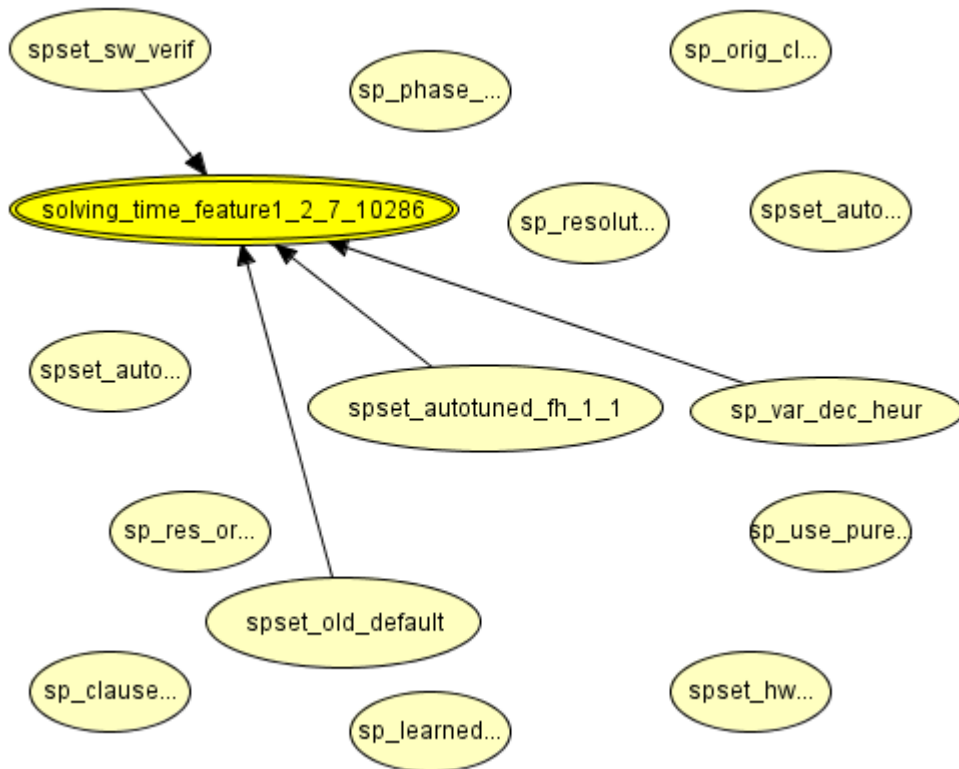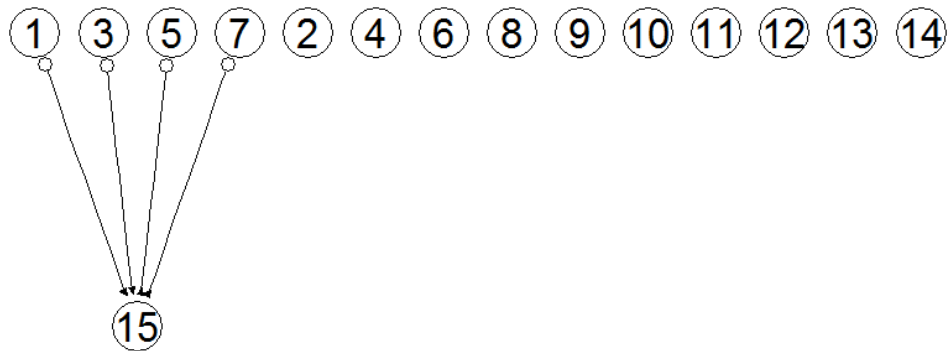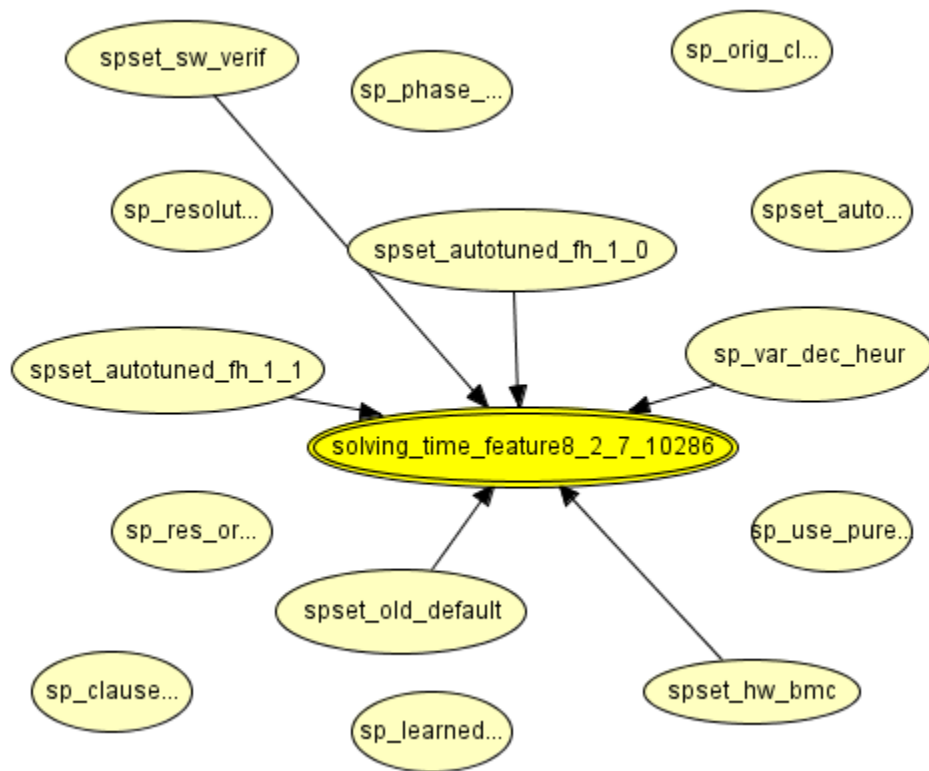**SPEAR14-1**

