [[], ['45'], []]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['48', '46', '47', '49']

-------------------------End of t = 146-------------------------

-------------------------Start of t = 147-------------------------

Un-scheduled Nodes = ['48', '46', '47', '49']

Nodes before deletion = ['48', '46', '47', '49']

Nodes with no valid Scheduled Predecessor = ['47', '48', '49']

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['46']

Nodes with Predecessor Still Busy = ['46']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [[], ['45'], []]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['48', '46', '47', '49']

-------------------------End of t = 147-------------------------

-------------------------Start of t = 148-------------------------

Un-scheduled Nodes = ['48', '46', '47', '49']

Nodes before deletion = ['48', '46', '47', '49']

Nodes with no valid Scheduled Predecessor = ['47', '48', '49']

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['46']

Nodes with Predecessor Still Busy = ['46']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [[], ['45'], []]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['48', '46', '47', '49']

-------------------------End of t = 148-------------------------

-------------------------Start of t = 149-------------------------

Un-scheduled Nodes = ['48', '46', '47', '49']

Nodes before deletion = ['48', '46', '47', '49']

Nodes with no valid Scheduled Predecessor = ['47', '48', '49']

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['46']

Nodes with Predecessor Still Busy = ['46']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [[], ['45'], []]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['48', '46', '47', '49']

-------------------------End of t = 149-------------------------

-------------------------Start of t = 150-------------------------

Un-scheduled Nodes = ['48', '46', '47', '49']

Nodes before deletion = ['48', '46', '47', '49']

Nodes with no valid Scheduled Predecessor = ['47', '48', '49']

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['46']

Nodes with Predecessor Still Busy = ['46']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [[], ['45'], []]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['48', '46', '47', '49']

-------------------------End of t = 150-------------------------

-------------------------Start of t = 151-------------------------

Un-scheduled Nodes = ['48', '46', '47', '49']

Nodes before deletion = ['48', '46', '47', '49']

Nodes with no valid Scheduled Predecessor = ['47', '48', '49']

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['46']

Nodes with Predecessor Still Busy = []

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = ['46']

U = [[], ['46'], []]

B = [[], [], []]

S = [-1, [0], -1]

U\* = [[], ['46'], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = ['46']

Un-scheduled Nodes = ['48', '47', '49']

-------------------------End of t = 151-------------------------

-------------------------Start of t = 152-------------------------

Un-scheduled Nodes = ['48', '47', '49']

Nodes before deletion = ['48', '47', '49']

Nodes with no valid Scheduled Predecessor = ['48', '49']

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['47']

Nodes with Predecessor Still Busy = ['47']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [[], ['46'], []]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['48', '47', '49']

-------------------------End of t = 152-------------------------

-------------------------Start of t = 153-------------------------

Un-scheduled Nodes = ['48', '47', '49']

Nodes before deletion = ['48', '47', '49']

Nodes with no valid Scheduled Predecessor = ['48', '49']

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['47']

Nodes with Predecessor Still Busy = ['47']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [[], ['46'], []]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['48', '47', '49']

-------------------------End of t = 153-------------------------

-------------------------Start of t = 154-------------------------

Un-scheduled Nodes = ['48', '47', '49']

Nodes before deletion = ['48', '47', '49']

Nodes with no valid Scheduled Predecessor = ['48', '49']

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['47']

Nodes with Predecessor Still Busy = ['47']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [[], ['46'], []]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['48', '47', '49']

-------------------------End of t = 154-------------------------

-------------------------Start of t = 155-------------------------

Un-scheduled Nodes = ['48', '47', '49']

Nodes before deletion = ['48', '47', '49']

Nodes with no valid Scheduled Predecessor = ['48', '49']

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['47']

Nodes with Predecessor Still Busy = ['47']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [[], ['46'], []]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['48', '47', '49']

-------------------------End of t = 155-------------------------

-------------------------Start of t = 156-------------------------

Un-scheduled Nodes = ['48', '47', '49']

Nodes before deletion = ['48', '47', '49']

