**Metrics for net Petri net**

**Density metric**

0.03623642439431913

**Details**

|F| = 347

|P X T| = 4788

**Extended Cardoso metric**

172.0

**Details**

Place place\_0 = 1

Place place\_1 = 3

Place place\_2 = 1

Place place\_3 = 2

Place place\_4 = 1

Place place\_5 = 2

Place place\_6 = 4

Place place\_7 = 1

Place place\_8 = 1

Place place\_9 = 6

Place place\_10 = 4

Place place\_11 = 7

Place place\_12 = 5

Place place\_13 = 1

Place place\_14 = 4

Place place\_15 = 2

Place place\_16 = 2

Place place\_17 = 3

Place place\_18 = 1

Place place\_19 = 3

Place place\_20 = 1

Place place\_21 = 1

Place place\_22 = 1

Place place\_23 = 4

Place place\_24 = 3

Place place\_25 = 3

Place place\_26 = 2

Place place\_27 = 1

Place place\_28 = 2

Place place\_29 = 1

Place place\_30 = 2

Place place\_31 = 1

Place place\_32 = 1

Place place\_33 = 1

Place place\_34 = 2

Place place\_35 = 4

Place place\_36 = 5

Place place\_37 = 2

Place place\_38 = 1

Place place\_39 = 1

Place place\_40 = 6

Place place\_41 = 1

Place place\_42 = 1

Place place\_43 = 1

Place place\_44 = 4

Place place\_45 = 5

Place place\_46 = 5

Place place\_47 = 3

Place place\_48 = 1

Place place\_49 = 2

Place place\_50 = 1

Place place\_51 = 1

Place place\_52 = 1

Place place\_53 = 3

Place place\_54 = 2

Place place\_55 = 2

Place place\_56 = 3

Place place\_57 = 5

Place place\_58 = 3

Place place\_59 = 1

Place place\_60 = 1

Place place\_61 = 2

Place place\_62 = 2

Place place\_63 = 1

Place place\_64 = 1

Place place\_65 = 1

Place place\_66 = 3

Place place\_67 = 2

Place place\_68 = 1

Place place\_69 = 1

Place place\_70 = 2

Place place\_71 = 5

Place place\_72 = 4

Place place\_73 = 1

Place source = 1

Place sink = 0

Metric = 172

**Extended Cyclomatic metric**

-1.0

**Details**

Reachability graph is unbounded

**Number of arcs**

347.0

**Details**

**Number of places**

76.0

**Details**

**Number of transitions**

63.0

**Details**

**Structuredness metric**

139360.0

**Details**

SEQUENCE place\_0

Removed place place\_0

Added arc from 01\_HOOFD\_375+complete to place\_48

Removed transition 01\_HOOFD\_380+complete

Sum = 2.0

Metric = 2.0

SEQUENCE place\_2

Removed place place\_2

Added arc from 01\_HOOFD\_250\_1+complete to place\_27

Removed transition 01\_HOOFD\_250\_2+complete

Sum = 2.0

Metric = 2.0

SEQUENCE place\_4

Removed place place\_4

Added arc from 02\_DRZ\_010+complete to place\_24

Removed transition 04\_BPT\_005+complete

Sum = 2.0

Metric = 2.0

SEQUENCE place\_7

Removed place place\_7

Added arc from 01\_HOOFD\_250+complete to place\_27

Added arc from 01\_HOOFD\_250+complete to place\_54

Removed transition 01\_HOOFD\_260+complete

Sum = 2.0

Metric = 2.0

SEQUENCE place\_13

Removed place place\_13

Added arc from 01\_HOOFD\_480+complete to place\_31

Added arc from 01\_HOOFD\_480+complete to place\_67

Removed transition 01\_HOOFD\_490\_1+complete

Sum = 2.0

Metric = 2.0

SEQUENCE place\_21

Removed place place\_21

Added arc from END+complete to sink

Removed transition [end]@1664712300851+[end]@1664712300851

Sum = 2.0

Metric = 2.0

SEQUENCE place\_32

Removed place place\_32

Added arc from 01\_HOOFD\_020+complete to place\_25

Added arc from 01\_HOOFD\_020+complete to place\_57

Added arc from 01\_HOOFD\_020+complete to place\_24

Removed transition 01\_HOOFD\_030\_1+complete

Sum = 2.0

Metric = 2.0

SEQUENCE place\_33

Removed place place\_33

Added arc from 08\_AWB45\_010+complete to place\_68

