**Metrics for net Petri net**

**Density metric**

0.03199174406604747

**Details**

|F| = 372

|P X T| = 5814

**Extended Cardoso metric**

186.0

**Details**

Place place\_0 = 1

Place place\_1 = 1

Place place\_2 = 1

Place place\_3 = 2

Place place\_4 = 2

Place place\_5 = 2

Place place\_6 = 1

Place place\_7 = 1

Place place\_8 = 1

Place place\_9 = 1

Place place\_10 = 2

Place place\_11 = 2

Place place\_12 = 1

Place place\_13 = 1

Place place\_14 = 5

Place place\_15 = 3

Place place\_16 = 1

Place place\_17 = 1

Place place\_18 = 4

Place place\_19 = 1

Place place\_20 = 1

Place place\_21 = 1

Place place\_22 = 2

Place place\_23 = 1

Place place\_24 = 1

Place place\_25 = 1

Place place\_26 = 4

Place place\_27 = 3

Place place\_28 = 2

Place place\_29 = 1

Place place\_30 = 1

Place place\_31 = 1

Place place\_32 = 2

Place place\_33 = 2

Place place\_34 = 1

Place place\_35 = 1

Place place\_36 = 4

Place place\_37 = 2

Place place\_38 = 1

Place place\_39 = 1

Place place\_40 = 4

Place place\_41 = 2

Place place\_42 = 5

Place place\_43 = 1

Place place\_44 = 1

Place place\_45 = 2

Place place\_46 = 4

Place place\_47 = 1

Place place\_48 = 1

Place place\_49 = 2

Place place\_50 = 1

Place place\_51 = 3

Place place\_52 = 1

Place place\_53 = 2

Place place\_54 = 2

Place place\_55 = 5

Place place\_56 = 1

Place place\_57 = 1

Place place\_58 = 2

Place place\_59 = 2

Place place\_60 = 1

Place place\_61 = 1

Place place\_62 = 1

Place place\_63 = 2

Place place\_64 = 2

Place place\_65 = 1

Place place\_66 = 1

Place place\_67 = 1

Place place\_68 = 2

Place place\_69 = 4

Place place\_70 = 1

Place place\_71 = 2

Place place\_72 = 5

Place place\_73 = 2

Place place\_74 = 1

Place place\_75 = 3

Place place\_76 = 1

Place place\_77 = 2

Place place\_78 = 3

Place place\_79 = 1

Place place\_80 = 1

Place place\_81 = 1

Place place\_82 = 2

Place place\_83 = 2

Place place\_84 = 1

Place place\_85 = 6

Place place\_86 = 1

Place place\_87 = 1

Place place\_88 = 1

Place place\_89 = 1

Place place\_90 = 2

Place place\_91 = 1

Place place\_92 = 5

Place place\_93 = 4

Place place\_94 = 2

Place place\_95 = 1

Place place\_96 = 1

Place place\_97 = 3

Place place\_98 = 1

Place place\_99 = 1

Place source = 1

Place sink = 0

Metric = 186

**Extended Cyclomatic metric**

-1.0

**Details**

Reachability graph is unbounded

**Number of arcs**

372.0

**Details**

**Number of places**

102.0

**Details**

**Number of transitions**

57.0

**Details**

**Structuredness metric**

188505.0

**Details**

SEQUENCE place\_1

Removed place place\_1

Added arc from END+complete to sink

Removed transition [end]@1664712381770+[end]@1664712381770

Sum = 2.0

Metric = 2.0

SEQUENCE place\_8

Removed place place\_8

Added arc from 01\_HOOFD\_195+complete to place\_42

Added arc from 01\_HOOFD\_195+complete to place\_71

Added arc from 01\_HOOFD\_195+complete to place\_76

Removed transition 01\_HOOFD\_200+complete

Sum = 2.0

Metric = 2.0

SEQUENCE place\_12

Removed place place\_12

Added arc from 01\_HOOFD\_814+complete to place\_9

Added arc from 01\_HOOFD\_814+complete to place\_40

Removed transition 01\_HOOFD\_815+complete

Sum = 2.0

Metric = 2.0

SEQUENCE place\_13

Removed place place\_13

Added arc from 01\_HOOFD\_250\_2+complete to place\_82

Added arc from 01\_HOOFD\_250\_2+complete to place\_87

Removed transition 01\_HOOFD\_330+complete

Sum = 2.0

Metric = 2.0

SEQUENCE place\_19

Removed place place\_19

Added arc from START+complete to place\_41

Added arc from START+complete to place\_67

Added arc from START+complete to place\_64

Removed transition 01\_HOOFD\_010+complete

Sum = 2.0

Metric = 2.0

SEQUENCE place\_24

Removed place place\_24