Nodes with no valid Scheduled Predecessor = ['48', '49']

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['47']

Nodes with Predecessor Still Busy = ['47']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [[], ['46'], []]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['48', '47', '49']

-------------------------End of t = 156-------------------------

-------------------------Start of t = 157-------------------------

Un-scheduled Nodes = ['48', '47', '49']

Nodes before deletion = ['48', '47', '49']

Nodes with no valid Scheduled Predecessor = ['48', '49']

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['47']

Nodes with Predecessor Still Busy = ['47']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [[], ['46'], []]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['48', '47', '49']

-------------------------End of t = 157-------------------------

-------------------------Start of t = 158-------------------------

Un-scheduled Nodes = ['48', '47', '49']

Nodes before deletion = ['48', '47', '49']

Nodes with no valid Scheduled Predecessor = ['48', '49']

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['47']

Nodes with Predecessor Still Busy = ['47']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [[], ['46'], []]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['48', '47', '49']

-------------------------End of t = 158-------------------------

-------------------------Start of t = 159-------------------------

Un-scheduled Nodes = ['48', '47', '49']

Nodes before deletion = ['48', '47', '49']

Nodes with no valid Scheduled Predecessor = ['48', '49']

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['47']

Nodes with Predecessor Still Busy = ['47']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [[], ['46'], []]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['48', '47', '49']

-------------------------End of t = 159-------------------------

-------------------------Start of t = 160-------------------------

Un-scheduled Nodes = ['48', '47', '49']

Nodes before deletion = ['48', '47', '49']

Nodes with no valid Scheduled Predecessor = ['48', '49']

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['47']

Nodes with Predecessor Still Busy = ['47']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [[], ['46'], []]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['48', '47', '49']

-------------------------End of t = 160-------------------------

-------------------------Start of t = 161-------------------------

Un-scheduled Nodes = ['48', '47', '49']

Nodes before deletion = ['48', '47', '49']

Nodes with no valid Scheduled Predecessor = ['48', '49']

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['47']

Nodes with Predecessor Still Busy = ['47']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [[], ['46'], []]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['48', '47', '49']

-------------------------End of t = 161-------------------------

-------------------------Start of t = 162-------------------------

Un-scheduled Nodes = ['48', '47', '49']

Nodes before deletion = ['48', '47', '49']

Nodes with no valid Scheduled Predecessor = ['48', '49']

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['47']

Nodes with Predecessor Still Busy = ['47']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [[], ['46'], []]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['48', '47', '49']

-------------------------End of t = 162-------------------------

-------------------------Start of t = 163-------------------------

Un-scheduled Nodes = ['48', '47', '49']

Nodes before deletion = ['48', '47', '49']

Nodes with no valid Scheduled Predecessor = ['48', '49']

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['47']

Nodes with Predecessor Still Busy = ['47']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [[], ['46'], []]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['48', '47', '49']

-------------------------End of t = 163-------------------------

-------------------------Start of t = 164-------------------------

Un-scheduled Nodes = ['48', '47', '49']

Nodes before deletion = ['48', '47', '49']

Nodes with no valid Scheduled Predecessor = ['48', '49']

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['47']

Nodes with Predecessor Still Busy = ['47']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [[], ['46'], []]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['48', '47', '49']

-------------------------End of t = 164-------------------------

-------------------------Start of t = 165-------------------------

Un-scheduled Nodes = ['48', '47', '49']

Nodes before deletion = ['48', '47', '49']

Nodes with no valid Scheduled Predecessor = ['48', '49']

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['47']

Nodes with Predecessor Still Busy = ['47']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [[], ['46'], []]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['48', '47', '49']

-------------------------End of t = 165-------------------------

-------------------------Start of t = 166-------------------------

Un-scheduled Nodes = ['48', '47', '49']

Nodes before deletion = ['48', '47', '49']

Nodes with no valid Scheduled Predecessor = ['48', '49']

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['47']

Nodes with Predecessor Still Busy = ['47']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [[], ['46'], []]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['48', '47', '49']

