**Metrics for net Petri net**

**Density metric**

0.008064516129032258

**Details**

|F| = 462

|P X T| = 28644

**Extended Cardoso metric**

231.0

**Details**

Place pi44 = 1

Place po44 = 4

Place pi45 = 1

Place po45 = 6

Place pi46 = 1

Place po46 = 3

Place pi47 = 1

Place po47 = 1

Place pi48 = 1

Place po48 = 1

Place pi49 = 1

Place po49 = 5

Place pi50 = 1

Place po50 = 2

Place pi51 = 1

Place po51 = 2

Place pi52 = 1

Place po52 = 2

Place pi53 = 1

Place po53 = 5

Place pi54 = 1

Place po54 = 5

Place pi10 = 1

Place po10 = 2

Place pi11 = 1

Place po11 = 5

Place pi55 = 1

Place po55 = 3

Place pi12 = 1

Place po12 = 5

Place pi56 = 1

Place po56 = 5

Place pi13 = 1

Place po13 = 4

Place pi57 = 1

Place po57 = 3

Place pi14 = 1

Place po14 = 2

Place pi58 = 1

Place po58 = 3

Place pi15 = 1

Place po15 = 2

Place pi59 = 1

Place po59 = 3

Place pi16 = 1

Place po16 = 1

Place pi17 = 1

Place po17 = 4

Place pi18 = 1

Place po18 = 3

Place pi19 = 1

Place po19 = 1

Place pi0 = 1

Place po0 = 4

Place pi1 = 1

Place po1 = 1

Place pi2 = 1

Place po2 = 2

Place pi3 = 1

Place po3 = 1

Place pi4 = 1

Place po4 = 6

Place pi5 = 1

Place po5 = 5

Place pi6 = 1

Place po6 = 2

Place pi7 = 1

Place po7 = 3

Place pi8 = 1

Place po8 = 1

Place pi9 = 1

Place po9 = 1

Place pi60 = 1

Place po60 = 0

Place pi61 = 1

Place po61 = 1

Place pi20 = 1

Place po20 = 5

Place pi21 = 1

Place po21 = 1

Place pi22 = 1

Place po22 = 1

Place pi23 = 1

Place po23 = 1

Place pi24 = 1

Place po24 = 2

Place pi25 = 1

Place po25 = 3

Place pi26 = 1

Place po26 = 1

Place pi27 = 1

Place po27 = 1

Place pi28 = 1

Place po28 = 2

Place pi29 = 1

Place po29 = 3

Place pi30 = 1

Place po30 = 1

Place pi31 = 1

Place po31 = 1

Place pi32 = 1

Place po32 = 5

Place pi33 = 1

Place po33 = 1

Place pi34 = 1

Place po34 = 8

Place pi35 = 1

Place po35 = 3

Place pi36 = 1

Place po36 = 4

Place pi37 = 1

Place po37 = 3

Place pi38 = 1

Place po38 = 3

Place pi39 = 1

Place po39 = 2

Place pi40 = 1

Place po40 = 4

Place pi41 = 1

Place po41 = 2

Place pi42 = 1

Place po42 = 2

Place pi43 = 1

Place po43 = 1

Metric = 231

**Extended Cyclomatic metric**

114.0

**Details**

|E| = 231

|V| = 124

p = 7

**Number of arcs**

462.0

**Details**

**Number of places**

124.0

**Details**

**Number of transitions**

231.0

**Details**

**Structuredness metric**

3696.0

**Details**

SEQUENCE po47

Removed place po47

Added arc from 01\_HOOFD\_510\_3 to pi49

Removed transition tau

Sum = 2.0

Metric = 2.0

SEQUENCE pi48

Removed place pi48

Added arc from tau to po48

Removed transition 01\_HOOFD\_510\_4

Sum = 2.0

Metric = 2.0

SEQUENCE po48

Removed place po48

Added arc from tau to pi49

Removed transition tau

Sum = 3.0

Metric = 3.0

SEQUENCE po16

Removed place po16

Added arc from 01\_HOOFD\_120 to pi17

Removed transition tau

Sum = 2.0

Metric = 2.0

SEQUENCE po19

Removed place po19

Added arc from 01\_HOOFD\_196 to pi20

Removed transition tau

Sum = 2.0

Metric = 2.0

SEQUENCE pi0

Removed place pi0

Added arc from tau to po0

Removed transition 01\_HOOFD\_010

Sum = 2.0

Metric = 2.0

SEQUENCE po1

Removed place po1

Added arc from 01\_HOOFD\_011 to pi2

Removed transition tau

Sum = 2.0

Metric = 2.0

SEQUENCE pi3

Removed place pi3

Added arc from tau to po3

