**Metrics for net Petri net**

**Density metric**

0.006143407298734641

**Details**

|F| = 536

|P X T| = 43624

**Extended Cardoso metric**

264.0

**Details**

Place pi44 = 1

Place po44 = 3

Place pi45 = 1

Place po45 = 3

Place pi46 = 1

Place po46 = 3

Place pi47 = 1

Place po47 = 2

Place pi48 = 1

Place po48 = 3

Place pi49 = 1

Place po49 = 2

Place pi50 = 1

Place po50 = 3

Place pi51 = 1

Place po51 = 1

Place pi52 = 1

Place po52 = 3

Place pi53 = 1

Place po53 = 7

Place pi10 = 1

Place po10 = 2

Place pi54 = 1

Place po54 = 3

Place pi11 = 1

Place po11 = 1

Place pi55 = 1

Place po55 = 2

Place pi12 = 1

Place po12 = 2

Place pi56 = 1

Place po56 = 1

Place pi13 = 1

Place po13 = 3

Place pi57 = 1

Place po57 = 6

Place pi14 = 1

Place po14 = 3

Place pi58 = 1

Place po58 = 1

Place pi59 = 1

Place po59 = 1

Place pi15 = 1

Place po15 = 4

Place pi16 = 1

Place po16 = 3

Place pi17 = 1

Place po17 = 1

Place pi18 = 1

Place po18 = 1

Place pi19 = 1

Place po19 = 1

Place pi0 = 1

Place po0 = 2

Place pi1 = 1

Place po1 = 3

Place pi2 = 1

Place po2 = 3

Place pi3 = 1

Place po3 = 3

Place pi4 = 1

Place po4 = 1

Place pi5 = 1

Place po5 = 1

Place pi6 = 1

Place po6 = 2

Place pi7 = 1

Place po7 = 4

Place pi8 = 1

Place po8 = 5

Place pi9 = 1

Place po9 = 2

Place pi60 = 1

Place po60 = 1

Place pi61 = 1

Place po61 = 4

Place pi62 = 1

Place po62 = 1

Place pi63 = 1

Place po63 = 1

Place pi64 = 1

Place po64 = 1

Place pi20 = 1

Place po20 = 2

Place pi65 = 1

Place po65 = 3

Place pi21 = 1

Place po21 = 1

Place pi66 = 1

Place po66 = 3

Place pi22 = 1

Place po22 = 1

Place pi67 = 1

Place po67 = 3

Place pi23 = 1

Place po23 = 2

Place pi24 = 1

Place po24 = 2

Place pi68 = 1

Place po68 = 5

Place pi25 = 1

Place po25 = 4

Place pi69 = 1

Place po69 = 1

Place pi26 = 1

Place po26 = 2

Place pi27 = 1

Place po27 = 1

Place pi28 = 1

Place po28 = 4

Place pi29 = 1

Place po29 = 1

Place pi70 = 1

Place po70 = 1

Place pi71 = 1

Place po71 = 2

Place pi72 = 1

Place po72 = 2

Place pi73 = 1

Place po73 = 1

Place pi30 = 1

Place po30 = 1

Place pi74 = 1

Place po74 = 4

Place pi31 = 1

Place po31 = 1

Place pi75 = 1

Place po75 = 2

Place pi76 = 1

Place po76 = 3

Place pi32 = 1

Place po32 = 1

Place pi33 = 1

Place po33 = 1

Place pi77 = 1

Place po77 = 4

Place pi78 = 1

Place po78 = 2

Place pi34 = 1

Place po34 = 3

Place pi35 = 1

Place po35 = 1

Place pi79 = 1

Place po79 = 2

Place pi36 = 1

Place po36 = 1

Place pi37 = 1

Place po37 = 2

Place pi38 = 1

Place po38 = 3

Place pi39 = 1

Place po39 = 1

Place pi80 = 1

Place po80 = 0

Place pi81 = 1

Place po81 = 1

Place pi40 = 1

Place po40 = 2

Place pi41 = 1

Place po41 = 1

Place pi42 = 1

Place po42 = 4

Place pi43 = 1

Place po43 = 2

Metric = 264

**Extended Cyclomatic metric**

6877.0

**Details**

|E| = 10001

|V| = 3578

p = 454

**Number of arcs**

536.0

**Details**

**Number of places**

164.0

**Details**

**Number of transitions**

266.0

**Details**

**Structuredness metric**

2098804.0

**Details**

SEQUENCE pi48

Removed place pi48

Added arc from tau to po48

Removed transition 01\_HOOFD\_494a

Sum = 2.0

Metric = 2.0

SEQUENCE pi50

Removed place pi50

Added arc from tau to po50

Removed transition 01\_HOOFD\_500

Sum = 2.0

Metric = 2.0

SEQUENCE pi51

Removed place pi51

Added arc from tau to po51

Removed transition 01\_HOOFD\_510\_0

Sum = 2.0

Metric = 2.0

SEQUENCE po51

Removed place po51

Added arc from tau to pi52

Removed transition tau

Sum = 3.0

Metric = 3.0

SEQUENCE pi11

Removed place pi11

Added arc from tau to po11

Removed transition 01\_HOOFD\_060

Sum = 2.0

Metric = 2.0

SEQUENCE po11

Removed place po11

Added arc from tau to pi14

Removed transition tau

Sum = 3.0

Metric = 3.0

SEQUENCE pi56

Removed place pi56

Added arc from tau to po56

Removed transition 01\_HOOFD\_510\_4

