**Metrics for net Petri net**

**Density metric**

0.007764876632801161

**Details**

|F| = 428

|P X T| = 27560

**Extended Cardoso metric**

212.0

**Details**

Place pi44 = 1

Place po44 = 5

Place pi45 = 1

Place po45 = 2

Place pi46 = 1

Place po46 = 1

Place pi47 = 1

Place po47 = 2

Place pi48 = 1

Place po48 = 3

Place pi49 = 1

Place po49 = 2

Place pi50 = 1

Place po50 = 1

Place pi51 = 1

Place po51 = 1

Place pi52 = 1

Place po52 = 2

Place pi53 = 1

Place po53 = 3

Place pi10 = 1

Place po10 = 2

Place pi54 = 1

Place po54 = 4

Place pi55 = 1

Place po55 = 3

Place pi11 = 1

Place po11 = 2

Place pi12 = 1

Place po12 = 4

Place pi56 = 1

Place po56 = 2

Place pi13 = 1

Place po13 = 6

Place pi57 = 1

Place po57 = 4

Place pi14 = 1

Place po14 = 2

Place pi58 = 1

Place po58 = 3

Place pi59 = 1

Place po59 = 2

Place pi15 = 1

Place po15 = 4

Place pi16 = 1

Place po16 = 2

Place pi17 = 1

Place po17 = 1

Place pi18 = 1

Place po18 = 1

Place pi19 = 1

Place po19 = 4

Place pi0 = 1

Place po0 = 3

Place pi1 = 1

Place po1 = 1

Place pi2 = 1

Place po2 = 1

Place pi3 = 1

Place po3 = 3

Place pi4 = 1

Place po4 = 1

Place pi5 = 1

Place po5 = 1

Place pi6 = 1

Place po6 = 4

Place pi7 = 1

Place po7 = 2

Place pi8 = 1

Place po8 = 4

Place pi9 = 1

Place po9 = 1

Place pi60 = 1

Place po60 = 4

Place pi61 = 1

Place po61 = 2

Place pi62 = 1

Place po62 = 2

Place pi63 = 1

Place po63 = 0

Place pi20 = 1

Place po20 = 1

Place pi64 = 1

Place po64 = 1

Place pi21 = 1

Place po21 = 4

Place pi22 = 1

Place po22 = 1

Place pi23 = 1

Place po23 = 1

Place pi24 = 1

Place po24 = 1

Place pi25 = 1

Place po25 = 1

Place pi26 = 1

Place po26 = 3

Place pi27 = 1

Place po27 = 1

Place pi28 = 1

Place po28 = 1

Place pi29 = 1

Place po29 = 1

Place pi30 = 1

Place po30 = 2

Place pi31 = 1

Place po31 = 1

Place pi32 = 1

Place po32 = 3

Place pi33 = 1

Place po33 = 1

Place pi34 = 1

Place po34 = 5

Place pi35 = 1

Place po35 = 3

Place pi36 = 1

Place po36 = 3

Place pi37 = 1

Place po37 = 2

Place pi38 = 1

Place po38 = 2

Place pi39 = 1

Place po39 = 3

Place pi40 = 1

Place po40 = 2

Place pi41 = 1

Place po41 = 1

Place pi42 = 1

Place po42 = 2

Place pi43 = 1

Place po43 = 4

Metric = 212

**Extended Cyclomatic metric**

7246.0

**Details**

|E| = 10002

|V| = 3433

p = 677

**Number of arcs**

428.0

**Details**

**Number of places**

130.0

**Details**

**Number of transitions**

212.0

**Details**

**Structuredness metric**

361924.0

**Details**

SEQUENCE pi46

Removed place pi46

Added arc from tau to po46

Removed transition 01\_HOOFD\_510\_3

Sum = 2.0

Metric = 2.0

SEQUENCE po46

Removed place po46

Added arc from tau to pi48

Removed transition tau

Sum = 3.0

Metric = 3.0

SEQUENCE pi50

Removed place pi50

Added arc from tau to po50

Removed transition 01\_HOOFD\_530

Sum = 2.0

Metric = 2.0

SEQUENCE pi51

Removed place pi51

Added arc from tau to po51

Removed transition 01\_HOOFD\_809

Sum = 2.0

Metric = 2.0

SEQUENCE po51

Removed place po51

Added arc from tau to pi1

Removed transition tau

Sum = 3.0

Metric = 3.0

SEQUENCE pi59

Removed place pi59

Added arc from tau to po59

Removed transition 11\_AH\_II\_010

Sum = 2.0

Metric = 2.0

SEQUENCE po17

Removed place po17

Added arc from 01\_HOOFD\_110\_0 to pi19

Removed transition tau

Sum = 2.0

Metric = 2.0

SEQUENCE po18

Removed place po18

Added arc from 01\_HOOFD\_120 to pi19

Removed transition tau

Sum = 2.0

Metric = 2.0

SEQUENCE po2

Removed place po2

Added arc from 01\_BB\_775 to pi1

Removed transition tau

Sum = 4.0

Metric = 4.0

SEQUENCE pi3

Removed place pi3

Added arc from tau to po3

Removed transition 01\_HOOFD\_010

Sum = 2.0

Metric = 2.0

SEQUENCE po4

Removed place po4

Added arc from 01\_HOOFD\_011 to pi5

Removed transition tau

Sum = 2.0

