**Metrics for net Petri net**

**Density metric**

0.02023809523809524

**Details**

|F| = 136

|P X T| = 3360

**Extended Cardoso metric**

62.0

**Details**

Place source 80 = 1

Place sink 81 = 0

Place sink 82 = 1

Place sink 83 = 1

Place sink 84 = 1

Place sink 85 = 1

Place sink 86 = 1

Place sink 87 = 1

Place sink 88 = 1

Place sink 89 = 1

Place sink 90 = 1

Place sink 91 = 1

Place sink 92 = 1

Place sink 93 = 1

Place sink 94 = 1

Place sink 95 = 1

Place sink 96 = 1

Place sink 97 = 1

Place sink 98 = 1

Place sink 99 = 1

Place sink 100 = 1

Place sink 101 = 1

Place sink 102 = 1

Place sink 103 = 1

Place sink 104 = 1

Place sink 105 = 1

Place sink 106 = 1

Place sink 107 = 1

Place sink 108 = 1

Place sink 109 = 1

Place sink 110 = 1

Place sink 111 = 1

Place sink 112 = 1

Place sink 113 = 1

Place sink 114 = 1

Place sink 115 = 1

Place sink 116 = 1

Place sink 117 = 1

Place sink 118 = 1

Place sink 119 = 1

Place sink 120 = 1

Place sink 121 = 1

Place sink 122 = 1

Place sink 123 = 1

Place sink 124 = 1

Place notDoneFirst 125 = 2

Place doneFirst 126 = 5

Place childSource 127 = 2

Place childSink 128 = 1

Place doChild 129 = 1

Place childSource 130 = 2

Place childSink 131 = 1

Place doChild 132 = 1

Place sink 133 = 1

Place sink 134 = 1

Place sink 135 = 1

Metric = 62

**Extended Cyclomatic metric**

68.0

**Details**

|E| = 68

|V| = 57

p = 57

**Number of arcs**

136.0

**Details**

**Number of places**

56.0

**Details**

**Number of transitions**

60.0

**Details**

**Structuredness metric**

10880.0

**Details**

SEQUENCE sink 82

Removed place sink 82

Added arc from START to sink 83

Removed transition 01\_HOOFD\_010

Sum = 2.0

Metric = 2.0

SEQUENCE sink 85

Removed place sink 85

Added arc from 01\_HOOFD\_015 to sink 86

Removed transition 03\_GBH\_005

Sum = 2.0

Metric = 2.0

SEQUENCE sink 88

Removed place sink 88

Added arc from 01\_HOOFD\_030\_1 to sink 89

Removed transition 01\_HOOFD\_030\_2

Sum = 2.0

Metric = 2.0

SEQUENCE sink 89

Removed place sink 89

Added arc from 01\_HOOFD\_030\_1 to sink 90

Removed transition 02\_DRZ\_010

Sum = 3.0

Metric = 3.0

SEQUENCE sink 90

Removed place sink 90

Added arc from 01\_HOOFD\_030\_1 to sink 91

Removed transition 01\_HOOFD\_061

Sum = 4.0

Metric = 4.0

SEQUENCE sink 93

Removed place sink 93

Added arc from 01\_HOOFD\_065\_0 to sink 94

Removed transition 01\_HOOFD\_110\_0

Sum = 2.0

Metric = 2.0

SEQUENCE sink 94

Removed place sink 94

Added arc from 01\_HOOFD\_065\_0 to sink 95

Removed transition 01\_HOOFD\_180

Sum = 3.0

Metric = 3.0

SEQUENCE sink 95

Removed place sink 95

Added arc from 01\_HOOFD\_065\_0 to sink 96

Removed transition 01\_HOOFD\_195

Sum = 4.0

Metric = 4.0

SEQUENCE sink 96

Removed place sink 96

Added arc from 01\_HOOFD\_065\_0 to sink 97

Removed transition 08\_AWB45\_005

Sum = 5.0

Metric = 5.0

SEQUENCE sink 97

Removed place sink 97

Added arc from 01\_HOOFD\_065\_0 to sink 98

Removed transition 01\_HOOFD\_196

Sum = 6.0

Metric = 6.0

SEQUENCE sink 98

Removed place sink 98

Added arc from 01\_HOOFD\_065\_0 to sink 99

Removed transition 01\_HOOFD\_200

Sum = 7.0

Metric = 7.0

SEQUENCE sink 99

Removed place sink 99

Added arc from 01\_HOOFD\_065\_0 to sink 100

Removed transition 01\_HOOFD\_250\_1

Sum = 8.0

Metric = 8.0

SEQUENCE sink 100

Removed place sink 100

