**Metrics for net Petri net**

**Density metric**

0.03105810108644308

**Details**

|F| = 526

|P X T| = 8468

**Extended Cardoso metric**

280.0

**Details**

Place place\_0 = 3

Place place\_1 = 6

Place place\_2 = 1

Place place\_3 = 1

Place place\_4 = 4

Place place\_5 = 3

Place place\_6 = 2

Place place\_7 = 1

Place place\_8 = 4

Place place\_9 = 2

Place place\_10 = 3

Place place\_11 = 1

Place place\_12 = 5

Place place\_13 = 3

Place place\_14 = 3

Place place\_15 = 4

Place place\_16 = 2

Place place\_17 = 4

Place place\_18 = 3

Place place\_19 = 1

Place place\_20 = 3

Place place\_21 = 4

Place place\_22 = 5

Place place\_23 = 4

Place place\_24 = 2

Place place\_25 = 2

Place place\_26 = 1

Place place\_27 = 2

Place place\_28 = 3

Place place\_29 = 2

Place place\_30 = 2

Place place\_31 = 1

Place place\_32 = 5

Place place\_33 = 1

Place place\_34 = 2

Place place\_35 = 2

Place place\_36 = 4

Place place\_37 = 5

Place place\_38 = 1

Place place\_39 = 1

Place place\_40 = 4

Place place\_41 = 3

Place place\_42 = 1

Place place\_43 = 5

Place place\_44 = 3

Place place\_45 = 2

Place place\_46 = 2

Place place\_47 = 3

Place place\_48 = 1

Place place\_49 = 2

Place place\_50 = 3

Place place\_51 = 2

Place place\_52 = 1

Place place\_53 = 1

Place place\_54 = 1

Place place\_55 = 2

Place place\_56 = 2

Place place\_57 = 1

Place place\_58 = 1

Place place\_59 = 2

Place place\_60 = 1

Place place\_61 = 6

Place place\_62 = 1

Place place\_63 = 1

Place place\_64 = 2

Place place\_65 = 1

Place place\_66 = 1

Place place\_67 = 2

Place place\_68 = 2

Place place\_69 = 2

Place place\_70 = 2

Place place\_71 = 3

Place place\_72 = 2

Place place\_73 = 3

Place place\_74 = 1

Place place\_75 = 2

Place place\_76 = 3

Place place\_77 = 1

Place place\_78 = 1

Place place\_79 = 3

Place place\_80 = 3

Place place\_81 = 5

Place place\_82 = 3

Place place\_83 = 2

Place place\_84 = 5

Place place\_85 = 3

Place place\_86 = 2

Place place\_87 = 5

Place place\_88 = 4

Place place\_89 = 1

Place place\_90 = 1

Place place\_91 = 2

Place place\_92 = 1

Place place\_93 = 1

Place place\_94 = 1

Place place\_95 = 6

Place place\_96 = 4

Place place\_97 = 3

Place place\_98 = 4

Place place\_99 = 1

Place place\_100 = 1

Place place\_101 = 2

Place place\_102 = 1

Place place\_103 = 1

Place place\_104 = 4

Place place\_105 = 2

Place place\_106 = 5

Place place\_107 = 3

Place place\_108 = 2

Place place\_109 = 2

Place place\_110 = 3

Place place\_111 = 1

Place place\_112 = 3

Place place\_113 = 2

Place sink = 0

Place source = 1

Metric = 280

**Extended Cyclomatic metric**

-1.0

**Details**

Reachability graph is unbounded

**Number of arcs**

526.0

**Details**

**Number of places**

116.0

**Details**

**Number of transitions**

73.0

**Details**

**Structuredness metric**

4987600.0

**Details**

SEQUENCE place\_26

Removed place place\_26

Added arc from 01\_HOOFD\_065\_1+complete to place\_51

Added arc from 01\_HOOFD\_065\_1+complete to place\_23

Added arc from 01\_HOOFD\_065\_1+complete to place\_98

Added arc from 01\_HOOFD\_065\_1+complete to place\_30

Added arc from 01\_HOOFD\_065\_1+complete to place\_17

Added arc from 01\_HOOFD\_065\_1+complete to place\_112

Removed transition 01\_HOOFD\_065\_2+complete

Sum = 2.0

Metric = 2.0

SEQUENCE place\_38

Removed place place\_38

Added arc from 01\_HOOFD\_250\_1+complete to place\_111

Removed transition 01\_HOOFD\_250\_2+complete

Sum = 2.0

Metric = 2.0

SEQUENCE place\_39

Removed place place\_39

Added arc from END+complete to sink

Removed transition [end]@1664712727119+[end]@1664712727119

Sum = 2.0

Metric = 2.0

SEQUENCE place\_42

Removed place place\_42

Added arc from 01\_HOOFD\_520+complete to place\_84

Added arc from 01\_HOOFD\_520+complete to place\_101

Added arc from 01\_HOOFD\_520+complete to place\_64

Removed transition 01\_HOOFD\_530+complete