Added arc from 08\_AWB45\_010+complete to place\_42

Removed transition 08\_AWB45\_020\_1+complete

Sum = 2.0

Metric = 2.0

SEQUENCE place\_38

Removed place place\_38

Added arc from 01\_HOOFD\_370+complete to place\_48

Removed transition 01\_HOOFD\_375+complete

Sum = 3.0

Metric = 3.0

SEQUENCE place\_39

Removed place place\_39

Added arc from 01\_HOOFD\_015+complete to place\_25

Added arc from 01\_HOOFD\_015+complete to place\_57

Added arc from 01\_HOOFD\_015+complete to place\_24

Removed transition 01\_HOOFD\_020+complete

Sum = 3.0

Metric = 3.0

SEQUENCE place\_41

Removed place place\_41

Added arc from [start>@1664712300851+[start>@1664712300851 to place\_43

Removed transition START+complete

Sum = 2.0

Metric = 2.0

SEQUENCE place\_43

Removed place place\_43

Added arc from [start>@1664712300851+[start>@1664712300851 to place\_50

Added arc from [start>@1664712300851+[start>@1664712300851 to place\_49

Removed transition 01\_HOOFD\_010+complete

Sum = 3.0

Metric = 3.0

SEQUENCE place\_48

Removed place place\_48

Added arc from 01\_HOOFD\_370+complete to place\_26

Added arc from 01\_HOOFD\_370+complete to place\_20

Removed transition 01\_HOOFD\_430+complete

Sum = 4.0

Metric = 4.0

SEQUENCE place\_63

Removed place place\_63

Added arc from 01\_HOOFD\_110+complete to place\_61

Added arc from 01\_HOOFD\_110+complete to place\_45

Added arc from 01\_HOOFD\_110+complete to place\_34

Added arc from 01\_HOOFD\_110+complete to place\_53

Added arc from 01\_HOOFD\_110+complete to place\_30

Added arc from 01\_HOOFD\_110+complete to place\_35

Removed transition 01\_HOOFD\_120+complete

Sum = 2.0

Metric = 2.0

MARKED GRAPH 08\_AWB45\_010+complete -> 08\_AWB45\_030+complete

Sum = 8.0

DiffT = 1

Added arc from 08\_AWB45\_010+complete to place\_44

Added arc from 08\_AWB45\_010+complete to place\_60

Removed transition 08\_AWB45\_030+complete

Removed place place\_42

Removed place place\_68

Removed transition 08\_AWB45\_020\_2+complete

Removed place place\_18

Metric = 8.0

UNSTRUCTURED source -> sink

Out transition 01\_HOOFD\_015+complete

In transition 01\_HOOFD\_015+complete

Out transition 01\_HOOFD\_100\_0+complete

Out transition 01\_HOOFD\_050+complete

In transition 01\_HOOFD\_050+complete

Out place place\_55

Out place place\_66

In place place\_66

Out place place\_12

In place place\_12

In place place\_69

Out transition 01\_HOOFD\_180+complete

In transition 01\_HOOFD\_180+complete

Out transition 01\_HOOFD\_490\_4+complete

In transition 01\_HOOFD\_490\_4+complete

Out place place\_71

In place place\_71

Out transition 01\_HOOFD\_011+complete

In transition 01\_HOOFD\_011+complete

Out place place\_28

In place place\_28

Out place place\_24

In place place\_24

Out place place\_36

In place place\_36

Out transition 01\_HOOFD\_500+complete

In transition 01\_HOOFD\_500+complete

Out place place\_54

In place place\_54

Out transition 01\_HOOFD\_065\_0+complete

In transition 01\_HOOFD\_065\_0+complete

Out transition 01\_HOOFD\_110+complete

In transition 01\_HOOFD\_110+complete

Out transition 01\_HOOFD\_510\_1+complete

In transition 01\_HOOFD\_510\_1+complete

Out place place\_19

In place place\_19

Out place place\_15

Out transition 01\_HOOFD\_520+complete

In transition 01\_HOOFD\_520+complete

Out place place\_30

In place place\_30

Out place place\_53

In place place\_53

Out place place\_1

In place place\_1

Out place place\_56

In place place\_56

Out place place\_62

Out transition 08\_AWB45\_005+complete