[1] "spset-old-default"　　　"spset-autotuned-fh-1-0"　　"spset-autotuned-fh-1-1"

 [4] "spset-autotuned-fh-1-2"　　"spset-sw-verif"　　　　"spset-hw-bmc"

 [7] "sp-var-dec-heur"　　　"sp-learned-clause-sort-heur"　"sp-orig-clause-sort-heur"

[10] "sp-res-order-heur"　　　"sp-clause-del-heur"　　　"sp-phase-dec-heur"

[13] "sp-resolution"　　　　"sp-use-pure-literal-rule"　"solving-time-feature1-2-7-10286"

① ③ ⑤ ⑦ ② ④ ⑥ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬ ⑭

⑮

spset_sw_verif

sp_phase_...

sp_orig_cl...

solving_time_feature1_2_7_10286

sp_resolut...

spset_auto...

spset_auto...

spset_autotuned_fh_1_1

sp_var_dec_heur

sp_res_or...

sp_use_pure...

spset_old_default

sp_clause...

sp_learned...
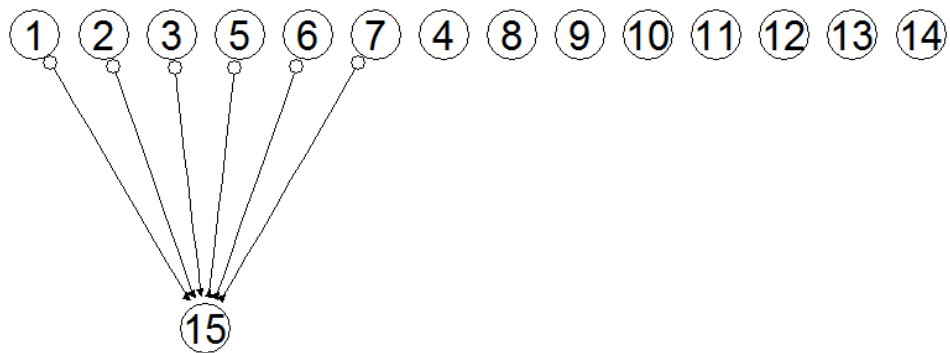
spset_hw...