Sum = 2.0

Metric = 2.0

SEQUENCE place\_48

Removed place place\_48

Added arc from 01\_HOOFD\_430+complete to place\_74

Added arc from 01\_HOOFD\_430+complete to place\_1

Added arc from 01\_HOOFD\_430+complete to place\_82

Removed transition 01\_HOOFD\_480+complete

Sum = 2.0

Metric = 2.0

SEQUENCE place\_53

Removed place place\_53

Added arc from 01\_HOOFD\_110+complete to place\_90

Added arc from 01\_HOOFD\_110+complete to place\_112

Removed transition 01\_HOOFD\_120+complete

Sum = 2.0

Metric = 2.0

SEQUENCE place\_57

Removed place place\_57

Added arc from 01\_HOOFD\_015+complete to place\_95

Added arc from 01\_HOOFD\_015+complete to place\_106

Added arc from 01\_HOOFD\_015+complete to place\_31

Added arc from 01\_HOOFD\_015+complete to place\_18

Removed transition 01\_HOOFD\_020+complete

Sum = 2.0

Metric = 2.0

SEQUENCE place\_58

Removed place place\_58

Added arc from 01\_HOOFD\_110\_1+complete to place\_90

Added arc from 01\_HOOFD\_110\_1+complete to place\_112

Removed transition 01\_HOOFD\_110\_2+complete

Sum = 2.0

Metric = 2.0

SEQUENCE place\_63

Removed place place\_63

Added arc from 01\_HOOFD\_380+complete to place\_74

Added arc from 01\_HOOFD\_380+complete to place\_1

Added arc from 01\_HOOFD\_380+complete to place\_82

Removed transition 01\_HOOFD\_430+complete

Sum = 3.0

Metric = 3.0

SEQUENCE place\_65

Removed place place\_65

Added arc from 01\_HOOFD\_250+complete to place\_111

Removed transition 01\_HOOFD\_260+complete

Sum = 2.0

Metric = 2.0

SEQUENCE place\_77

Removed place place\_77

Added arc from 08\_AWB45\_010+complete to place\_35

Added arc from 08\_AWB45\_010+complete to place\_59

Added arc from 08\_AWB45\_010+complete to place\_3

Added arc from 08\_AWB45\_010+complete to place\_66

Removed transition 08\_AWB45\_020\_1+complete

Sum = 2.0

Metric = 2.0

SEQUENCE place\_78

Removed place place\_78

Added arc from 01\_HOOFD\_375+complete to place\_74

Added arc from 01\_HOOFD\_375+complete to place\_1

Added arc from 01\_HOOFD\_375+complete to place\_82

Removed transition 01\_HOOFD\_380+complete

Sum = 4.0

Metric = 4.0

SEQUENCE place\_93

Removed place place\_93

Added arc from 01\_HOOFD\_195+complete to place\_43

Added arc from 01\_HOOFD\_195+complete to place\_23

Added arc from 01\_HOOFD\_195+complete to place\_67

Removed transition 01\_HOOFD\_200+complete

Sum = 2.0

Metric = 2.0

SEQUENCE place\_94

Removed place place\_94

Added arc from [start>@1664712727119+[start>@1664712727119 to place\_99

Removed transition START+complete

Sum = 2.0

Metric = 2.0

SEQUENCE place\_99

Removed place place\_99

Added arc from [start>@1664712727119+[start>@1664712727119 to place\_62

Added arc from [start>@1664712727119+[start>@1664712727119 to place\_69

Added arc from [start>@1664712727119+[start>@1664712727119 to place\_4

Removed transition 01\_HOOFD\_010+complete

Sum = 3.0

Metric = 3.0

SEQUENCE place\_102

Removed place place\_102

Added arc from 09\_AH\_I\_010+complete to place\_82

Added arc from 09\_AH\_I\_010+complete to place\_0

Added arc from 09\_AH\_I\_010+complete to place\_108

Added arc from 09\_AH\_I\_010+complete to place\_28

Removed transition 11\_AH\_II\_010+complete

Sum = 2.0

Metric = 2.0

WHILE place\_91

Removed place place\_91

Removed transition 01\_HOOFD\_370+complete

Added arc from 01\_HOOFD\_330+complete to place\_74

Added arc from 01\_HOOFD\_330+complete to place\_1

Added arc from 01\_HOOFD\_330+complete to place\_82

Removed transition 01\_HOOFD\_375+complete

Sum = 7.0

Metric = 7.0

UNSTRUCTURED source -> sink

Out place place\_59

In place place\_59

Out transition 08\_AWB45\_005+complete

In transition 08\_AWB45\_005+complete

Out place place\_82

In place place\_82

Out place place\_1

In place place\_1

Out place place\_40

In place place\_40

Out place place\_8

In place place\_8

Out place place\_14

In place place\_14

Out transition 01\_HOOFD\_494a+complete