Removed transition 01\_HOOFD\_020

Sum = 2.0

Metric = 2.0

SEQUENCE po3

Removed place po3

Added arc from tau to pi4

Removed transition tau

Sum = 3.0

Metric = 3.0

SEQUENCE pi8

Removed place pi8

Added arc from tau to po8

Removed transition 01\_HOOFD\_060

Sum = 2.0

Metric = 2.0

SEQUENCE po8

Removed place po8

Added arc from tau to pi11

Removed transition tau

Sum = 3.0

Metric = 3.0

SEQUENCE po9

Removed place po9

Added arc from 01\_HOOFD\_061 to pi10

Removed transition tau

Sum = 2.0

Metric = 2.0

SEQUENCE po61

Removed place po61

Added arc from START to po0

Removed transition tau

Sum = 3.0

Metric = 3.0

SEQUENCE po21

Removed place po21

Added arc from 01\_HOOFD\_250 to pi24

Removed transition tau

Sum = 2.0

Metric = 2.0

SEQUENCE po22

Removed place po22

Added arc from 01\_HOOFD\_250\_1 to pi23

Removed transition tau

Sum = 2.0

Metric = 2.0

SEQUENCE pi23

Removed place pi23

Added arc from 01\_HOOFD\_250\_1 to po23

Removed transition 01\_HOOFD\_250\_2

Sum = 3.0

Metric = 3.0

SEQUENCE po23

Removed place po23

Added arc from 01\_HOOFD\_250\_1 to pi25

Removed transition tau

Sum = 4.0

Metric = 4.0

SEQUENCE pi24

Removed place pi24

Added arc from 01\_HOOFD\_250 to po24

Removed transition 01\_HOOFD\_260

Sum = 3.0

Metric = 3.0

SEQUENCE po26

Removed place po26

Added arc from 01\_HOOFD\_370 to pi27

Removed transition tau

Sum = 2.0

Metric = 2.0

SEQUENCE po27

Removed place po27

Added arc from 01\_HOOFD\_375 to pi28

Removed transition tau

Sum = 2.0

Metric = 2.0

SEQUENCE pi28

Removed place pi28

Added arc from 01\_HOOFD\_375 to po28

Removed transition 01\_HOOFD\_380

Sum = 3.0

Metric = 3.0

SEQUENCE pi29

Removed place pi29

Added arc from tau to po29

Removed transition 01\_HOOFD\_430

Sum = 2.0

Metric = 2.0

SEQUENCE pi30

Removed place pi30

Added arc from tau to po30

Removed transition 01\_HOOFD\_470

Sum = 2.0

Metric = 2.0

SEQUENCE po30

Removed place po30

Added arc from tau to pi31

Removed transition tau

Sum = 3.0

Metric = 3.0

SEQUENCE po31

Removed place po31

Added arc from 01\_HOOFD\_480 to pi32

Removed transition tau

Sum = 2.0

Metric = 2.0

SEQUENCE po33

Removed place po33

Added arc from 01\_HOOFD\_490\_1a to pi34

Removed transition tau

Sum = 2.0

Metric = 2.0

SEQUENCE pi40

Removed place pi40

Added arc from tau to po40

Removed transition 01\_HOOFD\_494a

Sum = 2.0

Metric = 2.0

SEQUENCE pi43

Removed place pi43

Added arc from tau to po43

Removed transition 01\_HOOFD\_510\_0

Sum = 2.0

Metric = 2.0

SEQUENCE po43

Removed place po43

Added arc from tau to pi44

Removed transition tau

Sum = 3.0

Metric = 3.0

STATE MACHINE pi61 -> po60

Sum = 462.0

DiffP = 8

Added arc from START to po60

Removed place po13

Removed transition tau

Removed transition 01\_HOOFD\_510\_2a

Removed place po29

Removed place po37

Removed transition tau

Removed transition tau

Removed transition tau

Removed transition tau

Removed transition tau

Removed transition 11\_AH\_II\_010

Removed transition tau

Removed place po14

Removed transition 01\_HOOFD\_510\_3

Removed place pi34

Removed transition 04\_BPT\_005

Removed transition tau

Removed transition tau

Removed place pi46

Removed transition tau

Removed transition 01\_HOOFD\_030\_1

Removed transition 01\_HOOFD\_015

Removed transition 01\_HOOFD\_495