Sum = 2.0

Metric = 2.0

SEQUENCE po56

Removed place po56

Added arc from tau to pi57

Removed transition tau

Sum = 3.0

Metric = 3.0

SEQUENCE pi58

Removed place pi58

Added arc from tau to po58

Removed transition 01\_HOOFD\_520

Sum = 2.0

Metric = 2.0

SEQUENCE po58

Removed place po58

Added arc from tau to pi59

Removed transition tau

Sum = 3.0

Metric = 3.0

SEQUENCE pi59

Removed place pi59

Added arc from tau to po59

Removed transition 01\_HOOFD\_530

Sum = 4.0

Metric = 4.0

SEQUENCE po59

Removed place po59

Added arc from tau to pi0

Removed transition tau

Sum = 5.0

Metric = 5.0

SEQUENCE pi17

Removed place pi17

Added arc from tau to po17

Removed transition 01\_HOOFD\_100

Sum = 2.0

Metric = 2.0

SEQUENCE po17

Removed place po17

Added arc from tau to pi73

Removed transition tau

Sum = 3.0

Metric = 3.0

SEQUENCE pi18

Removed place pi18

Added arc from tau to po18

Removed transition 01\_HOOFD\_101b

Sum = 2.0

Metric = 2.0

SEQUENCE po18

Removed place po18

Added arc from tau to pi60

Removed transition tau

Sum = 3.0

Metric = 3.0

SEQUENCE po19

Removed place po19

Added arc from 01\_HOOFD\_110 to pi23

Removed transition tau

Sum = 2.0

Metric = 2.0

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 po60

Removed place po60

Added arc from 01\_HOOFD\_809 to pi62

Removed transition tau

Sum = 2.0

Metric = 2.0

SEQUENCE po62

Removed place po62

Added arc from 01\_HOOFD\_811 to pi63

Removed transition tau

Sum = 2.0

Metric = 2.0

SEQUENCE po63

Removed place po63

Added arc from 01\_HOOFD\_814 to pi64

Removed transition tau

Sum = 2.0

Metric = 2.0

SEQUENCE pi64

Removed place pi64

Added arc from 01\_HOOFD\_814 to po64

Removed transition 01\_HOOFD\_815

Sum = 3.0

Metric = 3.0

SEQUENCE po64

Removed place po64

Added arc from 01\_HOOFD\_814 to pi65

Removed transition tau

Sum = 4.0

Metric = 4.0

SEQUENCE po21

Removed place po21

Added arc from 01\_HOOFD\_110\_1 to pi22

Removed transition tau

Sum = 2.0

Metric = 2.0

SEQUENCE pi22

Removed place pi22

Added arc from 01\_HOOFD\_110\_1 to po22

Removed transition 01\_HOOFD\_110\_2

Sum = 3.0

Metric = 3.0

SEQUENCE po22

Removed place po22

Added arc from 01\_HOOFD\_110\_1 to pi25

Removed transition tau

Sum = 4.0

Metric = 4.0

SEQUENCE pi23

Removed place pi23

Added arc from 01\_HOOFD\_110 to po23

Removed transition 01\_HOOFD\_120

Sum = 3.0

Metric = 3.0

SEQUENCE pi24

Removed place pi24

Added arc from tau to po24

Removed transition 01\_HOOFD\_130

Sum = 2.0

Metric = 2.0

SEQUENCE pi69

Removed place pi69

Added arc from tau to po69

Removed transition 04\_BPT\_010

Sum = 2.0

Metric = 2.0

SEQUENCE po69

Removed place po69

Added arc from tau to pi70

Removed transition tau

Sum = 3.0

Metric = 3.0

SEQUENCE po27

Removed place po27

Added arc from 01\_HOOFD\_196 to pi28

Removed transition tau

Sum = 2.0

Metric = 2.0

SEQUENCE po29

Removed place po29

Added arc from 01\_HOOFD\_250 to pi32

Removed transition tau

Sum = 2.0

Metric = 2.0

SEQUENCE pi70

Removed place pi70

Added arc from tau to po70

Removed transition 04\_BPT\_020

Sum = 4.0

Metric = 4.0

SEQUENCE po70

Removed place po70

Added arc from tau to pi71

Removed transition tau

Sum = 5.0

Metric = 5.0

SEQUENCE pi71

Removed place pi71

Added arc from tau to po71

Removed transition 04\_BPT\_030

Sum = 6.0

Metric = 6.0

SEQUENCE po73

Removed place po73

Added arc from 06\_VD\_010 to pi26

Removed transition tau

Sum = 2.0

Metric = 2.0

SEQUENCE po30

Removed place po30

Added arc from 01\_HOOFD\_250\_1 to pi31

Removed transition tau

Sum = 2.0

Metric = 2.0

SEQUENCE pi31

Removed place pi31

Added arc from 01\_HOOFD\_250\_1 to po31

Removed transition 01\_HOOFD\_250\_2

Sum = 3.0

Metric = 3.0

SEQUENCE po31

Removed place po31

Added arc from 01\_HOOFD\_250\_1 to pi34

Removed transition tau