In transition 01\_HOOFD\_494a+complete

Out place place\_87

In place place\_87

Out transition 01\_HOOFD\_820+complete

In transition 01\_HOOFD\_820+complete

Out transition 01\_HOOFD\_030\_2+complete

In transition 01\_HOOFD\_030\_2+complete

Out place place\_29

In place place\_29

Out transition 09\_AH\_I\_010+complete

In transition 09\_AH\_I\_010+complete

Out transition 01\_HOOFD\_490\_5+complete

In transition 01\_HOOFD\_490\_5+complete

Out place place\_64

In place place\_64

Out transition 04\_BPT\_005+complete

In transition 04\_BPT\_005+complete

Out place place\_56

In place place\_56

Out place place\_81

In place place\_81

Out place place\_50

In place place\_50

Out transition 01\_HOOFD\_065\_0+complete

In transition 01\_HOOFD\_065\_0+complete

Out place place\_61

In place place\_61

Out place place\_113

In place place\_113

In transition 01\_HOOFD\_250\_1+complete

Out transition 01\_BB\_540+complete

In transition 01\_BB\_540+complete

Out transition 01\_HOOFD\_510\_3+complete

In transition 01\_HOOFD\_510\_3+complete

Out place place\_36

In place place\_36

Out place place\_80

In place place\_80

Out place place\_22

In place place\_22

Out transition 01\_HOOFD\_490\_2+complete

In transition 01\_HOOFD\_490\_2+complete

Out place place\_106

In place place\_106

Out place place\_104

In place place\_104

Out place place\_70

In place place\_111

Out place place\_76

Out transition 01\_HOOFD\_490\_4+complete

In transition 01\_HOOFD\_490\_4+complete

Out place place\_73

Out place place\_67

Out transition 01\_HOOFD\_510\_1+complete

In transition 01\_HOOFD\_510\_1+complete

Out place place\_28

In place place\_28

Out transition 01\_HOOFD\_030\_1+complete

In transition 01\_HOOFD\_030\_1+complete

Out place place\_101

In place place\_101

Out place place\_16

In place place\_16

Out place place\_98

In place place\_98

Out transition 01\_HOOFD\_515+complete

In transition 01\_HOOFD\_515+complete

Out place place\_23

In place place\_23

Out place place\_49

Out place place\_32

In place place\_32

Out transition 01\_HOOFD\_815+complete

In transition 01\_HOOFD\_815+complete

Out transition 01\_HOOFD\_490\_1+complete

In transition 01\_HOOFD\_490\_1+complete

Out transition 01\_HOOFD\_491+complete

In transition 01\_HOOFD\_491+complete

Out place place\_45

In place place\_45

Out transition 08\_AWB45\_010+complete

In transition 08\_AWB45\_010+complete

Out place place\_13

In place place\_13

Out place place\_12

In place place\_12

In transition 01\_HOOFD\_814+complete

Out place place\_110

In place place\_110

Out transition 01\_HOOFD\_195+complete

In transition 01\_HOOFD\_195+complete

In place place\_90

Out place place\_109

In place place\_109

Out place place\_0

In place place\_0

Out place place\_96

In place place\_96

In transition END+complete

Out place place\_25

In place place\_25

Out transition 01\_HOOFD\_015+complete

In transition 01\_HOOFD\_015+complete

Out place place\_47

In place place\_47

Out place place\_84

In place place\_84

Out place place\_5

Out transition 01\_HOOFD\_061+complete

In transition 01\_HOOFD\_061+complete

Out transition 02\_DRZ\_010+complete

In transition 02\_DRZ\_010+complete

Out place place\_108

In place place\_108

Out transition 01\_HOOFD\_510\_2+complete

In transition 01\_HOOFD\_510\_2+complete

Out place place\_68

Out place place\_105

In place place\_105

Out place place\_75

In place place\_75

Out place place\_37

In place place\_37

In transition 01\_HOOFD\_510\_0+complete

Out place place\_6

In place place\_6

Out transition 08\_AWB45\_020\_2+complete

In transition 08\_AWB45\_020\_2+complete

Out place place\_79

In place place\_79

Out transition 01\_HOOFD\_810+complete

In transition 01\_HOOFD\_810+complete

Out transition 01\_HOOFD\_500+complete

In transition 01\_HOOFD\_500+complete

Out place place\_51

In place place\_51

