**Metrics for net Petri net**

**Density metric**

0.029006882989183875

**Details**

|F| = 354

|P X T| = 6102

**Extended Cardoso metric**

177.0

**Details**

Place place\_0 = 1

Place place\_1 = 2

Place place\_2 = 2

Place place\_3 = 3

Place place\_4 = 3

Place place\_5 = 2

Place place\_6 = 1

Place place\_7 = 2

Place place\_8 = 2

Place place\_9 = 2

Place place\_10 = 1

Place place\_11 = 1

Place place\_12 = 3

Place place\_13 = 1

Place place\_14 = 2

Place place\_15 = 1

Place place\_16 = 1

Place place\_17 = 1

Place place\_18 = 2

Place place\_19 = 1

Place place\_20 = 2

Place place\_21 = 1

Place place\_22 = 2

Place place\_23 = 2

Place place\_24 = 1

Place place\_25 = 1

Place place\_26 = 1

Place place\_27 = 1

Place place\_28 = 4

Place place\_29 = 1

Place place\_30 = 1

Place place\_31 = 2

Place place\_32 = 1

Place place\_33 = 2

Place place\_34 = 2

Place place\_35 = 2

Place place\_36 = 1

Place place\_37 = 1

Place place\_38 = 1

Place place\_39 = 1

Place place\_40 = 1

Place place\_41 = 2

Place place\_42 = 3

Place place\_43 = 2

Place place\_44 = 2

Place place\_45 = 1

Place place\_46 = 1

Place place\_47 = 1

Place place\_48 = 2

Place place\_49 = 2

Place place\_50 = 2

Place place\_51 = 1

Place place\_52 = 1

Place place\_53 = 1

Place place\_54 = 1

Place place\_55 = 1

Place place\_56 = 2

Place place\_57 = 2

Place place\_58 = 1

Place place\_59 = 1

Place place\_60 = 2

Place place\_61 = 2

Place place\_62 = 1

Place place\_63 = 1

Place place\_64 = 2

Place place\_65 = 1

Place place\_66 = 2

Place place\_67 = 2

Place place\_68 = 1

Place place\_69 = 2

Place place\_70 = 2

Place place\_71 = 3

Place place\_72 = 1

Place place\_73 = 1

Place place\_74 = 1

Place place\_75 = 1

Place place\_76 = 2

Place place\_77 = 2

Place place\_78 = 1

Place place\_79 = 1

Place place\_80 = 2

Place place\_81 = 1

Place place\_82 = 1

Place place\_83 = 2

Place place\_84 = 1

Place place\_85 = 2

Place place\_86 = 2

Place place\_87 = 2

Place place\_88 = 2

Place place\_89 = 1

Place place\_90 = 1

Place place\_91 = 1

Place place\_92 = 2

Place place\_93 = 1

Place place\_94 = 2

Place place\_95 = 1

Place place\_96 = 1

Place place\_97 = 2

Place place\_98 = 1

Place place\_99 = 1

Place place\_100 = 1

Place place\_101 = 3

Place place\_102 = 4

Place place\_103 = 2

Place place\_104 = 2

Place place\_105 = 1

Place place\_106 = 3

Place place\_107 = 2

Place place\_108 = 1

Place place\_109 = 1

Place place\_110 = 2

Place sink = 0

Place source = 1

Metric = 177

**Extended Cyclomatic metric**

105.0

**Details**

|E| = 105

|V| = 94

p = 94

**Number of arcs**

354.0

**Details**

**Number of places**

113.0

**Details**

**Number of transitions**

54.0

**Details**

**Structuredness metric**

101520.0

**Details**

SEQUENCE place\_10

Removed place place\_10

Added arc from 01\_BB\_775+complete to place\_61

Added arc from 01\_BB\_775+complete to place\_55

Removed transition 01\_HOOFD\_809+complete

Sum = 2.0

Metric = 2.0

SEQUENCE place\_15

Removed place place\_15

Added arc from 01\_HOOFD\_250\_1+complete to place\_37

Added arc from 01\_HOOFD\_250\_1+complete to place\_88

Removed transition 01\_HOOFD\_250\_2+complete

Sum = 2.0

Metric = 2.0

SEQUENCE place\_21

Removed place place\_21

Added arc from START+complete to place\_77

Added arc from START+complete to place\_26

Added arc from START+complete to place\_35

Removed transition 01\_HOOFD\_010+complete

Sum = 2.0

Metric = 2.0

SEQUENCE place\_27

Removed place place\_27

Added arc from 01\_HOOFD\_375+complete to place\_58

Removed transition 01\_HOOFD\_380+complete

Sum = 2.0

Metric = 2.0

SEQUENCE place\_58

Removed place place\_58

Added arc from 01\_HOOFD\_375+complete to place\_22

Added arc from 01\_HOOFD\_375+complete to place\_59

Added arc from 01\_HOOFD\_375+complete to place\_87

Added arc from 01\_HOOFD\_375+complete to place\_60

Removed transition 01\_HOOFD\_430+complete

Sum = 3.0