Metric = 2.0

SEQUENCE po5

Removed place po5

Added arc from 01\_HOOFD\_015 to pi6

Removed transition tau

Sum = 2.0

Metric = 2.0

SEQUENCE pi6

Removed place pi6

Added arc from 01\_HOOFD\_015 to po6

Removed transition 01\_HOOFD\_020

Sum = 3.0

Metric = 3.0

SEQUENCE pi7

Removed place pi7

Added arc from tau to po7

Removed transition 01\_HOOFD\_040

Sum = 2.0

Metric = 2.0

SEQUENCE po9

Removed place po9

Added arc from 01\_HOOFD\_060 to pi12

Removed transition tau

Sum = 2.0

Metric = 2.0

SEQUENCE pi60

Removed place pi60

Added arc from tau to po60

Removed transition 13\_CRD\_010

Sum = 2.0

Metric = 2.0

SEQUENCE po20

Removed place po20

Added arc from 01\_HOOFD\_195 to pi21

Removed transition tau

Sum = 2.0

Metric = 2.0

SEQUENCE po64

Removed place po64

Added arc from START to po3

Removed transition tau

Sum = 3.0

Metric = 3.0

SEQUENCE pi22

Removed place pi22

Added arc from tau to po22

Removed transition 01\_HOOFD\_250

Sum = 2.0

Metric = 2.0

SEQUENCE po22

Removed place po22

Added arc from tau to pi25

Removed transition tau

Sum = 3.0

Metric = 3.0

SEQUENCE po23

Removed place po23

Added arc from 01\_HOOFD\_250\_1 to pi24

Removed transition tau

Sum = 2.0

Metric = 2.0

SEQUENCE pi24

Removed place pi24

Added arc from 01\_HOOFD\_250\_1 to po24

Removed transition 01\_HOOFD\_250\_2

Sum = 3.0

Metric = 3.0

SEQUENCE po24

Removed place po24

Added arc from 01\_HOOFD\_250\_1 to pi26

Removed transition tau

Sum = 4.0

Metric = 4.0

SEQUENCE pi25

Removed place pi25

Added arc from tau to po25

Removed transition 01\_HOOFD\_260

Sum = 4.0

Metric = 4.0

SEQUENCE po25

Removed place po25

Added arc from tau to pi26

Removed transition tau

Sum = 5.0

Metric = 5.0

SEQUENCE po27

Removed place po27

Added arc from 01\_HOOFD\_370 to pi28

Removed transition tau

Sum = 2.0

Metric = 2.0

SEQUENCE po28

Removed place po28

Added arc from 01\_HOOFD\_375 to pi29

Removed transition tau

Sum = 2.0

Metric = 2.0

SEQUENCE pi29

Removed place pi29

Added arc from 01\_HOOFD\_375 to po29

Removed transition 01\_HOOFD\_380

Sum = 3.0

Metric = 3.0

SEQUENCE po29

Removed place po29

Added arc from 01\_HOOFD\_375 to pi30

Removed transition tau

Sum = 4.0

Metric = 4.0

SEQUENCE pi30

Removed place pi30

Added arc from 01\_HOOFD\_375 to po30

Removed transition 01\_HOOFD\_430

Sum = 5.0

Metric = 5.0

SEQUENCE po31

Removed place po31

Added arc from 01\_HOOFD\_480 to pi32

Removed transition tau

Sum = 2.0

Metric = 2.0

SEQUENCE pi32

Removed place pi32

Added arc from 01\_HOOFD\_480 to po32

Removed transition 01\_HOOFD\_490\_1

Sum = 3.0

Metric = 3.0

SEQUENCE po33

Removed place po33

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

Removed transition tau

Sum = 2.0

Metric = 2.0

SEQUENCE pi39

Removed place pi39

Added arc from tau to po39

Removed transition 01\_HOOFD\_494a

Sum = 2.0

Metric = 2.0

SEQUENCE pi41

Removed place pi41

Added arc from tau to po41

Removed transition 01\_HOOFD\_500

Sum = 2.0

Metric = 2.0

SEQUENCE po41

Removed place po41

Added arc from tau to pi42

Removed transition tau

Sum = 3.0

Metric = 3.0

SEQUENCE pi42

Removed place pi42

Added arc from tau to po42

Removed transition 01\_HOOFD\_510\_0

Sum = 4.0

Metric = 4.0

UNSTRUCTURED po3 -> pi63

Out place po58

Out place po35

In place pi44

In place pi47

Out transition tau

In place pi56

Out place po52

Out place po19

In place pi12

Out place po3

In place pi31

In place pi14

Out transition tau

In place pi58

Out place po49

Out place po37

In place pi1

In place pi9

Out place po10

Out place po43

In place pi45

Out place po16

Out place po44

Out place po7

Out place po12

In place pi40

Out place po57

In place pi17

In place pi37

In place pi27

In place pi52

Out place po59

Out place po53

In place pi54

In place pi49