Out transition 01\_HOOFD\_520+complete

In transition 01\_HOOFD\_520+complete

Out transition [start>@1664712727119+[start>@1664712727119

Out place place\_69

In place place\_69

Out place place\_112

In place place\_112

Out transition 01\_HOOFD\_050+complete

In transition 01\_HOOFD\_050+complete

Out place place\_95

In place place\_95

Out transition 03\_GBH\_005+complete

Out place place\_27

In place place\_27

In transition 06\_VD\_010+complete

Out transition 01\_HOOFD\_110+complete

In transition 01\_HOOFD\_110+complete

Out place place\_10

In place place\_10

Out place place\_15

In place place\_15

Out transition 05\_EIND\_010+complete

In transition 05\_EIND\_010+complete

Out place place\_34

Out place place\_86

In place place\_86

Out place place\_97

In place place\_97

Out place place\_21

In place place\_21

Out place place\_20

In place place\_20

Out transition 14\_VRIJ\_010+complete

In transition 14\_VRIJ\_010+complete

Out place place\_43

In place place\_43

Out place place\_71

In place place\_71

Out transition 01\_BB\_770+complete

In transition 01\_BB\_770+complete

Out transition 01\_HOOFD\_110\_0+complete

In transition 01\_HOOFD\_110\_0+complete

Out transition 01\_HOOFD\_110\_1+complete

In transition 01\_HOOFD\_110\_1+complete

Out transition 01\_HOOFD\_330+complete

Out place place\_9

In place place\_9

Out place place\_44

In place place\_44

Out place place\_88

In place place\_88

Out transition 01\_HOOFD\_065\_1+complete

In transition 01\_HOOFD\_065\_1+complete

Out place place\_41

In place place\_41

Out place place\_72

In place place\_72

Out transition 01\_HOOFD\_490\_5a+complete

In transition 01\_HOOFD\_490\_5a+complete

Out transition 08\_AWB45\_030+complete

In transition 08\_AWB45\_030+complete

Out transition 01\_HOOFD\_180+complete

In transition 01\_HOOFD\_180+complete

Out transition 13\_CRD\_010+complete

In transition 13\_CRD\_010+complete

Out transition 01\_HOOFD\_011+complete

In transition 01\_HOOFD\_011+complete

Out place place\_35

In place place\_35

Out place place\_46

In place place\_46

Out place place\_55

In place place\_55

Out transition 16\_LGSV\_010+complete

In transition 16\_LGSV\_010+complete

Out transition 01\_HOOFD\_490\_1a+complete

In transition 01\_HOOFD\_490\_1a+complete

Out transition 01\_HOOFD\_510\_2a+complete

In transition 01\_HOOFD\_510\_2a+complete

Out place place\_17

In place place\_17

In transition 01\_HOOFD\_510\_4+complete

Out place place\_107

In place place\_107

Out place place\_24

Out place place\_4

In place place\_4

Out place place\_83

In place place\_83

Out place place\_18

In place place\_18

In transition 01\_HOOFD\_250+complete

Out place place\_30

In place place\_30

Out transition 01\_HOOFD\_495+complete

In transition 01\_HOOFD\_495+complete

Out place place\_85

In place place\_85

|F| = 490

|P U T| = 154

Sum = 124690.0

DiffP = 8

DiffT = 5

Added arc from [start>@1664712727119+[start>@1664712727119 to sink

Removed place place\_59

Removed transition 08\_AWB45\_005+complete

Removed place place\_82

Removed place place\_1

Removed place place\_40

Removed place place\_8

Removed place place\_14

Removed place place\_19

Removed transition 01\_HOOFD\_494a+complete

Removed place place\_87

Removed transition 01\_HOOFD\_820+complete

Removed transition 01\_HOOFD\_030\_2+complete

Removed place place\_29

Removed transition 09\_AH\_I\_010+complete

Removed transition 01\_HOOFD\_490\_5+complete

Removed place place\_64

Removed transition 04\_BPT\_005+complete

Removed place place\_56

Removed place place\_81

Removed place place\_50

Removed transition 01\_HOOFD\_065\_0+complete

Removed place place\_61

Removed place place\_113

Removed place place\_62

Removed transition 01\_HOOFD\_250\_1+complete

Removed transition 01\_BB\_540+complete

Removed transition 01\_HOOFD\_510\_3+complete

Removed place place\_36

Removed place place\_80