-------------------------End of t = 166-------------------------

-------------------------Start of t = 167-------------------------

Un-scheduled Nodes = ['48', '47', '49']

Nodes before deletion = ['48', '47', '49']

Nodes with no valid Scheduled Predecessor = ['48', '49']

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['47']

Nodes with Predecessor Still Busy = ['47']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [[], ['46'], []]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['48', '47', '49']

-------------------------End of t = 167-------------------------

-------------------------Start of t = 168-------------------------

Un-scheduled Nodes = ['48', '47', '49']

Nodes before deletion = ['48', '47', '49']

Nodes with no valid Scheduled Predecessor = ['48', '49']

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['47']

Nodes with Predecessor Still Busy = ['47']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [[], ['46'], []]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['48', '47', '49']

-------------------------End of t = 168-------------------------

-------------------------Start of t = 169-------------------------

Un-scheduled Nodes = ['48', '47', '49']

Nodes before deletion = ['48', '47', '49']

Nodes with no valid Scheduled Predecessor = ['48', '49']

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['47']

Nodes with Predecessor Still Busy = ['47']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [[], ['46'], []]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['48', '47', '49']

-------------------------End of t = 169-------------------------

-------------------------Start of t = 170-------------------------

Un-scheduled Nodes = ['48', '47', '49']

Nodes before deletion = ['48', '47', '49']

Nodes with no valid Scheduled Predecessor = ['48', '49']

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['47']

Nodes with Predecessor Still Busy = ['47']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [[], ['46'], []]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['48', '47', '49']

-------------------------End of t = 170-------------------------

-------------------------Start of t = 171-------------------------

Un-scheduled Nodes = ['48', '47', '49']

Nodes before deletion = ['48', '47', '49']

Nodes with no valid Scheduled Predecessor = ['48', '49']

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['47']

Nodes with Predecessor Still Busy = []

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = ['47']

U = [[], ['47'], []]

B = [[], [], []]

S = [-1, [0], -1]

U\* = [[], ['47'], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = ['47']

Un-scheduled Nodes = ['48', '49']

-------------------------End of t = 171-------------------------

-------------------------Start of t = 172-------------------------

Un-scheduled Nodes = ['48', '49']

Nodes before deletion = ['48', '49']

Nodes with no valid Scheduled Predecessor = ['49']

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['48']

Nodes with Predecessor Still Busy = ['48']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [[], ['47'], []]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['48', '49']

-------------------------End of t = 172-------------------------

-------------------------Start of t = 173-------------------------

Un-scheduled Nodes = ['48', '49']

Nodes before deletion = ['48', '49']

Nodes with no valid Scheduled Predecessor = ['49']

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['48']

Nodes with Predecessor Still Busy = ['48']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [[], ['47'], []]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['48', '49']

-------------------------End of t = 173-------------------------

-------------------------Start of t = 174-------------------------

Un-scheduled Nodes = ['48', '49']

Nodes before deletion = ['48', '49']

Nodes with no valid Scheduled Predecessor = ['49']

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['48']

Nodes with Predecessor Still Busy = ['48']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [[], ['47'], []]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['48', '49']

-------------------------End of t = 174-------------------------

-------------------------Start of t = 175-------------------------

Un-scheduled Nodes = ['48', '49']

Nodes before deletion = ['48', '49']

Nodes with no valid Scheduled Predecessor = ['49']

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['48']

Nodes with Predecessor Still Busy = ['48']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [[], ['47'], []]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['48', '49']

-------------------------End of t = 175-------------------------

-------------------------Start of t = 176-------------------------

Un-scheduled Nodes = ['48', '49']

Nodes before deletion = ['48', '49']

Nodes with no valid Scheduled Predecessor = ['49']

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['48']

Nodes with Predecessor Still Busy = ['48']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [[], ['47'], []]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['48', '49']

-------------------------End of t = 176-------------------------

-------------------------Start of t = 177-------------------------

Un-scheduled Nodes = ['48', '49']

Nodes before deletion = ['48', '49']