SPEAR14-2

[1] "spset-old-default"   "spset-autotuned-fh-1-0"   "spset-autotuned-fh-1-1"

 [4] "spset-autotuned-fh-1-2"   "spset-sw-verif"   "spset-hw-bmc"

 [7] "sp-var-dec-heur"   "sp-learned-clause-sort-heur"   "sp-orig-clause-sort-heur"

[10] "sp-res-order-heur"   "sp-clause-del-heur"   "sp-phase-dec-heur"

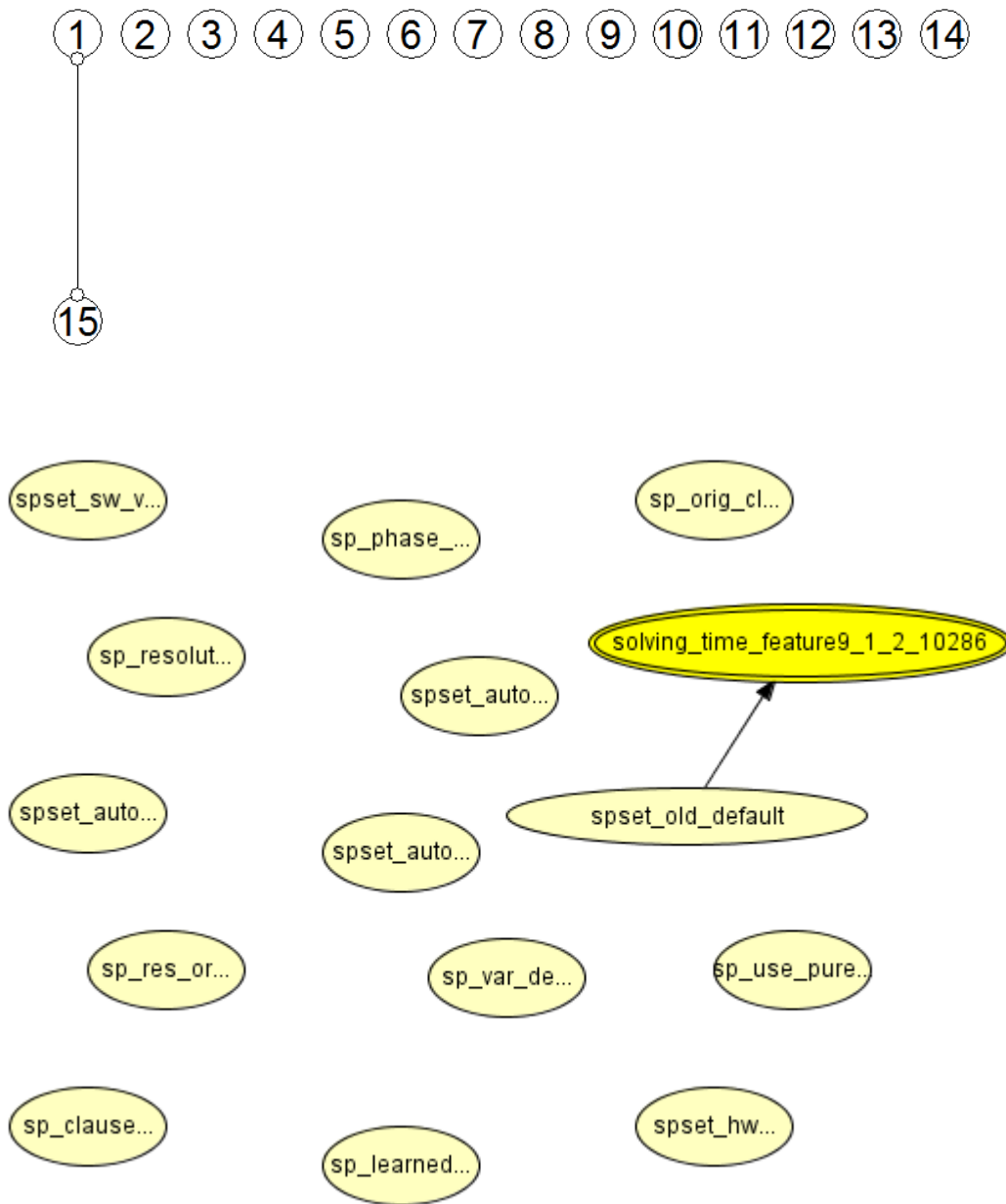[13] "sp-resolution"   "sp-use-pure-literal-rule"   "solving-time-feature8-2-7-10286"
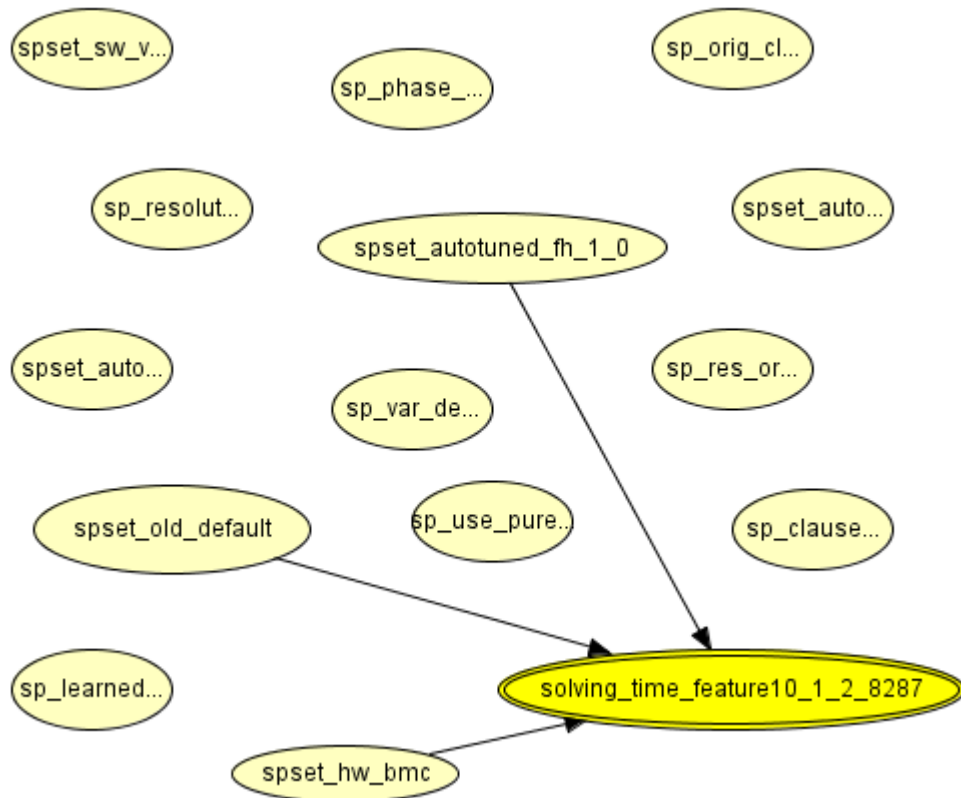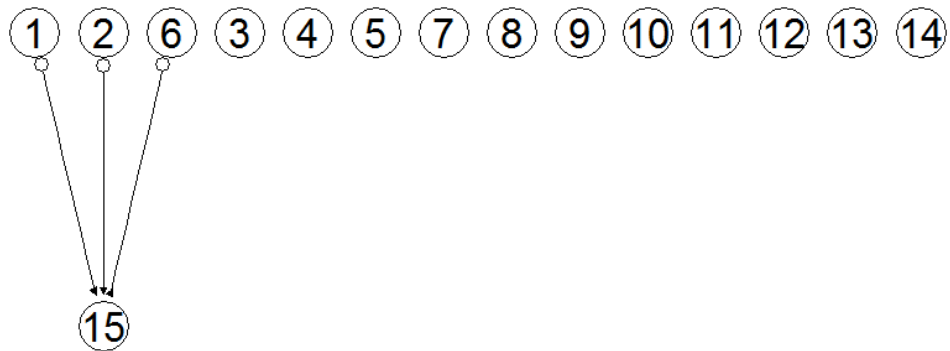
SPEAR14-3