Metric = 3.0

SEQUENCE place\_62

Removed place place\_62

Added arc from [start>@1664712584175+[start>@1664712584175 to place\_77

Added arc from [start>@1664712584175+[start>@1664712584175 to place\_26

Added arc from [start>@1664712584175+[start>@1664712584175 to place\_35

Removed transition START+complete

Sum = 3.0

Metric = 3.0

SEQUENCE place\_72

Removed place place\_72

Added arc from 01\_HOOFD\_015+complete to place\_97

Added arc from 01\_HOOFD\_015+complete to place\_93

Added arc from 01\_HOOFD\_015+complete to place\_94

Removed transition 01\_HOOFD\_020+complete

Sum = 2.0

Metric = 2.0

SEQUENCE place\_74

Removed place place\_74

Added arc from END+complete to sink

Removed transition [end]@1664712584175+[end]@1664712584175

Sum = 2.0

Metric = 2.0

SEQUENCE place\_82

Removed place place\_82

Added arc from 01\_HOOFD\_110\_0+complete to place\_85

Added arc from 01\_HOOFD\_110\_0+complete to place\_1

Added arc from 01\_HOOFD\_110\_0+complete to place\_97

Added arc from 01\_HOOFD\_110\_0+complete to place\_48

Added arc from 01\_HOOFD\_110\_0+complete to place\_56

Added arc from 01\_HOOFD\_110\_0+complete to place\_65

Removed transition 01\_HOOFD\_180+complete

Sum = 2.0

Metric = 2.0

SEQUENCE place\_84

Removed place place\_84

Added arc from 01\_HOOFD\_480+complete to place\_29

Added arc from 01\_HOOFD\_480+complete to place\_107

Added arc from 01\_HOOFD\_480+complete to place\_34

Added arc from 01\_HOOFD\_480+complete to place\_83

Removed transition 01\_HOOFD\_490\_1+complete

Sum = 2.0

Metric = 2.0

SEQUENCE place\_98

Removed place place\_98

Added arc from 01\_HOOFD\_500+complete to place\_40

Added arc from 01\_HOOFD\_500+complete to place\_67

Added arc from 01\_HOOFD\_500+complete to place\_64

Added arc from 01\_HOOFD\_500+complete to place\_28

Removed transition 01\_HOOFD\_510\_0+complete

Sum = 2.0

Metric = 2.0

UNSTRUCTURED source -> sink

Out place place\_92

In place place\_92

Out place place\_60

In place place\_60

Out transition 01\_BB\_775+complete

In transition 01\_BB\_775+complete

Out place place\_31

In place place\_31

Out transition 01\_HOOFD\_490\_4+complete

In transition 01\_HOOFD\_490\_4+complete

Out transition 01\_HOOFD\_494a+complete

In transition 01\_HOOFD\_494a+complete

Out place place\_8

In place place\_8

Out transition 01\_HOOFD\_250\_1+complete

In transition 01\_HOOFD\_250\_1+complete

Out transition 16\_LGSV\_010+complete

In transition 16\_LGSV\_010+complete

Out place place\_57

In place place\_57

Out place place\_23

In place place\_23

Out place place\_94

In place place\_94

Out transition 11\_AH\_II\_010+complete

In transition 11\_AH\_II\_010+complete

Out place place\_49

In place place\_49

Out place place\_18

In place place\_18

Out transition 01\_HOOFD\_510\_3+complete

Out place place\_28

In place place\_28

Out place place\_22

In place place\_22

Out place place\_66

In place place\_66

Out transition 01\_HOOFD\_015+complete

In transition 01\_HOOFD\_015+complete

Out transition 08\_AWB45\_005+complete

In transition 08\_AWB45\_005+complete

Out place place\_20

In place place\_20

Out transition 01\_HOOFD\_011+complete

In transition 01\_HOOFD\_011+complete

Out transition 01\_BB\_540+complete

In transition 01\_BB\_540+complete

Out place place\_48

In place place\_48

Out place place\_4

In place place\_4

Out place place\_80

In place place\_80

Out place place\_87

In place place\_87

Out place place\_85

In place place\_85

Out transition 01\_HOOFD\_510\_1+complete

In transition 01\_HOOFD\_510\_1+complete

Out place place\_106

In place place\_106

Out place place\_1

In place place\_1

Out place place\_61

In place place\_61

Out place place\_34

In place place\_34

Out transition 09\_AH\_I\_010+complete

In transition 09\_AH\_I\_010+complete

Out transition 01\_HOOFD\_500+complete

In transition 01\_HOOFD\_500+complete

Out transition [start>@1664712584175+[start>@1664712584175

Out place place\_70