Sum = 4.0

Metric = 4.0

SEQUENCE pi32

Removed place pi32

Added arc from 01\_HOOFD\_250 to po32

Removed transition 01\_HOOFD\_260

Sum = 3.0

Metric = 3.0

SEQUENCE po32

Removed place po32

Added arc from 01\_HOOFD\_250 to pi34

Removed transition tau

Sum = 4.0

Metric = 4.0

SEQUENCE pi33

Removed place pi33

Added arc from tau to po33

Removed transition 01\_HOOFD\_270

Sum = 2.0

Metric = 2.0

SEQUENCE po33

Removed place po33

Added arc from tau to pi29

Removed transition tau

Sum = 3.0

Metric = 3.0

SEQUENCE pi77

Removed place pi77

Added arc from tau to po77

Removed transition 13\_CRD\_010

Sum = 2.0

Metric = 2.0

SEQUENCE po35

Removed place po35

Added arc from 01\_HOOFD\_370 to pi36

Removed transition tau

Sum = 2.0

Metric = 2.0

SEQUENCE po36

Removed place po36

Added arc from 01\_HOOFD\_375 to pi37

Removed transition tau

Sum = 2.0

Metric = 2.0

SEQUENCE pi37

Removed place pi37

Added arc from 01\_HOOFD\_375 to po37

Removed transition 01\_HOOFD\_380

Sum = 3.0

Metric = 3.0

SEQUENCE pi38

Removed place pi38

Added arc from tau to po38

Removed transition 01\_HOOFD\_430

Sum = 2.0

Metric = 2.0

SEQUENCE po39

Removed place po39

Added arc from 01\_HOOFD\_480 to pi40

Removed transition tau

Sum = 2.0

Metric = 2.0

SEQUENCE po81

Removed place po81

Added arc from START to po3

Removed transition tau

Sum = 3.0

Metric = 3.0

SEQUENCE pi41

Removed place pi41

Added arc from tau to po41

Removed transition 01\_HOOFD\_490\_1a

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 pi43

Removed place pi43

Added arc from tau to po43

Removed transition 01\_HOOFD\_490\_3

Sum = 2.0

Metric = 2.0

CHOICE tau

Removed transition tau

Sum = 4.0

Metric = 6.0

SEQUENCE po55

Removed place po55

Added arc from 01\_HOOFD\_510\_3 to pi57

Removed transition tau

Sum = 7.0

Metric = 7.0

SEQUENCE pi57

Removed place pi57

Added arc from 01\_HOOFD\_510\_3 to po57

Removed transition 01\_HOOFD\_515

Sum = 8.0

Metric = 8.0

UNSTRUCTURED po3 -> pi80

In place pi66

Out place po7

Out place po49

Out place po9

In place pi60

Out place po15

In place pi0

Out place po20

In place pi25

In place pi40

In place pi73

In place pi46

In place pi78

Out place po16

Out place po43

In place pi27

Out place po76

In place pi74

Out place po74

Out place po1

In place pi1

Out place po25

In place pi9

In place pi45

In place pi16

Out place po77

In place pi39

In place pi7

In place pi67

Out place po0

In place pi42

Out place po75

Out place po3

In transition tau

In place pi54

Out place po71

Out place po53

In place pi14

Out place po78

Out place po46

Out place po14

Out place po38

In place pi49

Out place po72

Out place po37

In place pi30

In place pi62

In place pi10

In place pi80

In place pi4

Out place po2

In place pi72

In place pi63

Out place po8

In place pi12

In place pi35

In place pi47

Out place po40

In place pi13

Out place po44

In place pi36

Out place po6

In place pi28

In place pi15

Out place po12

In place pi75

In place pi29

In place pi52

In place pi79

Out place po67

Out place po54

Out place po68

In place pi55

In place pi19

Out place po66

In place pi26

In place pi61

In place pi44

Out place po45

In place pi53

Out place po34

In place pi68

Out place po28

Out place po48

In place pi2

In place pi8

Out place po65

In place pi76

In place pi20

Out place po61

Out place po79

Out place po26

In transition tau

In place pi65

Out place po23

Out place po13

Out place po10

Out transition tau

Out place po57

Out place po52

In place pi5

In place pi34

Out place po42

Out place po50

Out place po47

In place pi21

In transition tau

Out place po24

|F| = 414

|P U T| = 309

Sum = 139920.0

DiffP = 5

DiffT = 3

Added arc from tau to pi80

Removed transition tau

Removed transition tau

Removed place pi66

Removed transition tau

