**Metrics for net 198a0be2-1477-4b3f-93ee-7e990217dd9f**

**Density metric**

0.008563899868247694

**Details**

|F| = 416

|P X T| = 24288

**Extended Cardoso metric**

163.0

**Details**

Place source 629 = 1

Place sink 630 = 0

Place sink 631 = 1

Place source 634 = 1

Place sink 635 = 1

Place source 636 = 1

Place sink 637 = 1

Place sink 639 = 1

Place sink 640 = 1

Place source 641 = 2

Place sink 642 = 1

Place middle 643 = 2

Place replacement source 644 = 1

Place source 645 = 1

Place sink 646 = 1

Place source 647 = 2

Place sink 648 = 1

Place middle 649 = 2

Place replacement source 650 = 1

Place source 651 = 1

Place sink 652 = 1

Place source 653 = 1

Place sink 654 = 1

Place sink 655 = 1

Place source 656 = 1

Place sink 657 = 1

Place source 658 = 1

Place sink 659 = 1

Place source 660 = 1

Place sink 661 = 1

Place sink 663 = 1

Place source 665 = 1

Place sink 666 = 1

Place source 667 = 1

Place sink 668 = 1

Place source 669 = 1

Place sink 670 = 1

Place source 671 = 1

Place sink 672 = 1

Place source 673 = 1

Place sink 674 = 1

Place source 675 = 1

Place sink 676 = 1

Place source 677 = 2

Place sink 678 = 1

Place middle 679 = 2

Place replacement source 680 = 1

Place source 681 = 1

Place sink 682 = 1

Place sink 683 = 1

Place source 684 = 1

Place sink 685 = 1

Place source 686 = 2

Place sink 687 = 1

Place middle 688 = 2

Place replacement source 689 = 1

Place source 690 = 2

Place sink 691 = 1

Place middle 692 = 2

Place replacement source 693 = 1

Place source 694 = 1

Place sink 695 = 1

Place sink 697 = 1

Place sink 698 = 1

Place source 699 = 2

Place sink 700 = 1

Place middle 701 = 2

Place replacement source 702 = 1

Place source 703 = 1

Place sink 704 = 1

Place source 705 = 2

Place sink 706 = 1

Place sink 707 = 1

Place source 708 = 1

Place sink 709 = 1

Place source 710 = 1

Place sink 711 = 1

Place sink 712 = 1

Place sink 713 = 1

Place source 714 = 1

Place sink 715 = 1

Place sink 716 = 1

Place source 717 = 2

Place sink 718 = 1

Place middle 719 = 2

Place replacement source 720 = 1

Place source 721 = 2

Place sink 722 = 1

Place middle 723 = 2

Place replacement source 724 = 1

Place source 725 = 1

Place sink 726 = 1

Place sink 727 = 1

Place source 728 = 2

Place sink 729 = 1

Place middle 730 = 2

Place replacement source 731 = 1

Place source 732 = 1

Place sink 733 = 1

Place sink 734 = 1

Place sink 735 = 1

Place source 736 = 1

Place sink 737 = 1

Place source 738 = 1

Place sink 739 = 1

Place sink 740 = 1

Place sink 741 = 1

Place sink 742 = 1

Place sink 743 = 1

Place sink 744 = 1

Place source 745 = 1

Place sink 746 = 1

Place source 747 = 1

Place sink 748 = 1

Place sink 749 = 1

Place source 750 = 1

Place sink 751 = 1

Place source 752 = 1

Place sink 753 = 1

Place sink 754 = 1

Place source 755 = 2

Place sink 756 = 1

Place middle 757 = 2

Place replacement source 758 = 1

Place source 759 = 2

Place sink 760 = 1

Place middle 761 = 2

Place replacement source 762 = 1

Place source 763 = 2

Place sink 764 = 2

Place sink 766 = 1

Place sink 767 = 1

Place sink 768 = 2

Place source 769 = 1

Place sink 770 = 1

Place source 771 = 1

Place sink 772 = 1

Place sink 773 = 1

Metric = 163

**Extended Cyclomatic metric**

9889.0

**Details**

|E| = 10004

|V| = 1818

p = 1703

**Number of arcs**

416.0

**Details**

**Number of places**

138.0

**Details**

**Number of transitions**

176.0

**Details**

**Structuredness metric**

12104.0

**Details**

SEQUENCE sink 631

Removed place sink 631

Added arc from START to source 634

Added arc from START to source 636

Added arc from START to source 641

Added arc from START to source 645

Added arc from START to source 647

Added arc from START to source 651

Added arc from START to source 653

Removed transition 01\_HOOFD\_010

Sum = 2.0

Metric = 2.0

CHOICE tau from tree

Removed transition 01\_HOOFD\_490\_3

Sum = 2.0

Metric = 3.0

CHOICE tau from tree