Added arc from 01\_HOOFD\_065\_0 to sink 101

Removed transition 01\_HOOFD\_250\_2

Sum = 9.0

Metric = 9.0

SEQUENCE sink 101

Removed place sink 101

Added arc from 01\_HOOFD\_065\_0 to sink 102

Removed transition 01\_HOOFD\_330

Sum = 10.0

Metric = 10.0

SEQUENCE sink 102

Removed place sink 102

Added arc from 01\_HOOFD\_065\_0 to sink 103

Removed transition 09\_AH\_I\_010

Sum = 11.0

Metric = 11.0

SEQUENCE sink 103

Removed place sink 103

Added arc from 01\_HOOFD\_065\_0 to sink 104

Removed transition 01\_HOOFD\_370

Sum = 12.0

Metric = 12.0

SEQUENCE sink 104

Removed place sink 104

Added arc from 01\_HOOFD\_065\_0 to sink 105

Removed transition 01\_HOOFD\_375

Sum = 13.0

Metric = 13.0

SEQUENCE sink 105

Removed place sink 105

Added arc from 01\_HOOFD\_065\_0 to sink 106

Removed transition 01\_HOOFD\_380

Sum = 14.0

Metric = 14.0

SEQUENCE sink 106

Removed place sink 106

Added arc from 01\_HOOFD\_065\_0 to sink 107

Removed transition 01\_HOOFD\_430

Sum = 15.0

Metric = 15.0

SEQUENCE sink 109

Removed place sink 109

Added arc from 01\_HOOFD\_480 to sink 110

Removed transition 01\_HOOFD\_490\_1

Sum = 2.0

Metric = 2.0

SEQUENCE sink 110

Removed place sink 110

Added arc from 01\_HOOFD\_480 to sink 111

Removed transition 13\_CRD\_010

Sum = 3.0

Metric = 3.0

SEQUENCE sink 111

Removed place sink 111

Added arc from 01\_HOOFD\_480 to sink 112

Removed transition 01\_HOOFD\_490\_1a

Sum = 4.0

Metric = 4.0

SEQUENCE sink 112

Removed place sink 112

Added arc from 01\_HOOFD\_480 to sink 113

Removed transition 01\_HOOFD\_490\_2

Sum = 5.0

Metric = 5.0

SEQUENCE sink 113

Removed place sink 113

Added arc from 01\_HOOFD\_480 to sink 114

Removed transition 01\_HOOFD\_490\_4

Sum = 6.0

Metric = 6.0

SEQUENCE sink 114

Removed place sink 114

Added arc from 01\_HOOFD\_480 to sink 115

Removed transition 01\_HOOFD\_491

Sum = 7.0

Metric = 7.0

SEQUENCE sink 115

Removed place sink 115

Added arc from 01\_HOOFD\_480 to sink 116

Removed transition 01\_HOOFD\_494a

Sum = 8.0

Metric = 8.0

SEQUENCE sink 116

Removed place sink 116

Added arc from 01\_HOOFD\_480 to sink 117

Removed transition 01\_HOOFD\_490\_5

Sum = 9.0

Metric = 9.0

SEQUENCE sink 117

Removed place sink 117

Added arc from 01\_HOOFD\_480 to sink 118

Removed transition 01\_HOOFD\_490\_5a

Sum = 10.0

Metric = 10.0

SEQUENCE sink 118

Removed place sink 118

Added arc from 01\_HOOFD\_480 to sink 119

Removed transition 01\_HOOFD\_510\_2a

Sum = 11.0

Metric = 11.0

SEQUENCE sink 119

Removed place sink 119

Added arc from 01\_HOOFD\_480 to sink 120

Removed transition 01\_HOOFD\_495

Sum = 12.0

Metric = 12.0

SEQUENCE sink 120

Removed place sink 120

Added arc from 01\_HOOFD\_480 to sink 121

Removed transition 01\_HOOFD\_500

Sum = 13.0

Metric = 13.0

SEQUENCE sink 121

Removed place sink 121

Added arc from 01\_HOOFD\_480 to sink 122

Removed transition 01\_HOOFD\_510\_0

Sum = 14.0

Metric = 14.0

SEQUENCE sink 122

Removed place sink 122

Added arc from 01\_HOOFD\_480 to sink 123

Removed transition 01\_HOOFD\_510\_1

Sum = 15.0

Metric = 15.0

SEQUENCE sink 123

Removed place sink 123

Added arc from 01\_HOOFD\_480 to childSource 130

Added arc from 01\_HOOFD\_480 to childSource 127

Added arc from 01\_HOOFD\_480 to notDoneFirst 125

Removed transition tau start

Sum = 16.0

Metric = 16.0

SEQUENCE sink 124

Removed place sink 124