In place place\_70

Out transition 01\_HOOFD\_490\_1a+complete

In transition 01\_HOOFD\_490\_1a+complete

Out place place\_56

In place place\_56

Out place place\_43

In place place\_43

Out transition 01\_HOOFD\_490\_5+complete

In transition 01\_HOOFD\_490\_5+complete

Out transition 01\_HOOFD\_490\_2+complete

In transition 01\_HOOFD\_490\_2+complete

Out transition 01\_HOOFD\_110\_0+complete

In transition 01\_HOOFD\_110\_0+complete

Out place place\_107

In place place\_107

Out place place\_77

In place place\_77

Out transition 01\_HOOFD\_061+complete

In transition 01\_HOOFD\_061+complete

Out transition 01\_HOOFD\_515+complete

In transition 01\_HOOFD\_515+complete

Out place place\_3

In place place\_3

Out place place\_41

In place place\_41

Out transition 01\_HOOFD\_495+complete

In transition 01\_HOOFD\_495+complete

Out place place\_67

In place place\_67

Out place place\_44

In place place\_44

Out place place\_104

In place place\_104

Out transition 16\_LGSD\_010+complete

In transition 16\_LGSD\_010+complete

Out transition 01\_BB\_770+complete

In transition 01\_BB\_770+complete

Out transition 01\_HOOFD\_375+complete

In transition 01\_HOOFD\_375+complete

Out place place\_12

In place place\_12

In transition END+complete

Out place place\_50

In place place\_50

Out place place\_5

In place place\_5

Out transition 01\_HOOFD\_510\_2+complete

In transition 01\_HOOFD\_510\_2+complete

In transition 01\_HOOFD\_370+complete

Out place place\_83

In place place\_83

Out place place\_71

In place place\_71

Out transition 01\_HOOFD\_195+complete

In transition 01\_HOOFD\_195+complete

Out place place\_101

In place place\_101

Out transition 01\_HOOFD\_065\_1+complete

In transition 01\_HOOFD\_065\_1+complete

Out transition 01\_HOOFD\_065\_2+complete

In transition 01\_HOOFD\_065\_2+complete

Out place place\_103

In place place\_103

Out place place\_88

In place place\_88

Out place place\_97

In place place\_97

Out place place\_14

In place place\_14

Out transition 01\_HOOFD\_330+complete

In transition 01\_HOOFD\_330+complete

Out place place\_7

In place place\_7

Out transition 01\_HOOFD\_490\_5a+complete

In transition 01\_HOOFD\_490\_5a+complete

Out transition 01\_HOOFD\_480+complete

In transition 01\_HOOFD\_480+complete

Out place place\_35

In place place\_35

Out place place\_102

In place place\_102

Out place place\_69

In place place\_69

Out transition 13\_CRD\_010+complete

In transition 13\_CRD\_010+complete

Out place place\_42

In place place\_42

Out transition 01\_HOOFD\_510\_4+complete

In transition 01\_HOOFD\_510\_4+complete

Out transition 04\_BPT\_005+complete

In transition 04\_BPT\_005+complete

Out place place\_110

In place place\_110

Out transition 03\_GBH\_005+complete

Out place place\_2

In place place\_2

Out transition 01\_HOOFD\_491+complete

In transition 01\_HOOFD\_491+complete

Out transition 01\_HOOFD\_200+complete

In transition 01\_HOOFD\_200+complete

Out transition 02\_DRZ\_010+complete

In transition 02\_DRZ\_010+complete

Out place place\_33

In place place\_33

Out place place\_64

In place place\_64

Out transition 01\_HOOFD\_065\_0+complete

In transition 01\_HOOFD\_065\_0+complete

Out place place\_9

In place place\_9

Out place place\_76

In place place\_76

Out place place\_86

In place place\_86

Out transition 01\_HOOFD\_510\_2a+complete

In transition 01\_HOOFD\_510\_2a+complete

|F| = 332

|P U T| = 145

Sum = 50760.0

DiffP = 1

DiffT = 2

Added arc from [start>@1664712584175+[start>@1664712584175 to sink

Removed place place\_92

Removed place place\_60

Removed transition 01\_BB\_775+complete

Removed place place\_31

Removed transition 01\_HOOFD\_490\_4+complete

Removed transition 01\_HOOFD\_494a+complete

Removed place place\_8

Removed place place\_24

Removed transition 01\_HOOFD\_250\_1+complete

Removed transition 16\_LGSV\_010+complete

Removed place place\_57

Removed place place\_23

Removed place place\_108