Nodes with no valid Scheduled Predecessor = ['49']

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['48']

Nodes with Predecessor Still Busy = ['48']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [[], ['47'], []]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['48', '49']

-------------------------End of t = 177-------------------------

-------------------------Start of t = 178-------------------------

Un-scheduled Nodes = ['48', '49']

Nodes before deletion = ['48', '49']

Nodes with no valid Scheduled Predecessor = ['49']

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['48']

Nodes with Predecessor Still Busy = ['48']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [[], ['47'], []]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['48', '49']

-------------------------End of t = 178-------------------------

-------------------------Start of t = 179-------------------------

Un-scheduled Nodes = ['48', '49']

Nodes before deletion = ['48', '49']

Nodes with no valid Scheduled Predecessor = ['49']

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['48']

Nodes with Predecessor Still Busy = ['48']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [[], ['47'], []]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['48', '49']

-------------------------End of t = 179-------------------------

-------------------------Start of t = 180-------------------------

Un-scheduled Nodes = ['48', '49']

Nodes before deletion = ['48', '49']

Nodes with no valid Scheduled Predecessor = ['49']

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['48']

Nodes with Predecessor Still Busy = ['48']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [[], ['47'], []]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['48', '49']

-------------------------End of t = 180-------------------------

-------------------------Start of t = 181-------------------------

Un-scheduled Nodes = ['48', '49']

Nodes before deletion = ['48', '49']

Nodes with no valid Scheduled Predecessor = ['49']

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['48']

Nodes with Predecessor Still Busy = ['48']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [[], ['47'], []]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['48', '49']

-------------------------End of t = 181-------------------------

-------------------------Start of t = 182-------------------------

Un-scheduled Nodes = ['48', '49']

Nodes before deletion = ['48', '49']

Nodes with no valid Scheduled Predecessor = ['49']

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['48']

Nodes with Predecessor Still Busy = ['48']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [[], ['47'], []]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['48', '49']

-------------------------End of t = 182-------------------------

-------------------------Start of t = 183-------------------------

Un-scheduled Nodes = ['48', '49']

Nodes before deletion = ['48', '49']

Nodes with no valid Scheduled Predecessor = ['49']

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['48']

Nodes with Predecessor Still Busy = ['48']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [[], ['47'], []]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['48', '49']

-------------------------End of t = 183-------------------------

-------------------------Start of t = 184-------------------------

Un-scheduled Nodes = ['48', '49']

Nodes before deletion = ['48', '49']

Nodes with no valid Scheduled Predecessor = ['49']

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['48']

Nodes with Predecessor Still Busy = ['48']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [[], ['47'], []]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['48', '49']

-------------------------End of t = 184-------------------------

-------------------------Start of t = 185-------------------------

Un-scheduled Nodes = ['48', '49']

Nodes before deletion = ['48', '49']

Nodes with no valid Scheduled Predecessor = ['49']

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['48']

Nodes with Predecessor Still Busy = ['48']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [[], ['47'], []]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['48', '49']

-------------------------End of t = 185-------------------------

-------------------------Start of t = 186-------------------------

Un-scheduled Nodes = ['48', '49']

Nodes before deletion = ['48', '49']

Nodes with no valid Scheduled Predecessor = ['49']

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['48']

Nodes with Predecessor Still Busy = ['48']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [[], ['47'], []]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['48', '49']

-------------------------End of t = 186-------------------------

-------------------------Start of t = 187-------------------------

Un-scheduled Nodes = ['48', '49']

Nodes before deletion = ['48', '49']

Nodes with no valid Scheduled Predecessor = ['49']

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['48']

Nodes with Predecessor Still Busy = ['48']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [[], ['47'], []]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['48', '49']

-------------------------End of t = 187-------------------------

-------------------------Start of t = 188-------------------------

Un-scheduled Nodes = ['48', '49']

Nodes before deletion = ['48', '49']

Nodes with no valid Scheduled Predecessor = ['49']

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['48']

Nodes with Predecessor Still Busy = ['48']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [[], ['47'], []]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['48', '49']