Removed transition 01\_HOOFD\_510\_2

Sum = 2.0

Metric = 3.0

CHOICE tau from tree

Removed transition 01\_HOOFD\_250

Sum = 2.0

Metric = 3.0

CHOICE tau from tree

Removed transition 01\_HOOFD\_065\_2

Sum = 2.0

Metric = 3.0

CHOICE tau from tree

Removed transition 01\_HOOFD\_011

Sum = 2.0

Metric = 3.0

SEQUENCE sink 655

Removed place sink 655

Added arc from tau from tree to source 656

Added arc from tau from tree to source 658

Added arc from tau from tree to source 660

Added arc from tau from tree to source 665

Added arc from tau from tree to source 667

Added arc from tau from tree to source 669

Added arc from tau from tree to source 671

Removed transition tau split

Sum = 4.0

Metric = 4.0

CHOICE tau from tree

Removed transition 01\_HOOFD\_490\_2

Sum = 2.0

Metric = 3.0

CHOICE tau from tree

Removed transition 01\_HOOFD\_030\_1

Sum = 2.0

Metric = 3.0

CHOICE tau from tree

Removed transition 05\_EIND\_010

Sum = 2.0

Metric = 3.0

CHOICE tau from tree

Removed transition 01\_HOOFD\_015

Sum = 2.0

Metric = 3.0

CHOICE tau from tree

Removed transition 01\_HOOFD\_030\_2

Sum = 2.0

Metric = 3.0

CHOICE tau from tree

Removed transition 03\_GBH\_005

Sum = 2.0

Metric = 3.0

CHOICE tau from tree

Removed transition 01\_HOOFD\_020

Sum = 2.0

Metric = 3.0

CHOICE tau from tree

Removed transition 01\_HOOFD\_250\_1

Sum = 2.0

Metric = 3.0

CHOICE tau from tree

Removed transition 01\_HOOFD\_490\_1

Sum = 2.0

Metric = 3.0

CHOICE tau from tree

Removed transition 01\_HOOFD\_040

Sum = 2.0

Metric = 3.0

SEQUENCE sink 683

Removed place sink 683

Added arc from tau from tree to source 684

Added arc from tau from tree to source 686

Added arc from tau from tree to source 690

Added arc from tau from tree to source 694

Added arc from tau from tree to source 699

Added arc from tau from tree to source 703

Added arc from tau from tree to source 705

Removed transition tau split

Sum = 4.0

Metric = 4.0

CHOICE tau from tree

Removed transition 01\_HOOFD\_330

Sum = 2.0

Metric = 3.0

CHOICE tau from tree

Removed transition 01\_HOOFD\_195

Sum = 2.0

Metric = 3.0

CHOICE tau from tree

Removed transition 01\_HOOFD\_050

Sum = 2.0

Metric = 3.0

CHOICE tau from tree

Removed transition 02\_DRZ\_010

Sum = 2.0

Metric = 3.0

CHOICE tau from tree

Removed transition 01\_HOOFD\_061

Sum = 2.0

Metric = 3.0

CHOICE tau from tree

Removed transition 01\_HOOFD\_065\_0

Sum = 2.0

Metric = 3.0

SEQUENCE sink 712

Removed place sink 712

Added arc from tau from tree to sink 713

Removed transition tau from tree

Sum = 6.0

Metric = 6.0

CHOICE tau from tree

Removed transition 01\_HOOFD\_110\_0

Sum = 2.0

Metric = 3.0

SEQUENCE sink 713

Removed place sink 713

Added arc from tau from tree to sink 711

Removed transition tau from tree

Sum = 9.0

Metric = 9.0

CHOICE tau from tree

Removed transition 04\_BPT\_005

Sum = 2.0

Metric = 3.0

CHOICE tau from tree

Removed transition 01\_HOOFD\_065\_1

Sum = 2.0

Metric = 3.0

SEQUENCE sink 716

Removed place sink 716

Added arc from tau from tree to source 717

Added arc from tau from tree to source 721

Added arc from tau from tree to source 725

Removed transition tau split

Sum = 4.0

Metric = 4.0

CHOICE tau from tree

Removed transition 06\_VD\_010

Sum = 2.0

Metric = 3.0

CHOICE tau from tree

Removed transition 01\_HOOFD\_260

Sum = 2.0

Metric = 3.0

SEQUENCE sink 698

Removed place sink 698

Added arc from tau join to sink 727

Removed transition tau from tree

Sum = 4.0

Metric = 4.0

SEQUENCE sink 727

Removed place sink 727

Added arc from tau join to source 728

Added arc from tau join to source 732

Removed transition tau split

Sum = 5.0

Metric = 5.0

CHOICE tau from tree

Removed transition 01\_HOOFD\_196

Sum = 2.0

Metric = 3.0

CHOICE tau from tree

Removed transition 01\_HOOFD\_250\_2

Sum = 2.0

Metric = 3.0

SEQUENCE sink 734

Removed place sink 734

Added arc from tau from tree to sink 735

Removed transition tau from tree