Removed transition tau

Removed transition tau

Removed place pi25

Removed transition tau

Removed place pi35

Removed transition tau

Removed transition 03\_GBH\_005

Removed transition tau

Removed transition tau

Removed transition 01\_HOOFD\_195

Removed transition tau

Removed place pi33

Removed transition 01\_HOOFD\_480

Removed transition tau

Removed place po49

Removed place pi11

Removed transition tau

Removed transition tau

Removed transition 01\_HOOFD\_100

Removed transition tau

Removed place po46

Removed place po28

Removed place pi15

Removed transition tau

Removed transition tau

Removed place pi31

Removed transition 01\_HOOFD\_490\_5a

Removed transition tau

Removed place po5

Removed transition tau

Removed place pi51

Removed transition tau

Removed transition tau

Removed transition tau

Removed transition tau

Removed place pi13

Removed place pi60

Removed transition tau

Removed transition tau

Removed transition 01\_HOOFD\_065\_0

Removed transition 13\_CRD\_010

Removed place po11

Removed transition tau

Removed transition tau

Removed transition tau

Removed transition tau

Removed transition tau

Removed place pi4

Removed place po7

Removed transition tau

Removed transition tau

Removed transition 01\_HOOFD\_510\_1

Removed transition tau

Removed transition tau

Removed transition tau

Removed place pi44

Removed place pi36

Removed place po10

Removed transition tau

Removed transition tau

Removed transition tau

Removed transition 02\_DRZ\_010

Removed place pi55

Removed place pi53

Removed place pi39

Removed transition tau

Removed transition tau

Removed place po57

Removed place po34

Removed transition tau

Removed transition tau

Removed place pi56

Removed transition tau

Removed transition tau

Removed transition tau

Removed transition 01\_HOOFD\_250\_1

Removed place po35

Removed transition tau

Removed transition tau

Removed transition tau

Removed place pi58

Removed place po55

Removed place po17

Removed transition tau

Removed transition 01\_HOOFD\_370

Removed place po42

Removed transition tau

Removed transition 01\_HOOFD\_065\_1

Removed transition tau

Removed place pi18

Removed place pi10

Removed place po56

Removed transition tau

Removed transition tau

Removed place po41

Removed transition tau

Removed place po58

Removed transition tau

Removed transition 01\_HOOFD\_490\_4

Removed place pi1

Removed place pi7

Removed place po50

Removed place po2

Removed transition tau

Removed transition tau

Removed transition 01\_HOOFD\_065\_2

Removed transition tau

Removed place po40

Removed transition tau

Removed transition tau

Removed transition tau

Removed transition tau

Removed place po38

Removed transition tau

Removed place po53

Removed transition 01\_HOOFD\_490\_5

Removed transition 01\_HOOFD\_510\_2

Removed transition tau

Removed transition tau

Removed transition tau

Removed place pi16

Removed place po25

Removed place po52

Removed transition tau

Removed transition tau

Removed transition 08\_AWB45\_005

Removed transition tau

Removed place pi54

Removed transition tau

Removed place pi42

Removed transition tau

Removed place po24

Removed transition tau

Removed transition tau

Removed transition 01\_HOOFD\_490\_1a

Removed transition tau

Removed transition tau

Removed place pi59