-------------------------End of t = 188-------------------------

-------------------------Start of t = 189-------------------------

Un-scheduled Nodes = ['48', '49']

Nodes before deletion = ['48', '49']

Nodes with no valid Scheduled Predecessor = ['49']

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['48']

Nodes with Predecessor Still Busy = ['48']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [[], ['47'], []]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['48', '49']

-------------------------End of t = 189-------------------------

-------------------------Start of t = 190-------------------------

Un-scheduled Nodes = ['48', '49']

Nodes before deletion = ['48', '49']

Nodes with no valid Scheduled Predecessor = ['49']

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['48']

Nodes with Predecessor Still Busy = ['48']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [[], ['47'], []]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['48', '49']

-------------------------End of t = 190-------------------------

-------------------------Start of t = 191-------------------------

Un-scheduled Nodes = ['48', '49']

Nodes before deletion = ['48', '49']

Nodes with no valid Scheduled Predecessor = ['49']

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['48']

Nodes with Predecessor Still Busy = []

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = ['48']

U = [[], [], ['48']]

B = [[], [], []]

S = [-1, -1, [0]]

U\* = [[], [], ['48']]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = ['48']

Un-scheduled Nodes = ['49']

-------------------------End of t = 191-------------------------

-------------------------Start of t = 192-------------------------

Un-scheduled Nodes = ['49']

Nodes before deletion = ['49']

Nodes with no valid Scheduled Predecessor = []

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['49']

Nodes with Predecessor Still Busy = ['49']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [[], [], ['48']]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['49']

-------------------------End of t = 192-------------------------

-------------------------Start of t = 193-------------------------

Un-scheduled Nodes = ['49']

Nodes before deletion = ['49']

Nodes with no valid Scheduled Predecessor = []

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['49']

Nodes with Predecessor Still Busy = ['49']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [[], [], ['48']]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['49']

-------------------------End of t = 193-------------------------

-------------------------Start of t = 194-------------------------

Un-scheduled Nodes = ['49']

Nodes before deletion = ['49']

Nodes with no valid Scheduled Predecessor = []

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['49']

Nodes with Predecessor Still Busy = ['49']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [[], [], ['48']]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['49']

-------------------------End of t = 194-------------------------

-------------------------Start of t = 195-------------------------

Un-scheduled Nodes = ['49']

Nodes before deletion = ['49']

Nodes with no valid Scheduled Predecessor = []

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['49']

Nodes with Predecessor Still Busy = ['49']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [[], [], ['48']]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['49']

-------------------------End of t = 195-------------------------

-------------------------Start of t = 196-------------------------

Un-scheduled Nodes = ['49']

Nodes before deletion = ['49']

Nodes with no valid Scheduled Predecessor = []

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['49']

Nodes with Predecessor Still Busy = ['49']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [[], [], ['48']]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['49']

-------------------------End of t = 196-------------------------

-------------------------Start of t = 197-------------------------

Un-scheduled Nodes = ['49']

Nodes before deletion = ['49']

Nodes with no valid Scheduled Predecessor = []

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['49']

Nodes with Predecessor Still Busy = ['49']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [[], [], ['48']]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['49']

-------------------------End of t = 197-------------------------

-------------------------Start of t = 198-------------------------

Un-scheduled Nodes = ['49']

Nodes before deletion = ['49']

Nodes with no valid Scheduled Predecessor = []

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['49']

Nodes with Predecessor Still Busy = ['49']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [[], [], ['48']]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['49']

-------------------------End of t = 198-------------------------

-------------------------Start of t = 199-------------------------

Un-scheduled Nodes = ['49']

Nodes before deletion = ['49']

Nodes with no valid Scheduled Predecessor = []

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['49']

Nodes with Predecessor Still Busy = ['49']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [[], [], ['48']]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['49']

-------------------------End of t = 199-------------------------

-------------------------Start of t = 200-------------------------

Un-scheduled Nodes = ['49']

Nodes before deletion = ['49']

Nodes with no valid Scheduled Predecessor = []