In transition 08\_AWB45\_005+complete

Out transition 01\_HOOFD\_196+complete

In transition 01\_HOOFD\_196+complete

Out transition 01\_HOOFD\_195+complete

In transition 01\_HOOFD\_195+complete

Out transition 01\_HOOFD\_480+complete

In transition 01\_HOOFD\_480+complete

Out place place\_57

In place place\_57

Out transition 01\_HOOFD\_510\_0+complete

In transition 01\_HOOFD\_510\_0+complete

Out transition 01\_HOOFD\_530+complete

In transition 01\_HOOFD\_530+complete

Out place place\_67

In place place\_67

Out place place\_17

In place place\_17

Out transition [start>@1664712300851+[start>@1664712300851

Out place place\_72

In place place\_72

Out place place\_11

In place place\_11

In place place\_27

Out place place\_47

In place place\_47

Out transition 01\_HOOFD\_490\_5a+complete

In transition 01\_HOOFD\_490\_5a+complete

Out place place\_6

In place place\_6

Out transition 01\_HOOFD\_101+complete

In transition 01\_HOOFD\_101+complete

Out place place\_23

In place place\_23

Out place place\_40

In place place\_40

Out place place\_9

In place place\_9

Out transition 01\_HOOFD\_490\_2+complete

In transition 01\_HOOFD\_490\_2+complete

Out transition 08\_AWB45\_010+complete

In transition 08\_AWB45\_010+complete

Out transition 01\_HOOFD\_510\_2a+complete

In transition 01\_HOOFD\_510\_2a+complete

Out place place\_44

In place place\_44

In transition 02\_DRZ\_010+complete

Out transition 01\_HOOFD\_510\_3+complete

In transition 01\_HOOFD\_510\_3+complete

Out transition 01\_HOOFD\_030\_2+complete

In transition 01\_HOOFD\_030\_2+complete

Out place place\_37

In place place\_37

Out transition 01\_HOOFD\_510\_4+complete

In transition 01\_HOOFD\_510\_4+complete

Out place place\_26

In place place\_26

Out transition 01\_HOOFD\_065\_1+complete

Out transition 01\_HOOFD\_494a+complete

In transition 01\_HOOFD\_494a+complete

In transition 09\_AH\_I\_010+complete

Out place place\_35

In place place\_35

Out place place\_58

In place place\_58

Out place place\_46

In place place\_46

Out transition 08\_AWB45\_040+complete

In transition 08\_AWB45\_040+complete

Out place place\_3

In place place\_3

Out place place\_34

In place place\_34

Out place place\_10

In place place\_10

In transition END+complete

Out transition 01\_HOOFD\_110\_0+complete

In transition 01\_HOOFD\_110\_0+complete

In place place\_8

Out place place\_5

In place place\_5

Out transition 01\_HOOFD\_495+complete

In transition 01\_HOOFD\_495+complete

Out place place\_25

In place place\_25

Out place place\_61

In place place\_61

Out place place\_16

In place place\_16

Out transition 01\_HOOFD\_065\_2+complete

In transition 01\_HOOFD\_065\_2+complete

Out place place\_49

In place place\_49

Out transition 01\_HOOFD\_491+complete

In transition 01\_HOOFD\_491+complete

In transition 01\_HOOFD\_200+complete

Out transition 01\_HOOFD\_370+complete

Out place place\_45

In place place\_45

Out place place\_14

In place place\_14

Out place place\_70

In place place\_70

Out transition 01\_HOOFD\_250+complete

Out transition 01\_HOOFD\_515+complete

In transition 01\_HOOFD\_515+complete

Out transition 01\_HOOFD\_490\_5+complete

In transition 01\_HOOFD\_490\_5+complete

Out transition 01\_HOOFD\_510\_2+complete

In transition 01\_HOOFD\_510\_2+complete

Out transition 01\_HOOFD\_061+complete

In transition 01\_HOOFD\_061+complete

|F| = 313

|P U T| = 106

Sum = 69680.0

DiffP = 1

DiffT = 2

Added arc from [start>@1664712300851+[start>@1664712300851 to sink