[1] "spset-old-default"   "spset-autotuned-fh-1-0"   "spset-autotuned-fh-1-1"

 [4] "spset-autotuned-fh-1-2"   "spset-sw-verif"   "spset-hw-bmc"

 [7] "sp-var-dec-heur"   "sp-learned-clause-sort-heur"   "sp-orig-clause-sort-heur"

[10] "sp-res-order-heur"   "sp-clause-del-heur"   "sp-phase-dec-heur"

[13] "sp-resolution"   "sp-use-pure-literal-rule"   "solving-time-feature9-1-2-10286"

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬ ⑭

⑮

spset_sw_v...

sp_phase_...

sp_orig_cl...

sp_resolut...

spset_auto...

solving_time_feature9_1_2_10286

spset_auto...

spset_auto...

spset_old_default

sp_res_or...

sp_var_de...

sp_use_pure..

sp_clause...

sp_learned...

spset_hw...
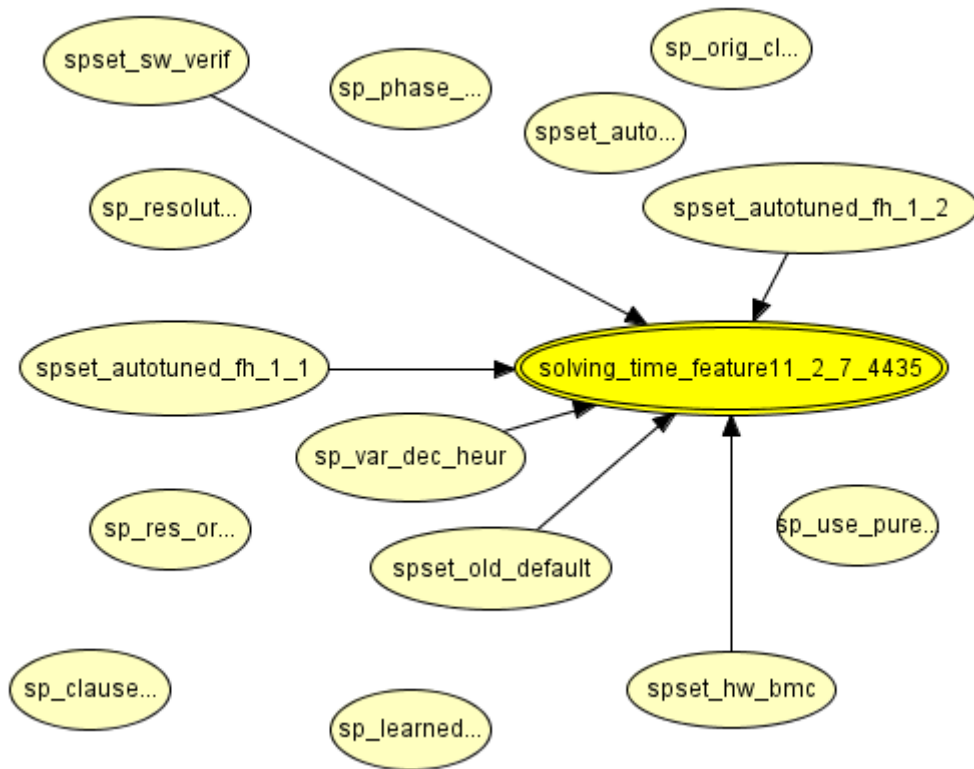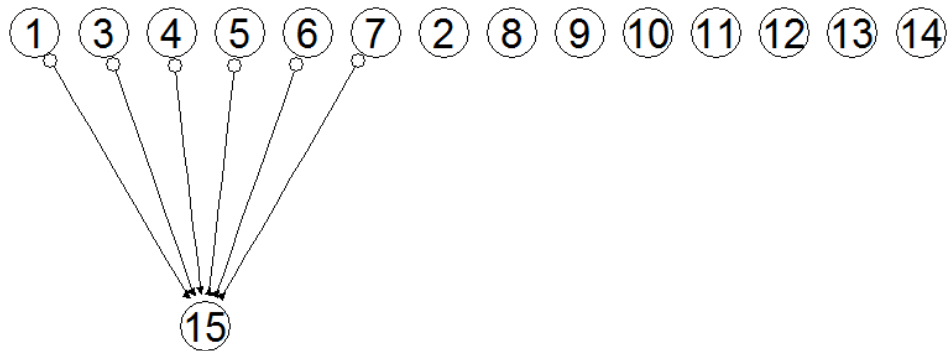
SPEAR14-4

[1] "spset-old-default"   "spset-autotuned-fh-1-0"   "spset-autotuned-fh-1-1"

 [4] "spset-autotuned-fh-1-2"   "spset-sw-verif"   "spset-hw-bmc"

 [7] "sp-var-dec-heur"   "sp-learned-clause-sort-heur"   "sp-orig-clause-sort-heur"

[10] "sp-res-order-heur"   "sp-clause-del-heur"   "sp-phase-dec-heur"