Removed transition tau

Removed transition 01\_HOOFD\_490\_2

Removed transition tau

Removed transition tau

Removed transition tau

Removed place pi47

Removed transition tau

Removed place po6

Removed transition END

Removed transition tau

Removed transition tau

Removed place pi41

Removed transition tau

Removed transition tau

Removed place pi57

Removed transition tau

Removed transition tau

Removed transition tau

Removed transition tau

Removed place pi22

Removed place po45

Removed place po51

Removed transition 01\_HOOFD\_490\_3

Removed transition tau

Removed place pi26

Removed place pi21

Removed transition tau

Removed transition tau

Removed place pi52

Removed place po18

Removed transition 01\_HOOFD\_515

Removed transition tau

Removed place po15

Removed transition tau

Removed transition 01\_HOOFD\_200

Removed transition tau

Removed transition tau

Removed place pi50

Removed place po0

Removed transition 01\_HOOFD\_040

Removed transition tau

Removed transition tau

Removed transition tau

Removed transition tau

Removed place pi12

Removed place pi37

Removed transition 09\_AH\_I\_010

Removed transition 01\_HOOFD\_490\_1

Removed transition 01\_HOOFD\_110

Removed transition tau

Removed place pi5

Removed transition tau

Removed transition tau

Removed place po20

Removed transition tau

Removed transition tau

Removed transition tau

Removed transition 01\_HOOFD\_030\_2

Removed place pi6

Removed transition tau

Removed transition tau

Removed transition tau

Removed transition tau

Removed transition tau

Removed transition tau

Removed place pi17

Removed place pi49

Removed place po44

Removed transition tau

Removed transition tau

Removed transition tau

Removed transition tau

Removed transition tau

Removed place po32

Removed transition tau

Removed transition tau

Removed transition 01\_HOOFD\_196

Removed transition tau

Removed place po54

Removed place pi2

Removed transition tau

Removed transition tau

Removed place pi45

Removed place pi19

Removed transition 01\_HOOFD\_500

Removed transition tau

Removed transition tau

Removed transition 01\_HOOFD\_520

Removed transition tau

Removed transition tau

Removed transition tau

Removed transition 01\_HOOFD\_491

Removed transition 01\_HOOFD\_180

Removed transition 01\_HOOFD\_050

Removed transition tau

Removed transition tau

Removed transition tau

Removed transition tau

Removed transition 01\_HOOFD\_330

Removed transition tau

Removed transition 06\_VD\_010

Removed transition 01\_HOOFD\_250

Removed transition tau

Removed transition tau

Removed place po4

Removed place po36

Removed transition tau

Removed transition tau

Removed transition tau

Removed transition tau

Removed transition tau

Removed transition 01\_HOOFD\_110\_0

Removed transition tau

Removed transition 01\_HOOFD\_061

Removed transition 01\_HOOFD\_120

Removed place pi32

Removed place po39

Removed place po12

Removed place po59

Removed place pi20

Removed transition 05\_EIND\_010

Removed transition 01\_HOOFD\_011

Removed place pi14

Removed transition 01\_HOOFD\_375

Removed transition tau

Removed place pi27

Removed place pi9

Removed transition tau

Removed transition tau

Removed transition tau

Removed place pi38

Removed transition tau

Removed transition tau

Metric = 3696.0