**Metrics for net 7807a6c5-6a39-4174-b8e4-4353e0191297**

**Density metric**

0.009175607001693958

**Details**

|F| = 390

|P X T| = 21252

**Extended Cardoso metric**

150.0

**Details**

Place source 774 = 1

Place sink 775 = 0

Place sink 776 = 1

Place sink 777 = 1

Place sink 778 = 1

Place source 780 = 1

Place sink 781 = 1

Place source 782 = 2

Place sink 783 = 1

Place sink 784 = 1

Place sink 785 = 1

Place sink 786 = 1

Place source 787 = 1

Place sink 788 = 1

Place source 789 = 1

Place sink 790 = 1

Place source 791 = 1

Place sink 792 = 1

Place source 793 = 1

Place sink 794 = 1

Place source 795 = 1

Place sink 796 = 1

Place sink 797 = 1

Place source 798 = 1

Place sink 799 = 1

Place source 800 = 1

Place sink 801 = 1

Place sink 802 = 2

Place sink 803 = 1

Place middle 804 = 2

Place replacement source 805 = 1

Place source 806 = 1

Place sink 807 = 1

Place source 808 = 1

Place sink 809 = 1

Place sink 811 = 1

Place source 813 = 1

Place sink 814 = 1

Place source 815 = 1

Place sink 816 = 1

Place sink 817 = 1

Place source 818 = 1

Place sink 819 = 1

Place source 820 = 1

Place sink 821 = 1

Place source 822 = 2

Place sink 823 = 1

Place source 824 = 1

Place sink 825 = 2

Place source 827 = 1

Place sink 828 = 1

Place sink 829 = 3

Place source 830 = 1

Place sink 831 = 1

Place source 832 = 1

Place sink 833 = 1

Place sink 835 = 1

Place sink 836 = 2

Place source 837 = 1

Place sink 838 = 1

Place source 839 = 1

Place sink 840 = 1

Place source 841 = 1

Place sink 842 = 1

Place source 843 = 1

Place sink 844 = 1

Place source 845 = 1

Place sink 846 = 1

Place source 847 = 1

Place sink 848 = 1

Place source 849 = 1

Place sink 850 = 1

Place source 851 = 1

Place sink 852 = 1

Place source 853 = 1

Place sink 854 = 1

Place source 855 = 2

Place sink 856 = 1

Place middle 857 = 2

Place replacement source 858 = 1

Place source 859 = 1

Place sink 860 = 1

Place source 861 = 1

Place sink 862 = 1

Place source 863 = 1

Place sink 864 = 1

Place source 865 = 2

Place sink 866 = 1

Place middle 867 = 2

Place replacement source 868 = 1

Place source 869 = 1

Place sink 870 = 1

Place sink 871 = 1

Place source 872 = 1

Place sink 873 = 1

Place source 874 = 2

Place sink 875 = 1

Place middle 876 = 2

Place replacement source 877 = 1

Place source 878 = 1

Place sink 879 = 1

Place sink 880 = 2

Place sink 881 = 1

Place sink 882 = 1

Place sink 883 = 1

Place source 884 = 1

Place sink 885 = 1

Place source 886 = 1

Place sink 887 = 1

Place sink 888 = 1

Place sink 889 = 2

Place sink 890 = 1

Place source 891 = 1

Place sink 892 = 1

Place source 893 = 1

Place sink 894 = 1

Place source 895 = 1

Place sink 896 = 1

Place source 897 = 1

Place sink 898 = 1

Place sink 899 = 1

Place source 900 = 2

Place sink 901 = 1

Place sink 902 = 1

Place source 903 = 1

Place sink 904 = 1

Place sink 905 = 1

Place sink 906 = 1

Place sink 907 = 1

Place sink 908 = 3

Place sink 909 = 1

Place sink 910 = 1

Metric = 150

**Extended Cyclomatic metric**

9945.0

**Details**

|E| = 10001

|V| = 1399

p = 1343

**Number of arcs**

390.0

**Details**

**Number of places**

132.0

**Details**

**Number of transitions**

161.0

**Details**

**Structuredness metric**

20228.0

**Details**

SEQUENCE sink 776

Removed place sink 776

Added arc from START to sink 777

Removed transition 01\_HOOFD\_010

Sum = 2.0

Metric = 2.0