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['49']

Nodes with Predecessor Still Busy = ['49']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [[], [], ['48']]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['49']

-------------------------End of t = 200-------------------------

-------------------------Start of t = 201-------------------------

Un-scheduled Nodes = ['49']

Nodes before deletion = ['49']

Nodes with no valid Scheduled Predecessor = []

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['49']

Nodes with Predecessor Still Busy = ['49']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [[], [], ['48']]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['49']

-------------------------End of t = 201-------------------------

-------------------------Start of t = 202-------------------------

Un-scheduled Nodes = ['49']

Nodes before deletion = ['49']

Nodes with no valid Scheduled Predecessor = []

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['49']

Nodes with Predecessor Still Busy = ['49']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [[], [], ['48']]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['49']

-------------------------End of t = 202-------------------------

-------------------------Start of t = 203-------------------------

Un-scheduled Nodes = ['49']

Nodes before deletion = ['49']

Nodes with no valid Scheduled Predecessor = []

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['49']

Nodes with Predecessor Still Busy = ['49']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [[], [], ['48']]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['49']

-------------------------End of t = 203-------------------------

-------------------------Start of t = 204-------------------------

Un-scheduled Nodes = ['49']

Nodes before deletion = ['49']

Nodes with no valid Scheduled Predecessor = []

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['49']

Nodes with Predecessor Still Busy = ['49']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [[], [], ['48']]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['49']

-------------------------End of t = 204-------------------------

-------------------------Start of t = 205-------------------------

Un-scheduled Nodes = ['49']

Nodes before deletion = ['49']

Nodes with no valid Scheduled Predecessor = []

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['49']

Nodes with Predecessor Still Busy = ['49']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [[], [], ['48']]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['49']

-------------------------End of t = 205-------------------------

-------------------------Start of t = 206-------------------------

Un-scheduled Nodes = ['49']

Nodes before deletion = ['49']

Nodes with no valid Scheduled Predecessor = []

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['49']

Nodes with Predecessor Still Busy = ['49']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [[], [], ['48']]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['49']

-------------------------End of t = 206-------------------------

-------------------------Start of t = 207-------------------------

Un-scheduled Nodes = ['49']

Nodes before deletion = ['49']

Nodes with no valid Scheduled Predecessor = []

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['49']

Nodes with Predecessor Still Busy = ['49']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [[], [], ['48']]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['49']

-------------------------End of t = 207-------------------------

-------------------------Start of t = 208-------------------------

Un-scheduled Nodes = ['49']

Nodes before deletion = ['49']

Nodes with no valid Scheduled Predecessor = []

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['49']

Nodes with Predecessor Still Busy = ['49']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [[], [], ['48']]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['49']

-------------------------End of t = 208-------------------------

-------------------------Start of t = 209-------------------------

Un-scheduled Nodes = ['49']

Nodes before deletion = ['49']

Nodes with no valid Scheduled Predecessor = []

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['49']

Nodes with Predecessor Still Busy = ['49']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [[], [], ['48']]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['49']

-------------------------End of t = 209-------------------------

-------------------------Start of t = 210-------------------------

Un-scheduled Nodes = ['49']

Nodes before deletion = ['49']

Nodes with no valid Scheduled Predecessor = []

Nodes after 'Nodes with no valid Scheduled Predecessor' removed = ['49']

Nodes with Predecessor Still Busy = ['49']

Nodes after Invalid 'Nodes with Predecessor Still Busy' removed = []

U = [[], [], []]

B = [[], [], ['48']]

S = [-1, -1, -1]

U\* = [[], [], []]

V = [[], [], []]

Number Of Instances = [3, 3, 1]

Scheduled Nodes = []

Un-scheduled Nodes = ['49']

-------------------------End of t = 210-------------------------

-------------------------Start of t = 211-------------------------

Sink Node scheduled at t = 211

=========================End of t = 211=========================

------------------------- RESULTS -------------------------

Latency = 210

Number of Multiplier units required = 3

Number of Adder units required = 3

Number of Exponent units required = 1