Removed transition 01\_HOOFD\_015+complete

Removed transition 01\_HOOFD\_100\_0+complete

Removed transition 01\_HOOFD\_050+complete

Removed transition 01\_HOOFD\_490\_1a+complete

Removed transition 01\_HOOFD\_330+complete

Removed place place\_55

Removed place place\_66

Removed place place\_12

Removed place place\_69

Removed place place\_51

Removed place place\_52

Removed transition 01\_HOOFD\_180+complete

Removed transition 01\_HOOFD\_490\_4+complete

Removed place place\_71

Removed place place\_29

Removed place place\_20

Removed transition 01\_HOOFD\_011+complete

Removed place place\_28

Removed place place\_24

Removed place place\_36

Removed transition 01\_HOOFD\_500+complete

Removed place place\_54

Removed place place\_50

Removed transition 01\_HOOFD\_065\_0+complete

Removed transition 01\_HOOFD\_110+complete

Removed transition 01\_HOOFD\_510\_1+complete

Removed place place\_19

Removed place place\_15

Removed transition 01\_HOOFD\_520+complete

Removed place place\_30

Removed place place\_53

Removed place place\_1

Removed place place\_56

Removed place place\_62

Removed transition 08\_AWB45\_005+complete

Removed transition 01\_HOOFD\_196+complete

Removed transition 01\_HOOFD\_195+complete

Removed transition 01\_HOOFD\_480+complete

Removed place place\_31

Removed place place\_57

Removed place place\_59

Removed transition 11\_AH\_II\_010+complete

Removed transition 01\_HOOFD\_510\_0+complete

Removed place place\_73

Removed transition 01\_HOOFD\_530+complete

Removed place place\_67

Removed place place\_17

Removed place place\_72

Removed place place\_11

Removed place place\_27

Removed place place\_47

Removed transition 01\_HOOFD\_490\_5a+complete

Removed place place\_6

Removed transition 01\_HOOFD\_101+complete

Removed place place\_23

Removed place place\_40

Removed transition 01\_HOOFD\_250\_1+complete

Removed place place\_9

Removed place place\_60

Removed transition 01\_HOOFD\_490\_2+complete

Removed transition 08\_AWB45\_010+complete

Removed transition 01\_HOOFD\_510\_2a+complete

Removed place place\_44

Removed transition 02\_DRZ\_010+complete

Removed transition 01\_HOOFD\_510\_3+complete

Removed transition 01\_HOOFD\_030\_2+complete

Removed place place\_64

Removed place place\_37

Removed transition 01\_HOOFD\_510\_4+complete

Removed place place\_26

Removed transition 01\_HOOFD\_065\_1+complete

Removed transition 01\_HOOFD\_494a+complete

Removed transition 09\_AH\_I\_010+complete

Removed place place\_35

Removed place place\_58

Removed place place\_46

Removed transition 08\_AWB45\_040+complete

Removed place place\_3

Removed place place\_34

Removed place place\_10

Removed transition END+complete

Removed transition 01\_HOOFD\_110\_0+complete

Removed place place\_8

Removed place place\_5

Removed transition 01\_HOOFD\_495+complete

Removed place place\_25

Removed place place\_61

Removed place place\_16

Removed transition 01\_HOOFD\_065\_2+complete

Removed place place\_49

Removed place place\_22

Removed transition 01\_HOOFD\_491+complete

Removed transition 01\_HOOFD\_200+complete

Removed transition 01\_HOOFD\_370+complete

Removed place place\_45

Removed place place\_65

Removed place place\_14

Removed place place\_70

Removed transition 01\_HOOFD\_250+complete

Removed transition 01\_HOOFD\_515+complete

Removed transition 01\_HOOFD\_490\_5+complete

Removed transition 01\_HOOFD\_510\_2+complete

Removed transition 01\_HOOFD\_061+complete

Metric = 139360.0