SEQUENCE sink 785

Removed place sink 785

Added arc from 01\_HOOFD\_015 to sink 786

Removed transition 01\_HOOFD\_020

Sum = 2.0

Metric = 2.0

SEQUENCE sink 882

Removed place sink 882

Added arc from 01\_HOOFD\_375 to sink 883

Removed transition 01\_HOOFD\_430

Sum = 2.0

Metric = 2.0

SEQUENCE sink 910

Removed place sink 910

Added arc from 01\_BB\_775 to sink 909

Removed transition 01\_HOOFD\_809

Sum = 2.0

Metric = 2.0

CHOICE tau from tree

Removed transition 01\_HOOFD\_011

Sum = 2.0

Metric = 3.0

SEQUENCE sink 777

Removed place sink 777

Added arc from START to sink 778

Removed transition tau from tree

Sum = 5.0

Metric = 5.0

SEQUENCE sink 778

Removed place sink 778

Added arc from START to source 780

Added arc from START to source 782

Removed transition tau split

Sum = 6.0

Metric = 6.0

CHOICE tau from tree

Removed transition 01\_HOOFD\_065\_2

Sum = 2.0

Metric = 3.0

CHOICE tau from tree

Removed transition 01\_HOOFD\_065\_1

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 16\_LGSV\_010

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\_061

Sum = 2.0

Metric = 3.0

SEQUENCE sink 797

Removed place sink 797

Added arc from tau from tree to source 798

Added arc from tau from tree to source 800

Removed transition tau split

Sum = 4.0

Metric = 4.0

CHOICE tau from tree

Removed transition 01\_HOOFD\_050

Sum = 2.0

Metric = 3.0

CHOICE tau from tree

Removed transition 01\_HOOFD\_060

Sum = 2.0

Metric = 3.0

CHOICE tau from tree

Removed transition 01\_HOOFD\_120

Sum = 2.0

Metric = 3.0

CHOICE tau from tree

Removed transition 01\_HOOFD\_180

Sum = 2.0

Metric = 3.0

CHOICE tau from tree

Removed transition 01\_HOOFD\_101

Sum = 2.0

Metric = 3.0

CHOICE tau from tree

Removed transition 01\_HOOFD\_065\_0

Sum = 2.0

Metric = 3.0

CHOICE tau from tree

Removed transition 01\_HOOFD\_110\_0

Sum = 2.0

Metric = 3.0

SEQUENCE sink 817

Removed place sink 817

Added arc from tau from tree to sink 816

Removed transition tau from tree

Sum = 6.0

Metric = 6.0

CHOICE tau from tree

Removed transition 04\_BPT\_005

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 06\_VD\_010

Sum = 2.0

Metric = 3.0

CHOICE tau from tree

Removed transition 16\_LGSD\_010

Sum = 2.0

Metric = 3.0

CHOICE tau from tree

Removed transition 01\_HOOFD\_490\_5

Sum = 2.0

Metric = 3.0

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\_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\_490\_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\_250\_2

Sum = 2.0

Metric = 3.0

CHOICE tau from tree

Removed transition 11\_AH\_II\_010

Sum = 2.0

Metric = 3.0

CHOICE tau from tree

Removed transition 09\_AH\_I\_010

Sum = 2.0

Metric = 3.0

CHOICE tau from tree

Removed transition 01\_HOOFD\_380

Sum = 2.0

Metric = 3.0

CHOICE tau from tree

Removed transition 01\_HOOFD\_500

Sum = 2.0

Metric = 3.0

CHOICE tau from tree

Removed transition 01\_HOOFD\_330

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\_260

Sum = 2.0

Metric = 3.0

SEQUENCE sink 871

Removed place sink 871

Added arc from tau from tree to source 872

Added arc from tau from tree to source 874

Added arc from tau from tree to source 878

Removed transition tau split

Sum = 4.0

Metric = 4.0

CHOICE tau from tree

Removed transition 01\_HOOFD\_491

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 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