Removed transition tau

Removed transition tau

Removed transition 16\_LGSV\_010

Removed transition 01\_HOOFD\_510\_1

Removed transition tau

Removed place po7

Removed transition tau

Removed place po49

Removed transition tau

Removed place po9

Removed place pi60

Removed transition tau

Removed transition tau

Removed transition 01\_BB\_540

Removed place po15

Removed place pi0

Removed place po20

Removed transition tau

Removed transition tau

Removed transition tau

Removed place pi25

Removed transition 01\_HOOFD\_510\_2

Removed transition 01\_HOOFD\_196

Removed transition tau

Removed place pi40

Removed transition tau

Removed transition tau

Removed place pi73

Removed place pi46

Removed place pi78

Removed transition tau

Removed place po16

Removed transition tau

Removed transition tau

Removed place po43

Removed transition 03\_GBH\_005

Removed transition 01\_HOOFD\_250\_1

Removed transition 01\_HOOFD\_110

Removed transition tau

Removed transition 01\_HOOFD\_510\_2a

Removed transition 01\_HOOFD\_015

Removed place pi27

Removed place po76

Removed transition tau

Removed place pi74

Removed transition tau

Removed transition tau

Removed place po74

Removed transition tau

Removed place po1

Removed transition tau

Removed place pi1

Removed transition tau

Removed transition tau

Removed transition tau

Removed place po25

Removed place pi9

Removed transition 01\_BB\_770

Removed transition tau

Removed place pi45

Removed transition tau

Removed transition tau

Removed transition tau

Removed place pi16

Removed transition tau

Removed place po77

Removed place pi39

Removed transition tau

Removed transition tau

Removed transition 01\_HOOFD\_065\_2

Removed place pi7

Removed transition tau

Removed transition tau

Removed place pi67

Removed transition 01\_HOOFD\_375

Removed transition 01\_HOOFD\_490\_5a

Removed transition tau

Removed transition tau

Removed place po0

Removed transition 01\_HOOFD\_110\_1

Removed place pi42

Removed place po75

Removed transition tau

Removed place pi54

Removed transition 01\_HOOFD\_011

Removed transition tau

Removed transition tau

Removed transition tau

Removed place po71

Removed place po53

Removed transition tau

Removed transition tau

Removed transition tau

Removed transition tau

Removed transition tau

Removed transition tau

Removed transition tau

Removed transition tau

Removed transition tau

Removed transition 01\_HOOFD\_180

Removed place pi14

Removed transition tau

Removed place po78

Removed place po46

Removed transition 01\_HOOFD\_050

Removed place po14

Removed place po38

Removed place pi49

Removed place po72

Removed transition tau

Removed transition tau

Removed transition tau

Removed place po37

Removed place pi30

Removed transition tau

Removed transition tau

Removed transition tau

Removed transition tau

Removed transition 09\_AH\_I\_010

Removed transition tau

Removed place pi62

Removed transition tau

Removed place pi10

Removed place pi4

Removed transition tau

Removed transition tau

Removed transition tau

Removed transition tau

Removed transition 01\_HOOFD\_810

Removed place po2

Removed transition 01\_HOOFD\_811

Removed transition 01\_HOOFD\_495

Removed transition tau

Removed transition tau

Removed transition tau

Removed transition 01\_HOOFD\_480

Removed transition tau

Removed place pi72

Removed transition tau

Removed place pi63

Removed place po8

Removed place pi12

Removed transition 01\_BB\_775

Removed place pi35

Removed transition tau

Removed place pi47

Removed transition tau

Removed transition tau

Removed transition tau

Removed transition tau

Removed place po40

Removed transition tau

Removed place pi13

Removed transition 01\_HOOFD\_490\_2

Removed transition 02\_DRZ\_010

Removed place po44

Removed transition tau

Removed transition tau