Added arc from tau finish to sink 133

Removed transition 01\_HOOFD\_510\_4

Sum = 2.0

Metric = 2.0

SEQUENCE sink 133

Removed place sink 133

Added arc from tau finish to sink 134

Removed transition 01\_HOOFD\_510\_3

Sum = 3.0

Metric = 3.0

SEQUENCE sink 134

Removed place sink 134

Added arc from tau finish to sink 135

Removed transition 01\_HOOFD\_515

Sum = 4.0

Metric = 4.0

SEQUENCE sink 135

Removed place sink 135

Added arc from tau finish to sink 81

Removed transition END

Sum = 5.0

Metric = 5.0

CHOICE 01\_HOOFD\_011

Removed transition 01\_HOOFD\_065\_2

Sum = 2.0

Metric = 3.0

SEQUENCE sink 83

Removed place sink 83

Added arc from START to sink 84

Removed transition 01\_HOOFD\_011

Sum = 5.0

Metric = 5.0

SEQUENCE sink 84

Removed place sink 84

Added arc from START to sink 86

Removed transition 01\_HOOFD\_015

Sum = 7.0

Metric = 7.0

CHOICE 01\_HOOFD\_020

Removed transition 05\_EIND\_010

Sum = 2.0

Metric = 3.0

SEQUENCE sink 86

Removed place sink 86

Added arc from START to sink 87

Removed transition 01\_HOOFD\_020

Sum = 10.0

Metric = 10.0

SEQUENCE sink 87

Removed place sink 87

Added arc from START to sink 91

Removed transition 01\_HOOFD\_030\_1

Sum = 14.0

Metric = 14.0

CHOICE 04\_BPT\_005

Removed transition 01\_HOOFD\_050

Sum = 2.0

Metric = 3.0

SEQUENCE sink 91

Removed place sink 91

Added arc from START to sink 92

Removed transition 04\_BPT\_005

Sum = 17.0

Metric = 17.0

SEQUENCE sink 92

Removed place sink 92

Added arc from START to sink 107

Removed transition 01\_HOOFD\_065\_0

Sum = 32.0

Metric = 32.0

CHOICE 11\_AH\_II\_010

Removed transition 01\_HOOFD\_470

Sum = 2.0

Metric = 3.0

SEQUENCE sink 107

Removed place sink 107

Added arc from START to sink 108

Removed transition 11\_AH\_II\_010

Sum = 35.0

Metric = 35.0

SEQUENCE sink 108

Removed place sink 108

Added arc from START to childSource 130

Added arc from START to childSource 127

Added arc from START to notDoneFirst 125

Removed transition 01\_HOOFD\_480

Sum = 51.0

Metric = 51.0

UNSTRUCTURED source 80 -> sink 81

Out place childSource 127

Out transition tau firstDoChild

In transition tau firstDoChild

In place doChild 132

Out transition tau laterDoChild

In transition tau laterDoChild

Out transition tau skipChild

In transition tau skipChild

Out transition tau laterDoChild

In transition tau laterDoChild

Out place notDoneFirst 125

Out place doneFirst 126

In place doneFirst 126

Out place childSource 130

Out transition tau firstDoChild

In transition tau firstDoChild

In place childSink 131

Out transition START

In place childSink 128

In transition tau finish

In place doChild 129

Out transition tau skipChild

In transition tau skipChild

|F| = 36

|P U T| = 20

Sum = 5440.0

DiffP = 2

DiffT = 1

Added arc from START to sink 81

Removed transition 01\_HOOFD\_520

Removed place childSource 127

Removed transition tau firstDoChild

Removed place doChild 132

Removed transition tau laterDoChild

Removed transition tau skipChild

Removed transition tau laterDoChild

Removed place notDoneFirst 125

Removed place doneFirst 126

Removed place childSource 130

Removed transition tau firstDoChild

Removed place childSink 131

Removed place childSink 128

Removed transition tau finish

Removed place doChild 129

Removed transition 01\_HOOFD\_510\_2

Removed transition tau skipChild

Metric = 10880.0