Removed place place\_22

Removed transition 01\_HOOFD\_490\_2+complete

Removed place place\_106

Removed place place\_104

Removed place place\_70

Removed place place\_111

Removed place place\_76

Removed place place\_2

Removed transition 01\_HOOFD\_490\_4+complete

Removed place place\_73

Removed place place\_66

Removed place place\_67

Removed transition 01\_HOOFD\_510\_1+complete

Removed place place\_28

Removed transition 01\_HOOFD\_030\_1+complete

Removed place place\_101

Removed place place\_16

Removed place place\_98

Removed transition 01\_HOOFD\_515+complete

Removed place place\_54

Removed place place\_23

Removed place place\_49

Removed place place\_32

Removed transition 01\_HOOFD\_815+complete

Removed transition 01\_HOOFD\_490\_1+complete

Removed transition 01\_HOOFD\_491+complete

Removed place place\_45

Removed transition 08\_AWB45\_010+complete

Removed place place\_13

Removed place place\_31

Removed place place\_12

Removed transition 01\_HOOFD\_814+complete

Removed place place\_110

Removed transition 01\_HOOFD\_195+complete

Removed place place\_90

Removed place place\_109

Removed place place\_0

Removed place place\_96

Removed transition END+complete

Removed place place\_25

Removed transition 01\_HOOFD\_015+complete

Removed place place\_47

Removed place place\_84

Removed place place\_5

Removed place place\_60

Removed transition 01\_HOOFD\_061+complete

Removed transition 02\_DRZ\_010+complete

Removed place place\_108

Removed place place\_89

Removed transition 01\_HOOFD\_510\_2+complete

Removed place place\_68

Removed place place\_105

Removed place place\_75

Removed place place\_37

Removed transition 01\_HOOFD\_510\_0+complete

Removed place place\_6

Removed transition 08\_AWB45\_020\_2+complete

Removed place place\_79

Removed transition 01\_HOOFD\_810+complete

Removed transition 01\_HOOFD\_500+complete

Removed place place\_51

Removed transition 01\_HOOFD\_520+complete

Removed place place\_69

Removed place place\_3

Removed place place\_92

Removed place place\_112

Removed transition 01\_HOOFD\_050+complete

Removed place place\_95

Removed transition 03\_GBH\_005+complete

Removed place place\_27

Removed transition 06\_VD\_010+complete

Removed transition 01\_HOOFD\_110+complete

Removed place place\_10

Removed place place\_11

Removed place place\_15

Removed place place\_74

Removed transition 05\_EIND\_010+complete

Removed place place\_34

Removed place place\_86

Removed place place\_97

Removed place place\_21

Removed place place\_20

Removed transition 14\_VRIJ\_010+complete

Removed place place\_43

Removed place place\_71

Removed transition 01\_BB\_770+complete

Removed transition 01\_HOOFD\_110\_0+complete

Removed place place\_100

Removed transition 01\_HOOFD\_110\_1+complete

Removed transition 01\_HOOFD\_330+complete

Removed place place\_9

Removed place place\_7

Removed place place\_103

Removed place place\_44

Removed place place\_88

Removed transition 01\_HOOFD\_065\_1+complete

Removed place place\_41

Removed place place\_72

Removed transition 01\_HOOFD\_490\_5a+complete

Removed transition 08\_AWB45\_030+complete

Removed transition 01\_HOOFD\_180+complete

Removed transition 13\_CRD\_010+complete

Removed place place\_52

Removed transition 01\_HOOFD\_011+complete

Removed place place\_35

Removed place place\_46

Removed place place\_33

Removed place place\_55

Removed transition 16\_LGSV\_010+complete

Removed transition 01\_HOOFD\_490\_1a+complete

Removed transition 01\_HOOFD\_510\_2a+complete

Removed place place\_17

Removed transition 01\_HOOFD\_510\_4+complete

Removed place place\_107

Removed place place\_24

Removed place place\_4

Removed place place\_83

Removed place place\_18

Removed transition 01\_HOOFD\_250+complete

Removed place place\_30

Removed transition 01\_HOOFD\_495+complete

Removed place place\_85

Metric = 4987600.0