Removed place pi36

Removed transition tau

Removed transition 01\_HOOFD\_820

Removed transition 01\_HOOFD\_491

Removed place po6

Removed transition 01\_HOOFD\_330

Removed transition tau

Removed transition 06\_VD\_010

Removed transition tau

Removed place pi28

Removed transition tau

Removed place pi15

Removed transition tau

Removed transition tau

Removed place po12

Removed transition 01\_HOOFD\_490\_5

Removed transition tau

Removed transition 05\_EIND\_010

Removed transition tau

Removed transition tau

Removed place pi75

Removed transition tau

Removed transition tau

Removed transition 01\_HOOFD\_040

Removed transition tau

Removed place pi29

Removed transition tau

Removed transition tau

Removed transition 08\_AWB45\_005

Removed transition 01\_HOOFD\_510\_3

Removed transition tau

Removed transition tau

Removed place pi52

Removed place pi79

Removed transition tau

Removed transition tau

Removed place po67

Removed place po54

Removed transition tau

Removed place po68

Removed transition tau

Removed transition tau

Removed transition tau

Removed transition tau

Removed place pi55

Removed transition tau

Removed transition tau

Removed transition tau

Removed transition tau

Removed transition tau

Removed place pi19

Removed transition tau

Removed transition 11\_AH\_II\_010

Removed transition 16\_LGSD\_010

Removed transition tau

Removed transition tau

Removed transition tau

Removed transition 01\_HOOFD\_030\_1

Removed place po66

Removed transition tau

Removed transition 01\_HOOFD\_490\_4

Removed transition tau

Removed place pi26

Removed transition 04\_BPT\_005

Removed transition tau

Removed place pi61

Removed place pi44

Removed transition tau

Removed place po45

Removed place pi53

Removed transition tau

Removed transition tau

Removed place po34

Removed transition tau

Removed transition tau

Removed transition 01\_HOOFD\_061

Removed place pi68

Removed transition tau

Removed place po28

Removed place po48

Removed place pi2

Removed transition tau

Removed place pi8

Removed place po65

Removed transition 01\_HOOFD\_195

Removed transition tau

Removed transition 01\_HOOFD\_370

Removed transition 01\_HOOFD\_090

Removed transition 01\_HOOFD\_250

Removed place pi76

Removed place pi20

Removed transition tau

Removed place po61

Removed transition tau

Removed place po79

Removed transition tau

Removed transition tau

Removed transition 01\_HOOFD\_490\_1

Removed transition 01\_HOOFD\_110\_0

Removed transition tau

Removed place po26

Removed transition tau

Removed transition tau

Removed transition tau

Removed transition tau

Removed transition tau

Removed place pi65

Removed place po23

Removed place po13

Removed transition 01\_HOOFD\_065\_1

Removed place po10

Removed transition tau

Removed transition tau

Removed transition tau

Removed place po57

Removed transition tau

Removed transition tau

Removed transition 01\_HOOFD\_200

Removed transition tau

Removed place po52

Removed transition 01\_HOOFD\_809

Removed place pi5

Removed place pi34

Removed transition tau

Removed transition tau

Removed transition tau

Removed transition tau

Removed place po42

Removed place po50

Removed transition tau

Removed transition tau

Removed transition tau

Removed transition tau

Removed transition 01\_HOOFD\_065\_0

Removed transition 01\_HOOFD\_814

Removed place po47

Removed transition tau

Removed transition tau

Removed place pi21

Removed transition tau

Removed transition tau

Removed transition 01\_HOOFD\_030\_2

Removed place po24

Removed transition tau

Metric = 2098800.0

SEQUENCE po3

Removed place po3

Added arc from START to pi80

Removed transition tau

Sum = 2098803.0

Metric = 2098803.0

SEQUENCE pi80

Removed place pi80

Added arc from START to po80

Removed transition END

Sum = 2098804.0

Metric = 2098804.0