Sum = 6.0

Metric = 6.0

SEQUENCE sink 735

Removed place sink 735

Added arc from tau from tree to source 736

Added arc from tau from tree to source 738

Removed transition tau split

Sum = 7.0

Metric = 7.0

CHOICE tau from tree

Removed transition 09\_AH\_I\_010

Sum = 2.0

Metric = 3.0

CHOICE tau from tree

Removed transition 01\_HOOFD\_370

Sum = 2.0

Metric = 3.0

CHOICE tau from tree

Removed transition 01\_HOOFD\_375

Sum = 2.0

Metric = 3.0

SEQUENCE sink 740

Removed place sink 740

Added arc from tau from tree to sink 741

Removed transition tau from tree

Sum = 6.0

Metric = 6.0

CHOICE tau from tree

Removed transition 01\_HOOFD\_380

Sum = 2.0

Metric = 3.0

SEQUENCE sink 741

Removed place sink 741

Added arc from tau from tree to sink 742

Removed transition tau from tree

Sum = 9.0

Metric = 9.0

CHOICE tau from tree

Removed transition 01\_HOOFD\_430

Sum = 2.0

Metric = 3.0

SEQUENCE sink 742

Removed place sink 742

Added arc from tau from tree to sink 743

Removed transition tau from tree

Sum = 12.0

Metric = 12.0

CHOICE tau from tree

Removed transition 01\_HOOFD\_470

Sum = 2.0

Metric = 3.0

SEQUENCE sink 743

Removed place sink 743

Added arc from tau from tree to sink 744

Removed transition tau from tree

Sum = 15.0

Metric = 15.0

SEQUENCE sink 744

Removed place sink 744

Added arc from tau from tree to source 745

Added arc from tau from tree to source 747

Removed transition tau split

Sum = 16.0

Metric = 16.0

CHOICE tau from tree

Removed transition 11\_AH\_II\_010

Sum = 2.0

Metric = 3.0

CHOICE tau from tree

Removed transition 01\_HOOFD\_480

Sum = 2.0

Metric = 3.0

SEQUENCE sink 749

Removed place sink 749

Added arc from tau from tree to source 750

Added arc from tau from tree to source 752

Removed transition tau split

Sum = 4.0

Metric = 4.0

CHOICE tau from tree

Removed transition 13\_CRD\_010

Sum = 2.0

Metric = 3.0

CHOICE tau from tree

Removed transition 01\_HOOFD\_490\_1a

Sum = 2.0

Metric = 3.0

SEQUENCE sink 754

Removed place sink 754

Added arc from tau from tree to source 755

Added arc from tau from tree to source 759

Added arc from tau from tree to source 763

Removed transition tau split

Sum = 4.0

Metric = 4.0

CHOICE tau from tree

Removed transition 01\_HOOFD\_510\_0

Sum = 2.0

Metric = 3.0

CHOICE tau from tree

Removed transition 01\_HOOFD\_510\_2a

Sum = 2.0

Metric = 3.0

CHOICE tau from tree

Removed transition 01\_HOOFD\_520

Sum = 2.0

Metric = 3.0

SEQUENCE sink 640

Removed place sink 640

Added arc from tau join to sink 639

Removed transition tau from tree

Sum = 4.0

Metric = 4.0

MARKED GRAPH tau split -> tau join

Sum = 34.0

DiffT = 1

Added arc from tau split to sink 707

Removed place source 708

Removed place source 710

Removed transition tau from tree

Removed place sink 715

Removed place sink 711

Removed transition tau from tree

Removed place sink 709

Removed transition tau join

Removed transition tau from tree

Removed place source 714

Metric = 34.0

CHOICE tau split

Removed transition 01\_HOOFD\_060

Sum = 35.0

Metric = 52.5

SEQUENCE sink 707

Removed place sink 707

Added arc from tau split to source 717

Added arc from tau split to source 721

Added arc from tau split to source 725

Removed transition tau from tree

Sum = 56.5

Metric = 56.5

MARKED GRAPH tau split -> tau join

Sum = 16.0

DiffT = 1

Added arc from tau split to sink 768

Removed transition tau join

Removed place sink 772

Removed transition tau from tree

Removed place source 771

Removed place sink 770

Removed place source 769

Removed transition tau from tree

Metric = 16.0

STATE MACHINE source 763 -> sink 764

Sum = 52.0

DiffP = 1

Added arc from 01\_HOOFD\_490\_5 to sink 764

Removed transition 01\_HOOFD\_510\_4

Removed transition tau from tree

Removed transition tau from tree

Removed transition tau split

Removed place sink 766

Removed transition 01\_HOOFD\_510\_3

Removed place sink 768