Added arc from 01\_HOOFD\_015+complete to place\_52

Removed transition 01\_HOOFD\_020+complete

Sum = 2.0

Metric = 2.0

SEQUENCE place\_30

Removed place place\_30

Added arc from 01\_HOOFD\_250\_1+complete to place\_82

Added arc from 01\_HOOFD\_250\_1+complete to place\_87

Removed transition 01\_HOOFD\_250\_2+complete

Sum = 3.0

Metric = 3.0

SEQUENCE place\_43

Removed place place\_43

Added arc from 01\_HOOFD\_375+complete to place\_35

Added arc from 01\_HOOFD\_375+complete to place\_54

Removed transition 01\_HOOFD\_380+complete

Sum = 2.0

Metric = 2.0

SEQUENCE place\_50

Removed place place\_50

Added arc from [start>@1664712381770+[start>@1664712381770 to place\_41

Added arc from [start>@1664712381770+[start>@1664712381770 to place\_67

Added arc from [start>@1664712381770+[start>@1664712381770 to place\_64

Removed transition START+complete

Sum = 3.0

Metric = 3.0

SEQUENCE place\_52

Removed place place\_52

Added arc from 01\_HOOFD\_015+complete to place\_83

Added arc from 01\_HOOFD\_015+complete to place\_56

Added arc from 01\_HOOFD\_015+complete to place\_37

Added arc from 01\_HOOFD\_015+complete to place\_11

Removed transition 01\_HOOFD\_030\_1+complete

Sum = 3.0

Metric = 3.0

SEQUENCE place\_65

Removed place place\_65

Added arc from 01\_HOOFD\_110\_1+complete to place\_32

Removed transition 01\_HOOFD\_110\_2+complete

Sum = 2.0

Metric = 2.0

WHILE place\_32

Removed place place\_32

Removed transition 01\_HOOFD\_110\_1+complete

Added arc from 01\_HOOFD\_110\_0+complete to place\_90

Added arc from 01\_HOOFD\_110\_0+complete to place\_47

Added arc from 01\_HOOFD\_110\_0+complete to place\_14

Removed transition 01\_HOOFD\_180+complete

Sum = 6.0

Metric = 6.0

UNSTRUCTURED source -> sink

Out transition 01\_HOOFD\_090+complete

In transition 01\_HOOFD\_090+complete

Out place place\_14

In place place\_14

Out transition 01\_HOOFD\_491+complete

In transition 01\_HOOFD\_491+complete

Out transition 01\_HOOFD\_814+complete

In transition 01\_HOOFD\_814+complete

Out transition 01\_HOOFD\_490\_1a+complete

Out transition 01\_HOOFD\_811+complete

In transition 01\_HOOFD\_811+complete

Out place place\_93

In place place\_93

Out transition 01\_HOOFD\_500+complete

In transition 01\_HOOFD\_500+complete

Out transition 01\_HOOFD\_510\_4+complete

In transition 01\_HOOFD\_510\_4+complete

Out transition 01\_HOOFD\_494a+complete

In transition 01\_HOOFD\_494a+complete

Out place place\_75

In place place\_75

Out place place\_72

In place place\_72

Out place place\_90

In place place\_90

Out place place\_45

In place place\_45

Out transition 13\_CRD\_010+complete

In transition 13\_CRD\_010+complete

Out place place\_41

In place place\_41

Out transition 01\_HOOFD\_195+complete

In transition 01\_HOOFD\_195+complete

Out transition 01\_HOOFD\_110\_0+complete

In transition 01\_HOOFD\_110\_0+complete

Out place place\_51

In place place\_51

Out place place\_42

In place place\_42

Out place place\_82

In place place\_82

Out transition 01\_HOOFD\_480+complete

In transition 01\_HOOFD\_480+complete

Out place place\_10

In place place\_10

Out transition 01\_HOOFD\_490\_2+complete

In transition 01\_HOOFD\_490\_2+complete

Out place place\_15

In place place\_15

Out transition 01\_BB\_540+complete

In transition 01\_BB\_540+complete

Out place place\_36

In place place\_36

Out transition 01\_HOOFD\_810+complete

In transition 01\_HOOFD\_810+complete

Out transition 01\_HOOFD\_490\_1+complete

In transition 01\_HOOFD\_490\_1+complete

Out transition 01\_HOOFD\_375+complete

In transition 01\_HOOFD\_375+complete

Out place place\_46

In place place\_46

Out place place\_5

In place place\_5

Out transition 01\_HOOFD\_510\_3+complete

In transition 01\_HOOFD\_510\_3+complete