Out place po6

Out place po36

In transition tau

In place pi63

In place pi28

In place pi61

In place pi0

In place pi26

In place pi15

In place pi33

Out place po32

In place pi34

Out place po47

In place pi53

Out place po40

In place pi62

In place pi21

Out place po56

Out place po8

In place pi5

In place pi11

Out place po11

In place pi36

Out place po61

Out place po48

In place pi8

In place pi35

In place pi19

In place pi18

Out place po60

Out place po0

Out place po34

Out place po38

In place pi23

Out place po39

In place pi48

In place pi10

Out place po30

Out place po54

Out place po21

Out place po26

Out place po45

Out place po55

In place pi13

In place pi38

Out place po62

Out place po42

Out place po15

In place pi55

In place pi43

Out place po13

In place pi57

Out place po14

In transition tau

In place pi20

In place pi16

|F| = 350

|P U T| = 264

Sum = 90480.0

DiffP = 4

DiffT = 1

Added arc from tau to pi63

Removed transition tau

Removed transition tau

Removed transition tau

Removed transition tau

Removed transition 16\_LGSD\_010

Removed transition tau

Removed transition tau

Removed transition tau

Removed transition tau

Removed transition 01\_HOOFD\_065\_0

Removed transition 01\_HOOFD\_065\_1

Removed place po58

Removed transition tau

Removed transition tau

Removed place po35

Removed transition tau

Removed transition 01\_HOOFD\_491

Removed transition tau

Removed transition tau

Removed transition 01\_HOOFD\_490\_4

Removed transition tau

Removed transition tau

Removed transition tau

Removed place pi44

Removed transition 01\_HOOFD\_490\_5

Removed transition 01\_HOOFD\_050

Removed transition 01\_HOOFD\_490\_2

Removed place pi47

Removed transition tau

Removed transition tau

Removed transition tau

Removed place pi56

Removed transition tau

Removed transition tau

Removed transition tau

Removed transition tau

Removed transition 08\_AWB45\_005

Removed transition tau

Removed transition tau

Removed place po52

Removed transition tau

Removed place po19

Removed place pi12

Removed transition tau

Removed place pi31

Removed place pi14

Removed transition tau

Removed transition tau

Removed transition tau

Removed transition tau

Removed transition tau

Removed transition tau

Removed transition tau

Removed place pi58

Removed transition 01\_HOOFD\_515

Removed transition tau

Removed transition tau

Removed transition tau

Removed transition tau

Removed transition tau

Removed transition 01\_HOOFD\_520

Removed transition tau

Removed transition tau

Removed transition tau

Removed transition 01\_HOOFD\_061

Removed transition tau

Removed transition tau

Removed transition tau

Removed place po49

Removed place po37

Removed transition tau

Removed transition tau

Removed place pi1

Removed transition tau

Removed transition 01\_HOOFD\_510\_4

Removed transition tau

Removed transition tau

Removed place pi9

Removed transition tau

Removed place po1

Removed place po10

Removed place po43

Removed transition 01\_HOOFD\_495

Removed place pi45

Removed transition tau

Removed transition tau

Removed place po16

Removed place po44

Removed transition tau

Removed place po7

Removed place po12

Removed transition tau

Removed transition 01\_BB\_770

Removed transition tau

Removed transition tau

Removed place pi40

Removed transition 01\_HOOFD\_060

Removed transition tau

Removed place po50

Removed place po57

Removed place pi17

Removed place pi37

Removed transition tau

Removed place pi27

Removed transition tau

Removed transition tau

Removed place pi52

Removed transition 01\_HOOFD\_101

Removed place po59

Removed place po53

Removed transition tau

Removed transition 01\_HOOFD\_330

Removed transition tau

Removed place pi54

Removed place pi49

Removed transition tau

Removed transition tau