Removed transition tau from tree

Removed transition 01\_HOOFD\_490\_5a

Removed transition 01\_HOOFD\_490\_4

Removed transition tau from tree

Removed place sink 773

Removed place sink 767

Removed transition 01\_HOOFD\_494a

Metric = 52.0

STATE MACHINE source 641 -> sink 642

Sum = 10.0

DiffP = 1

Added arc from tau from tree to sink 642

Removed place middle 643

Removed transition tau start

Removed transition 01\_HOOFD\_515

Removed place replacement source 644

Removed transition tau from tree

Removed transition tau from tree

Metric = 10.0

STATE MACHINE source 647 -> sink 648

Sum = 10.0

DiffP = 1

Added arc from tau from tree to sink 648

Removed transition tau start

Removed place replacement source 650

Removed transition tau from tree

Removed transition 01\_HOOFD\_510\_1

Removed transition tau from tree

Removed place middle 649

Metric = 10.0

STATE MACHINE source 677 -> sink 678

Sum = 10.0

DiffP = 1

Added arc from tau from tree to sink 678

Removed transition 01\_HOOFD\_100

Removed place middle 679

Removed transition tau from tree

Removed transition tau start

Removed place replacement source 680

Removed transition tau from tree

Metric = 10.0

STATE MACHINE source 686 -> sink 687

Sum = 10.0

DiffP = 1

Added arc from tau from tree to sink 687

Removed place middle 688

Removed transition 01\_HOOFD\_200

Removed transition tau from tree

Removed transition tau from tree

Removed transition tau start

Removed place replacement source 689

Metric = 10.0

STATE MACHINE source 690 -> sink 691

Sum = 10.0

DiffP = 1

Added arc from tau from tree to sink 691

Removed transition 01\_HOOFD\_491

Removed transition tau start

Removed transition tau from tree

Removed place middle 692

Removed transition tau from tree

Removed place replacement source 693

Metric = 10.0

STATE MACHINE source 699 -> sink 700

Sum = 10.0

DiffP = 1

Added arc from tau from tree to sink 700

Removed place middle 701

Removed transition tau start

Removed transition tau from tree

Removed transition tau from tree

Removed place replacement source 702

Removed transition 01\_HOOFD\_180

Metric = 10.0

STATE MACHINE source 717 -> sink 718

Sum = 10.0

DiffP = 1

Added arc from tau from tree to sink 718

Removed transition 01\_HOOFD\_110

Removed transition tau start

Removed place replacement source 720

Removed transition tau from tree

Removed place middle 719

Removed transition tau from tree

Metric = 10.0

STATE MACHINE source 721 -> sink 722

Sum = 10.0

DiffP = 1

Added arc from tau from tree to sink 722

Removed transition 01\_HOOFD\_120

Removed transition tau start

Removed place replacement source 724

Removed place middle 723

Removed transition tau from tree

Removed transition tau from tree

Metric = 10.0

MARKED GRAPH tau split -> tau join

Sum = 161.0

DiffT = 1

Added arc from tau split to sink 706

Removed place sink 726

Removed transition tau from tree

Removed transition tau join

Removed place source 721

Removed place source 725

Removed transition tau from tree

Removed place sink 718

Removed place source 717

Removed place sink 722

Removed transition tau from tree

Metric = 161.0

STATE MACHINE source 728 -> sink 729

Sum = 10.0

DiffP = 1

Added arc from tau from tree to sink 729

Removed place replacement source 731

Removed place middle 730

Removed transition tau from tree

Removed transition tau from tree

Removed transition tau start

Removed transition 08\_AWB45\_005

Metric = 10.0

STATE MACHINE source 755 -> sink 756

Sum = 10.0

DiffP = 1

Added arc from tau from tree to sink 756

Removed place replacement source 758

Removed transition tau from tree

Removed transition tau from tree

Removed transition 01\_HOOFD\_500

Removed transition tau start

Removed place middle 757

Metric = 10.0

STATE MACHINE source 759 -> sink 760

Sum = 10.0

DiffP = 1

Added arc from tau from tree to sink 760

Removed transition 01\_HOOFD\_495

Removed place replacement source 762