Removed place place\_81

Removed place place\_94

Removed transition 11\_AH\_II\_010+complete

Removed place place\_49

Removed place place\_89

Removed place place\_18

Removed place place\_0

Removed transition 01\_HOOFD\_510\_3+complete

Removed place place\_51

Removed place place\_28

Removed place place\_22

Removed place place\_32

Removed place place\_66

Removed place place\_73

Removed transition 01\_HOOFD\_015+complete

Removed transition 08\_AWB45\_005+complete

Removed place place\_54

Removed place place\_6

Removed place place\_79

Removed place place\_20

Removed transition 01\_HOOFD\_011+complete

Removed place place\_17

Removed transition 01\_BB\_540+complete

Removed place place\_48

Removed place place\_4

Removed place place\_80

Removed place place\_87

Removed place place\_85

Removed place place\_45

Removed transition 01\_HOOFD\_510\_1+complete

Removed place place\_106

Removed place place\_1

Removed place place\_61

Removed place place\_34

Removed transition 09\_AH\_I\_010+complete

Removed transition 01\_HOOFD\_500+complete

Removed place place\_70

Removed transition 01\_HOOFD\_490\_1a+complete

Removed place place\_75

Removed place place\_56

Removed place place\_43

Removed transition 01\_HOOFD\_490\_5+complete

Removed transition 01\_HOOFD\_490\_2+complete

Removed transition 01\_HOOFD\_110\_0+complete

Removed place place\_78

Removed place place\_107

Removed place place\_59

Removed place place\_77

Removed place place\_39

Removed transition 01\_HOOFD\_061+complete

Removed place place\_53

Removed transition 01\_HOOFD\_515+complete

Removed place place\_3

Removed place place\_41

Removed transition 01\_HOOFD\_495+complete

Removed place place\_47

Removed place place\_16

Removed place place\_52

Removed place place\_67

Removed place place\_40

Removed place place\_44

Removed place place\_25

Removed place place\_104

Removed transition 16\_LGSD\_010+complete

Removed transition 01\_BB\_770+complete

Removed transition 01\_HOOFD\_375+complete

Removed place place\_95

Removed place place\_13

Removed place place\_12

Removed place place\_63

Removed transition END+complete

Removed place place\_50

Removed place place\_90

Removed place place\_5

Removed transition 01\_HOOFD\_510\_2+complete

Removed transition 01\_HOOFD\_370+complete

Removed place place\_83

Removed place place\_29

Removed place place\_71

Removed transition 01\_HOOFD\_195+complete

Removed place place\_101

Removed transition 01\_HOOFD\_065\_1+complete

Removed transition 01\_HOOFD\_065\_2+complete

Removed place place\_93

Removed place place\_103

Removed place place\_88

Removed place place\_97

Removed place place\_65

Removed place place\_91

Removed place place\_14

Removed place place\_11

Removed transition 01\_HOOFD\_330+complete

Removed place place\_30

Removed place place\_7

Removed transition 01\_HOOFD\_490\_5a+complete

Removed transition 01\_HOOFD\_480+complete

Removed place place\_99

Removed place place\_38

Removed place place\_35

Removed place place\_102

Removed place place\_69

Removed place place\_36

Removed transition 13\_CRD\_010+complete

Removed place place\_42

Removed place place\_109

Removed transition 01\_HOOFD\_510\_4+complete

Removed transition 04\_BPT\_005+complete

Removed place place\_110

Removed transition 03\_GBH\_005+complete

Removed place place\_2

Removed transition 01\_HOOFD\_491+complete

Removed transition 01\_HOOFD\_200+complete

Removed transition 02\_DRZ\_010+complete

Removed place place\_33

Removed place place\_64

Removed transition 01\_HOOFD\_065\_0+complete

Removed place place\_68

Removed place place\_26

Removed place place\_9

Removed place place\_76

Removed place place\_46

Removed place place\_105

Removed place place\_86

Removed place place\_55

Removed place place\_37

Removed place place\_96

Removed place place\_100

Removed place place\_19

Removed transition 01\_HOOFD\_510\_2a+complete

Metric = 101520.0