CHOICE tau from tree

Removed transition 01\_HOOFD\_490\_4

Sum = 2.0

Metric = 3.0

SEQUENCE sink 888

Removed place sink 888

Added arc from tau from tree to sink 889

Removed transition tau from tree

Sum = 6.0

Metric = 6.0

CHOICE tau from tree

Removed transition 01\_HOOFD\_490\_5a

Sum = 2.0

Metric = 3.0

CHOICE tau from tree

Removed transition 01\_HOOFD\_495

Sum = 2.0

Metric = 3.0

CHOICE tau from tree

Removed transition 01\_HOOFD\_510\_2a

Sum = 2.0

Metric = 3.0

SEQUENCE sink 899

Removed place sink 899

Added arc from tau from tree to source 900

Added arc from tau from tree to source 903

Removed transition tau split

Sum = 4.0

Metric = 4.0

CHOICE tau from tree

Removed transition 01\_HOOFD\_510\_4

Sum = 2.0

Metric = 3.0

MARKED GRAPH tau split -> tau join

Sum = 12.0

DiffT = 1

Added arc from tau split to sink 890

Removed place source 891

Removed transition tau from tree

Removed transition tau join

Removed place sink 894

Removed transition 01\_HOOFD\_494a

Removed place sink 892

Removed place source 893

Metric = 12.0

CHOICE tau from tree

Removed transition tau split

Sum = 13.0

Metric = 19.5

SEQUENCE sink 889

Removed place sink 889

Added arc from tau from tree to sink 890

Removed transition tau from tree

Sum = 25.5

Metric = 25.5

SEQUENCE sink 890

Removed place sink 890

Added arc from tau from tree to sink 887

Removed transition tau from tree

Sum = 28.5

Metric = 28.5

MARKED GRAPH tau split -> tau join

Sum = 67.0

DiffT = 1

Added arc from tau split to sink 879

Removed place sink 887

Removed transition tau from tree

Removed place sink 885

Removed transition tau join

Removed transition tau from tree

Removed place source 884

Removed place source 886

Metric = 67.0

STATE MACHINE sink 829 -> sink 775

Sum = 24.0

DiffP = 1

Added arc from tau from tree to sink 775

Removed place sink 905

Removed transition tau from tree

Removed place sink 909

Removed transition tau from tree

Removed transition 01\_BB\_770

Removed transition 01\_BB\_775

Removed transition 01\_BB\_540

Removed transition 01\_HOOFD\_520

Removed transition 01\_HOOFD\_530

Removed transition tau from tree

Removed transition END

Removed place sink 907

Removed transition tau from tree

Removed place sink 906

Removed place sink 908

Metric = 24.0

SEQUENCE sink 829

Removed place sink 829

Added arc from tau join to sink 775

Removed transition tau from tree

Sum = 25.0

Metric = 25.0

STATE MACHINE source 800 -> sink 803

Sum = 16.0

DiffP = 1

Added arc from tau from tree to sink 803

Removed transition tau from tree

Removed transition tau start

Removed place sink 802

Removed place replacement source 805

Removed transition tau from tree

Removed transition tau from tree

Removed place middle 804

Removed transition 01\_HOOFD\_100

Metric = 16.0

SEQUENCE sink 803

Removed place sink 803

Added arc from tau from tree to source 806

Added arc from tau from tree to source 808

Added arc from tau from tree to source 813

Added arc from tau from tree to source 815

Added arc from tau from tree to source 818

Removed transition tau split

Sum = 17.0

Metric = 17.0

STATE MACHINE source 878 -> sink 879

Sum = 150.0

DiffP = 2

Added arc from tau from tree to sink 879

Removed transition tau from tree

Removed transition tau split

Removed place sink 880

Removed transition 01\_HOOFD\_375

Removed place sink 883

Removed transition 01\_HOOFD\_480

Removed place sink 881

Removed transition tau from tree

Metric = 300.0

STATE MACHINE source 855 -> sink 856

Sum = 10.0

DiffP = 1

Added arc from tau from tree to sink 856

Removed place middle 857

Removed transition tau from tree

Removed transition 01\_HOOFD\_195

Removed transition tau start

Removed transition tau from tree

Removed place replacement source 858

Metric = 10.0

STATE MACHINE source 865 -> sink 866

Sum = 10.0

DiffP = 1

Added arc from tau from tree to sink 866

Removed transition tau start

Removed transition 01\_HOOFD\_200

Removed place replacement source 868

Removed transition tau from tree

Removed transition tau from tree

Removed place middle 867

Metric = 10.0

STATE MACHINE source 874 -> sink 875

Sum = 10.0

DiffP = 1

Added arc from tau from tree to sink 875

Removed transition tau start

Removed place middle 876

Removed transition 08\_AWB45\_005

Removed transition tau from tree

Removed place replacement source 877

Removed transition tau from tree

Metric = 10.0

MARKED GRAPH tau from tree -> tau join

Sum = 636.0

DiffT = 1

Added arc from tau from tree to sink 870

Removed transition tau join

Removed place source 872

Removed place sink 875

Removed transition tau from tree

Removed place sink 873

Removed transition tau from tree

Removed transition tau from tree

Removed place source 874

Removed place sink 879

Removed place source 878

Metric = 636.0

STATE MACHINE source 782 -> sink 784

Sum = 10.0

DiffP = 2

Added arc from tau from tree to sink 784

Removed transition 01\_HOOFD\_015

Removed transition 01\_HOOFD\_040

Removed place sink 786

Removed transition tau from tree

Metric = 20.0

SEQUENCE sink 784