Out transition 01\_BB\_770+complete

In transition 01\_BB\_770+complete

Out transition 08\_AWB45\_005+complete

In transition 08\_AWB45\_005+complete

Out transition 01\_HOOFD\_430+complete

In transition 01\_HOOFD\_430+complete

Out transition 01\_HOOFD\_061+complete

In transition 01\_HOOFD\_061+complete

Out transition 01\_HOOFD\_490\_4+complete

In transition 01\_HOOFD\_490\_4+complete

Out place place\_77

In place place\_77

Out transition 01\_HOOFD\_510\_1+complete

In transition 01\_HOOFD\_510\_1+complete

Out place place\_85

In place place\_85

Out transition 09\_AH\_I\_010+complete

In transition 09\_AH\_I\_010+complete

Out place place\_54

In place place\_54

Out place place\_53

In place place\_53

Out place place\_63

In place place\_63

Out transition 11\_AH\_II\_010+complete

In transition 11\_AH\_II\_010+complete

Out place place\_40

In place place\_40

Out transition 01\_HOOFD\_065\_0+complete

In transition 01\_HOOFD\_065\_0+complete

Out place place\_49

In place place\_49

Out place place\_26

In place place\_26

Out place place\_64

In place place\_64

Out transition 01\_HOOFD\_015+complete

In transition 01\_HOOFD\_015+complete

Out transition [start>@1664712381770+[start>@1664712381770

Out place place\_73

In place place\_73

Out transition 01\_BB\_775+complete

In transition 01\_BB\_775+complete

Out place place\_22

In place place\_22

Out place place\_55

In place place\_55

Out place place\_58

In place place\_58

Out transition 01\_HOOFD\_510\_2+complete

In transition 01\_HOOFD\_510\_2+complete

Out transition 01\_HOOFD\_820+complete

In transition 01\_HOOFD\_820+complete

Out place place\_3

In place place\_3

Out place place\_97

In place place\_97

Out transition 01\_HOOFD\_030\_2+complete

In transition 01\_HOOFD\_030\_2+complete

Out place place\_69

In place place\_69

Out transition 01\_HOOFD\_011+complete

In transition 01\_HOOFD\_011+complete

Out place place\_37

In place place\_37

Out place place\_68

In place place\_68

Out place place\_18

In place place\_18

Out place place\_71

In place place\_71

Out place place\_4

In place place\_4

Out transition 01\_HOOFD\_510\_0+complete

Out transition 01\_HOOFD\_250\_1+complete

In transition 01\_HOOFD\_250\_1+complete

Out transition 04\_BPT\_005+complete

In transition 04\_BPT\_005+complete

Out place place\_78

In place place\_78

Out transition 01\_HOOFD\_490\_5+complete

In transition 01\_HOOFD\_490\_5+complete

Out place place\_11

In place place\_11

Out place place\_59

In place place\_59

Out transition 01\_HOOFD\_515+complete

In transition 01\_HOOFD\_515+complete

Out transition 02\_DRZ\_010+complete

In transition 02\_DRZ\_010+complete

Out transition 01\_HOOFD\_510\_2a+complete

In transition 01\_HOOFD\_510\_2a+complete

Out place place\_28

In place place\_28

Out transition 01\_HOOFD\_495+complete

In transition 01\_HOOFD\_495+complete

Out place place\_94

In place place\_94

Out place place\_33

In place place\_33

Out place place\_92

In place place\_92

In transition END+complete

Out place place\_27

In place place\_27

Out place place\_83

In place place\_83

Out transition 01\_HOOFD\_490\_5a+complete

In transition 01\_HOOFD\_490\_5a+complete

|F| = 346

|P U T| = 134

Sum = 62835.0

DiffP = 1

DiffT = 3

Added arc from [start>@1664712381770+[start>@1664712381770 to sink

Removed transition 01\_HOOFD\_090+complete

Removed place place\_14

Removed transition 01\_HOOFD\_491+complete

Removed transition 01\_HOOFD\_814+complete

Removed place place\_87

Removed transition 01\_HOOFD\_490\_1a+complete

Removed place place\_56

Removed transition 01\_HOOFD\_811+complete

Removed place place\_93

Removed transition 01\_HOOFD\_500+complete