[13] "sp-resolution"   "sp-use-pure-literal-rule"   "solving-time-feature10-1-2-8287"
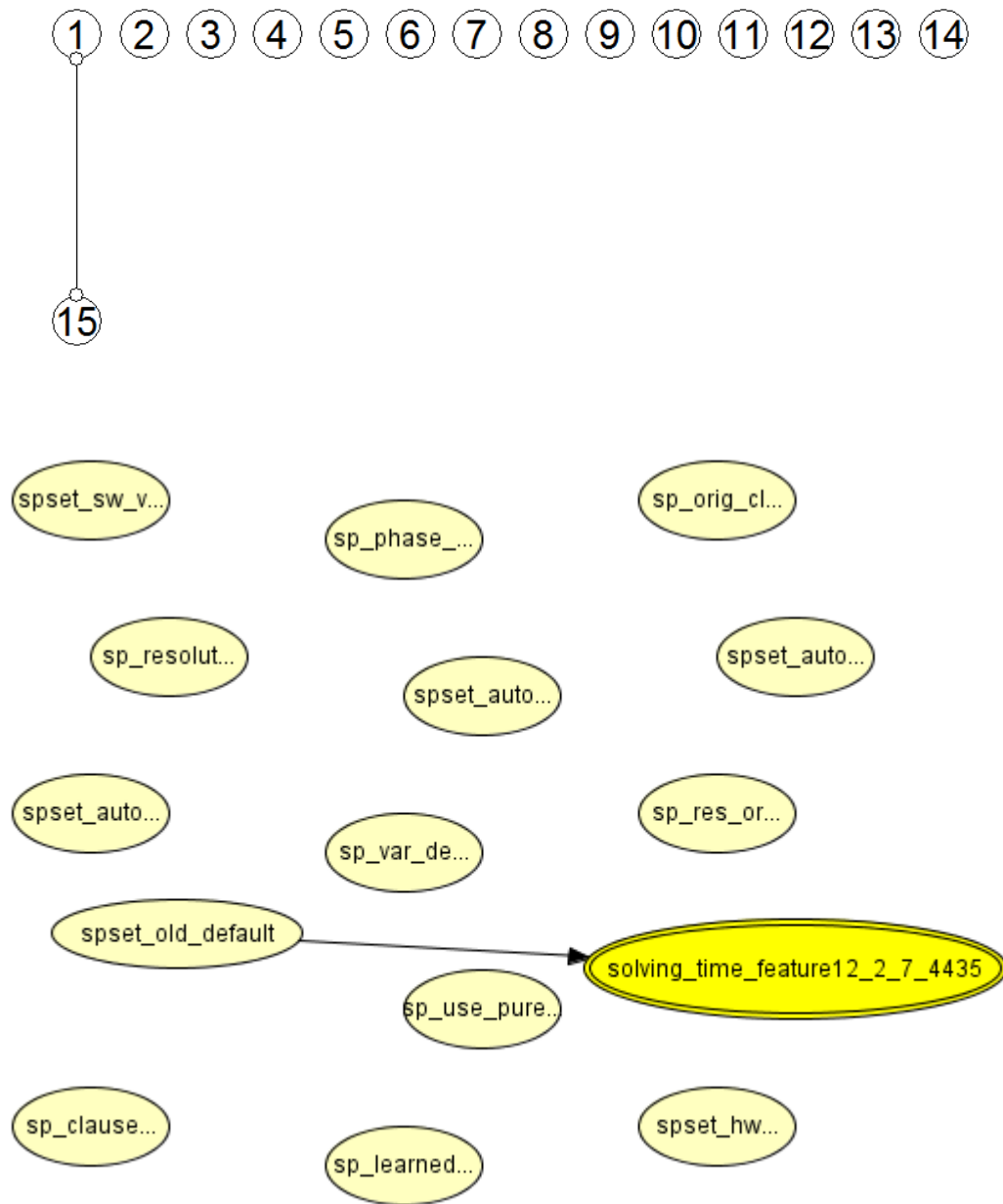
SPEAR14-5

[1] "spset-old-default"   "spset-autotuned-fh-1-0"   "spset-autotuned-fh-1-1"

 [4] "spset-autotuned-fh-1-2"   "spset-sw-verif"   "spset-hw-bmc"

 [7] "sp-var-dec-heur"   "sp-learned-clause-sort-heur"   "sp-orig-clause-sort-heur"