Removed place po6

Removed place po36

Removed transition tau

Removed transition tau

Removed transition tau

Removed transition 01\_HOOFD\_480

Removed place pi28

Removed transition 01\_HOOFD\_110

Removed transition 01\_HOOFD\_510\_1

Removed transition tau

Removed place pi61

Removed transition tau

Removed place pi0

Removed place pi26

Removed transition 01\_BB\_775

Removed place pi15

Removed place pi33

Removed place po32

Removed transition tau

Removed place pi34

Removed place po47

Removed place pi53

Removed transition 05\_EIND\_010

Removed transition tau

Removed transition tau

Removed transition 01\_HOOFD\_510\_2

Removed place po40

Removed transition tau

Removed place pi62

Removed place pi2

Removed place pi21

Removed transition tau

Removed place po56

Removed transition tau

Removed transition 01\_HOOFD\_200

Removed transition tau

Removed place po8

Removed place pi5

Removed place pi11

Removed transition 01\_HOOFD\_490\_1a

Removed transition tau

Removed transition tau

Removed place po11

Removed place pi36

Removed transition 06\_VD\_010

Removed transition tau

Removed transition 09\_AH\_I\_010

Removed transition tau

Removed transition tau

Removed transition tau

Removed transition 01\_HOOFD\_015

Removed transition 01\_BB\_540

Removed transition tau

Removed transition tau

Removed place po61

Removed transition tau

Removed transition tau

Removed transition tau

Removed transition tau

Removed transition tau

Removed place po48

Removed transition 01\_HOOFD\_100

Removed transition tau

Removed transition tau

Removed place pi8

Removed transition tau

Removed transition 01\_HOOFD\_120

Removed place pi35

Removed transition tau

Removed transition 01\_HOOFD\_375

Removed transition 01\_HOOFD\_180

Removed place pi19

Removed transition 03\_GBH\_005

Removed transition 01\_HOOFD\_510\_2a

Removed place pi18

Removed place po60

Removed place po0

Removed place po34

Removed place pi4

Removed transition 01\_HOOFD\_490\_5a

Removed place po38

Removed transition tau

Removed transition tau

Removed place pi23

Removed transition 04\_BPT\_005

Removed transition tau

Removed place po39

Removed place pi48

Removed place pi10

Removed place po30

Removed place po54

Removed transition tau

Removed place po21

Removed transition tau

Removed transition tau

Removed transition tau

Removed transition 01\_HOOFD\_011

Removed transition tau

Removed transition tau

Removed transition 01\_HOOFD\_110\_0

Removed place po26

Removed transition tau

Removed place po45

Removed transition tau

Removed place po55

Removed transition 16\_LGSV\_010

Removed transition tau

Removed transition tau

Removed transition tau

Removed transition tau

Removed transition 01\_HOOFD\_065\_2

Removed transition 01\_HOOFD\_370

Removed transition tau

Removed place pi13

Removed place pi38

Removed transition tau

Removed transition tau

Removed transition tau

Removed place po62

Removed transition tau

Removed transition 01\_HOOFD\_195

Removed place po42

Removed transition tau

Removed transition tau

Removed place po15

Removed transition tau

Removed transition tau

Removed place pi55

Removed transition 01\_HOOFD\_250\_1

Removed place pi43

Removed transition tau

Removed transition tau

Removed transition tau

Removed transition tau

Removed place po13

Removed place pi57

Removed place po14

Removed transition tau

Removed transition tau

Removed transition tau

Removed place pi20

Removed transition 02\_DRZ\_010

Removed transition tau

Removed place pi16

Metric = 361920.0

SEQUENCE po3

Removed place po3

Added arc from START to pi63

Removed transition tau

Sum = 361923.0

Metric = 361923.0

SEQUENCE pi63

Removed place pi63

Added arc from START to po63

Removed transition END

Sum = 361924.0

Metric = 361924.0