Removed transition 01\_HOOFD\_510\_4+complete

Removed transition 01\_HOOFD\_494a+complete

Removed place place\_35

Removed place place\_34

Removed place place\_88

Removed place place\_75

Removed place place\_72

Removed place place\_90

Removed place place\_45

Removed place place\_86

Removed transition 13\_CRD\_010+complete

Removed place place\_17

Removed place place\_41

Removed transition 01\_HOOFD\_195+complete

Removed transition 01\_HOOFD\_110\_0+complete

Removed place place\_51

Removed place place\_42

Removed place place\_82

Removed transition 01\_HOOFD\_480+complete

Removed place place\_10

Removed place place\_62

Removed place place\_9

Removed place place\_6

Removed transition 01\_HOOFD\_490\_2+complete

Removed place place\_15

Removed transition 01\_BB\_540+complete

Removed place place\_74

Removed place place\_16

Removed place place\_60

Removed place place\_44

Removed place place\_38

Removed place place\_36

Removed transition 01\_HOOFD\_810+complete

Removed transition 01\_HOOFD\_490\_1+complete

Removed transition 01\_HOOFD\_375+complete

Removed place place\_31

Removed place place\_2

Removed place place\_46

Removed place place\_5

Removed transition 01\_HOOFD\_510\_3+complete

Removed transition 01\_BB\_770+complete

Removed transition 08\_AWB45\_005+complete

Removed transition 01\_HOOFD\_430+complete

Removed transition 01\_HOOFD\_061+complete

Removed place place\_91

Removed transition 01\_HOOFD\_490\_4+complete

Removed place place\_77

Removed transition 01\_HOOFD\_510\_1+complete

Removed place place\_23

Removed place place\_85

Removed transition 09\_AH\_I\_010+complete

Removed place place\_61

Removed place place\_96

Removed place place\_54

Removed place place\_53

Removed place place\_63

Removed place place\_47

Removed transition 11\_AH\_II\_010+complete

Removed place place\_40

Removed transition 01\_HOOFD\_065\_0+complete

Removed place place\_49

Removed place place\_26

Removed place place\_64

Removed transition 01\_HOOFD\_015+complete

Removed place place\_7

Removed place place\_73

Removed place place\_66

Removed place place\_70

Removed transition 01\_BB\_775+complete

Removed place place\_22

Removed place place\_57

Removed place place\_25

Removed place place\_55

Removed place place\_58

Removed transition 01\_HOOFD\_510\_2+complete

Removed transition 01\_HOOFD\_820+complete

Removed place place\_3

Removed place place\_84

Removed place place\_97

Removed place place\_81

Removed transition 01\_HOOFD\_030\_2+complete

Removed place place\_69

Removed transition 01\_HOOFD\_011+complete

Removed place place\_37

Removed place place\_68

Removed place place\_18

Removed place place\_71

Removed place place\_4

Removed place place\_79

Removed place place\_67

Removed transition 01\_HOOFD\_510\_0+complete

Removed place place\_80

Removed transition 01\_HOOFD\_250\_1+complete

Removed place place\_39

Removed transition 04\_BPT\_005+complete

Removed place place\_29

Removed place place\_89

Removed place place\_95

Removed place place\_78

Removed transition 01\_HOOFD\_490\_5+complete

Removed place place\_11

Removed place place\_0

Removed place place\_48

Removed place place\_20

Removed place place\_59

Removed place place\_99

Removed transition 01\_HOOFD\_515+complete

Removed transition 02\_DRZ\_010+complete

Removed transition 01\_HOOFD\_510\_2a+complete

Removed place place\_28

Removed place place\_21

Removed transition 01\_HOOFD\_495+complete

Removed place place\_76

Removed place place\_94

Removed place place\_33

Removed place place\_92

Removed transition END+complete

Removed place place\_98

Removed place place\_27

Removed place place\_83

Removed transition 01\_HOOFD\_490\_5a+complete

Metric = 188505.0