[10] "sp-res-order-heur"   "sp-clause-del-heur"   "sp-phase-dec-heur"

[13] "sp-resolution"   "sp-use-pure-literal-rule"   "solving-time-feature11-2-7-4435"
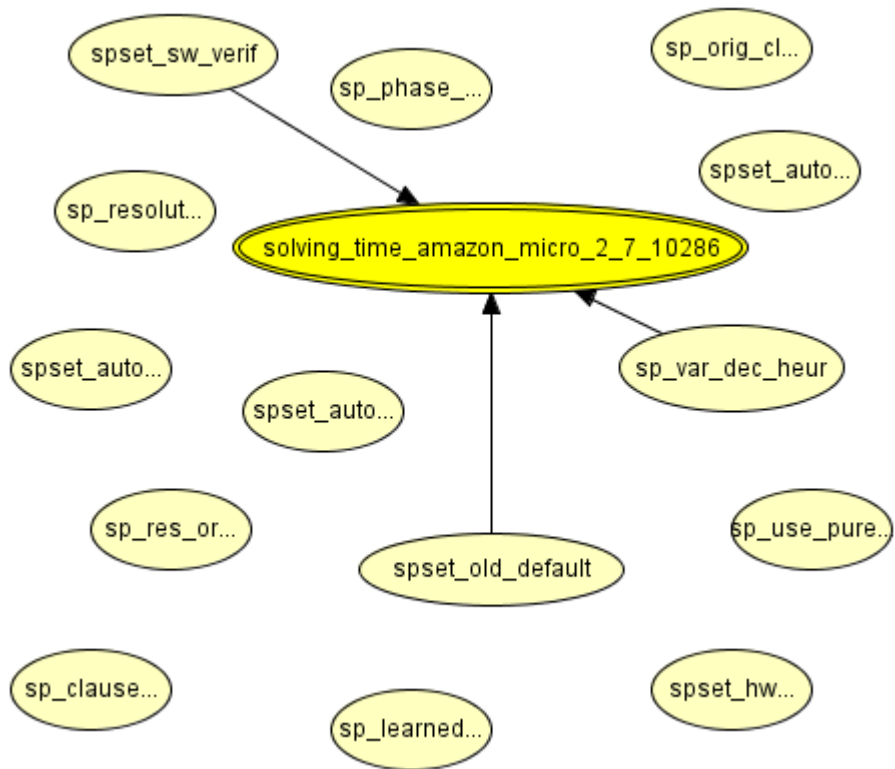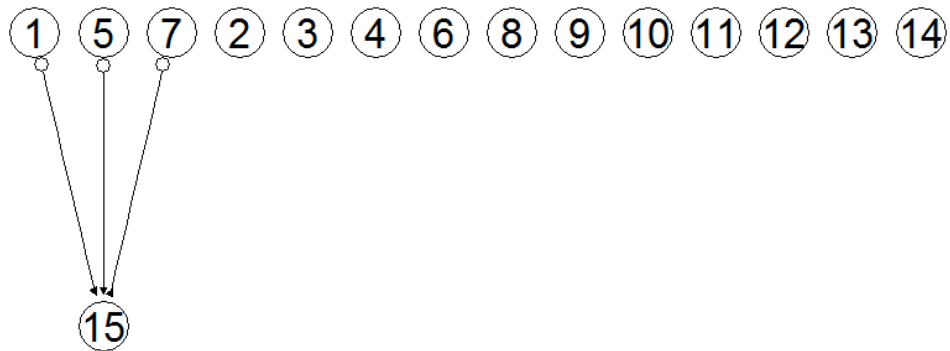
SPEAR14-6

[1] "spset-old-default"   "spset-autotuned-fh-1-0"   "spset-autotuned-fh-1-1"

 [4] "spset-autotuned-fh-1-2"   "spset-sw-verif"   "spset-hw-bmc"

 [7] "sp-var-dec-heur"   "sp-learned-clause-sort-heur"   "sp-orig-clause-sort-heur"

[10] "sp-res-order-heur"   "sp-clause-del-heur"   "sp-phase-dec-heur"

[13] "sp-resolution"   "sp-use-pure-literal-rule"   "solving-time-feature12-2-7-4435"