Removed place sink 784

Added arc from tau from tree to source 787

Added arc from tau from tree to source 789

Added arc from tau from tree to source 791

Added arc from tau from tree to source 793

Added arc from tau from tree to source 795

Removed transition tau split

Sum = 21.0

Metric = 21.0

STATE MACHINE source 900 -> sink 901

Sum = 8.0

DiffP = 2

Added arc from tau from tree to sink 901

Removed transition tau from tree

Removed transition 01\_HOOFD\_515

Removed transition 01\_HOOFD\_510\_3

Removed place sink 902

Metric = 16.0

MARKED GRAPH tau split -> tau join

Sum = 54.0

DiffT = 1

Added arc from tau split to sink 835

Removed transition tau from tree

Removed place source 895

Removed place sink 904

Removed place sink 896

Removed transition tau from tree

Removed transition 01\_HOOFD\_510\_2

Removed place source 900

Removed transition tau join

Removed place sink 898

Removed place source 903

Removed place sink 901

Removed transition tau join

Removed place source 897

Removed transition tau from tree

Metric = 54.0

CHOICE tau from tree

Removed transition tau split

Sum = 55.0

Metric = 82.5

SEQUENCE sink 836

Removed place sink 836

Added arc from tau join to sink 835

Removed transition tau from tree

Sum = 83.5

Metric = 83.5

MARKED GRAPH tau join -> tau join

Sum = 1615.0

DiffT = 3

Added arc from tau join to sink 775

Removed place sink 870

Removed transition tau from tree

Removed place sink 833

Removed place sink 844

Removed place sink 848

Removed place source 837

Removed transition tau from tree

Removed place sink 850

Removed transition tau from tree

Removed place sink 835

Removed transition tau from tree

Removed place sink 842

Removed transition tau from tree

Removed place source 851

Removed transition tau from tree

Removed place source 869

Removed transition tau from tree

Removed place source 843

Removed place source 863

Removed place sink 852

Removed transition tau from tree

Removed place source 859

Removed place source 865

Removed transition tau from tree

Removed place source 861

Removed place sink 860

Removed place source 841

Removed place sink 840

Removed place source 830

Removed place source 853

Removed transition tau join

Removed transition tau join

Removed transition tau from tree

Removed transition tau from tree

Removed place source 849

Removed place sink 856

Removed place sink 831

Removed place sink 866

Removed transition tau from tree

Removed transition tau from tree

Removed place source 845

Removed place sink 838

Removed place source 855

Removed transition tau from tree

Removed place source 832

Removed place sink 854

Removed transition tau from tree

Removed place sink 864

Removed transition tau from tree

Removed place sink 862

Removed transition tau from tree

Removed place source 847

Removed place source 839

Removed place sink 846

Metric = 4845.0

UNSTRUCTURED source 822 -> sink 823

Out place sink 825

In transition tau join

Out transition tau split

In place sink 823

Out place source 822

In place source 824

|F| = 14

|P U T| = 12

Sum = 120.0

DiffP = 1

DiffT = 1

Added arc from tau from tree to sink 823

Removed place sink 825

Removed place source 827

Removed transition tau join

Removed transition tau split

Removed transition tau from tree

Removed transition tau from tree

Removed transition 01\_HOOFD\_110

Removed place source 824

Removed place sink 828

Metric = 120.0

MARKED GRAPH START -> tau join

Sum = 10114.0

DiffT = 2

Added arc from START to sink 775

Removed transition tau from tree

Removed transition tau from tree

Removed place source 791

Removed transition tau split

Removed transition tau from tree

Removed place sink 792

Removed transition tau from tree

Removed transition tau from tree

Removed place source 815

Removed place source 795

Removed place source 798

Removed transition tau from tree

Removed transition tau join

Removed transition tau from tree

Removed transition tau from tree

Removed place source 789

Removed place sink 811

Removed place source 793

Removed place source 782

Removed transition tau join

Removed transition tau from tree

Removed place source 808

Removed place sink 823

Removed place source 806

Removed place sink 816

Removed place sink 819

Removed place sink 799

Removed place source 813

Removed transition tau from tree

Removed place sink 807

Removed transition tau from tree

Removed transition tau from tree

Removed place source 820

Removed place sink 781

Removed place source 818

Removed place sink 783

Removed transition tau from tree

Removed place sink 814

Removed place sink 794

Removed transition tau from tree

Removed place sink 790

Removed place sink 821

Removed place sink 788

Removed place sink 801

Removed transition tau join

Removed transition tau join

Removed place source 800

Removed transition tau from tree

Removed place sink 796

Removed transition tau join

Removed place source 780

Removed place source 822

Removed place sink 809

Removed place source 787

Removed transition tau from tree

Metric = 20228.0