Removed transition tau from tree

Removed place middle 761

Removed transition tau start

Removed transition tau from tree

Metric = 10.0

UNSTRUCTURED source 752 -> sink 753

Out place sink 764

Out transition tau from tree

In place source 763

In transition tau join

|F| = 16

|P U T| = 14

Sum = 1170.0

DiffP = 1

DiffT = 1

Added arc from tau from tree to sink 753

Removed transition tau from tree

Removed transition 01\_HOOFD\_490\_5

Removed transition tau from tree

Removed place sink 756

Removed place source 759

Removed place sink 764

Removed transition tau from tree

Removed place source 755

Removed place sink 760

Removed place source 763

Removed transition tau join

Metric = 1170.0

MARKED GRAPH START -> END

Sum = 3026.0

DiffT = 4

Added arc from START to sink 630

Removed transition tau from tree

Removed place sink 737

Removed transition tau from tree

Removed transition tau from tree

Removed transition tau join

Removed place sink 637

Removed transition tau from tree

Removed transition tau from tree

Removed transition tau from tree

Removed place source 738

Removed transition tau join

Removed place sink 654

Removed place sink 729

Removed place sink 733

Removed place source 636

Removed place sink 700

Removed transition tau from tree

Removed transition tau join

Removed place source 671

Removed place sink 746

Removed transition tau from tree

Removed place sink 678

Removed transition tau split

Removed place sink 748

Removed transition tau from tree

Removed transition tau from tree

Removed place source 705

Removed transition tau join

Removed place source 653

Removed transition tau from tree

Removed place source 641

Removed place sink 657

Removed transition tau from tree

Removed place source 669

Removed transition END

Removed place sink 706

Removed place sink 659

Removed place sink 672

Removed place source 665

Removed place source 645

Removed place sink 663

Removed transition tau split

Removed place source 647

Removed place source 684

Removed place source 660

Removed transition tau from tree

Removed place sink 695

Removed transition tau from tree

Removed place source 681

Removed place sink 666

Removed place source 651

Removed transition tau from tree

Removed place source 752

Removed place sink 646

Removed place source 728

Removed transition tau from tree

Removed place sink 751

Removed place sink 687

Removed transition tau from tree

Removed transition tau join

Removed place source 750

Removed transition tau join

Removed place source 634

Removed place sink 661

Removed transition tau from tree

Removed transition tau from tree

Removed place sink 642

Removed place source 673

Removed transition tau from tree

Removed place source 677

Removed transition tau from tree

Removed place source 675

Removed place source 667

Removed place sink 676

Removed place source 732

Removed place sink 704

Removed transition tau from tree

Removed place source 703

Removed place sink 739

Removed place sink 652

Removed transition tau join

Removed transition tau join

Removed transition tau from tree

Removed transition tau from tree

Removed place source 694

Removed place sink 670

Removed transition tau from tree

Removed transition tau from tree

Removed place sink 685

Removed place source 690

Removed transition tau from tree

Removed transition tau from tree

Removed place source 699

Removed place source 736

Removed place sink 691

Removed place sink 697

Removed place sink 753

Removed place sink 674

Removed transition tau from tree

Removed place sink 648

Removed transition tau from tree

Removed place source 745

Removed place sink 668

Removed place sink 635

Removed place source 686

Removed place sink 682

Removed place source 747

Removed place sink 639

Removed place source 658

Removed transition tau join

Removed transition tau from tree

Removed transition tau from tree

Removed place source 656

Metric = 12104.0