SPEAR14-7

[1] "spset-old-default"   "spset-autotuned-fh-1-0"   "spset-autotuned-fh-1-1"

 [4] "spset-autotuned-fh-1-2"   "spset-sw-verif"   "spset-hw-bmc"

 [7] "sp-var-dec-heur"   "sp-learned-clause-sort-heur"   "sp-orig-clause-sort-heur"

[10] "sp-res-order-heur"   "sp-clause-del-heur"   "sp-phase-dec-heur"

[13] "sp-resolution"   "sp-use-pure-literal-rule"   "solving-time-amazon-micro-2-7-10286"
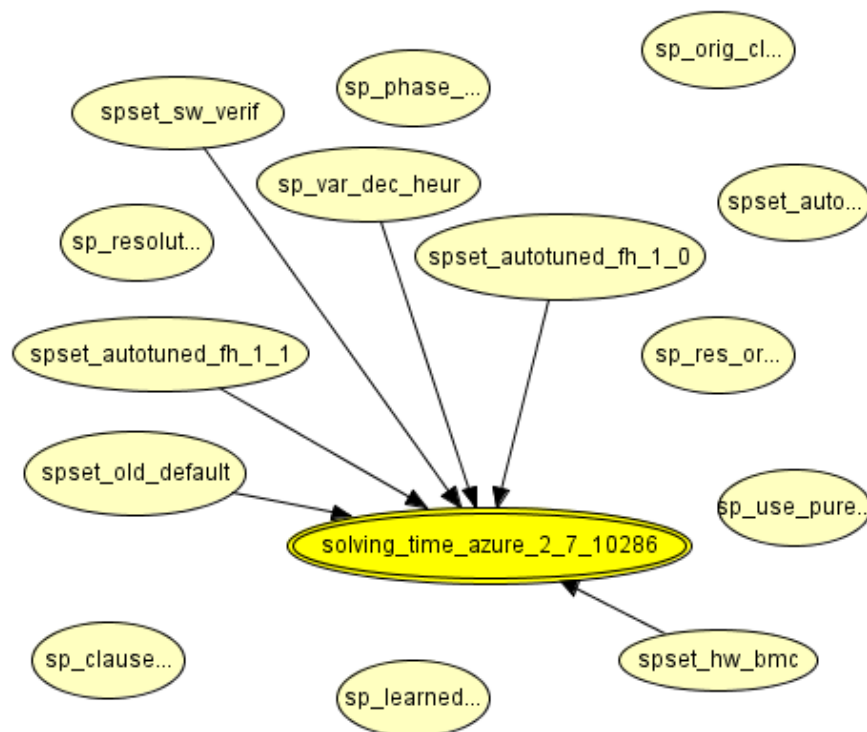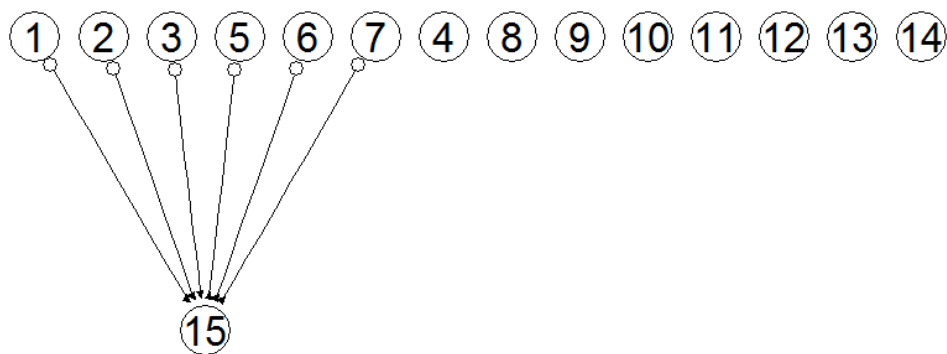
SPEAR14-8

[1] "spset-old-default"   "spset-autotuned-fh-1-0"   "spset-autotuned-fh-1-1"   "spset-autotuned-fh-1-2"

 [5] "spset-sw-verif"   "spset-hw-bmc"   "sp-var-dec-heur"   "sp-learned-clause-sort-heur"

 [9] "sp-orig-clause-sort-heur"   "sp-res-order-heur"   "sp-clause-del-heur"   "sp-phase-dec-heur"
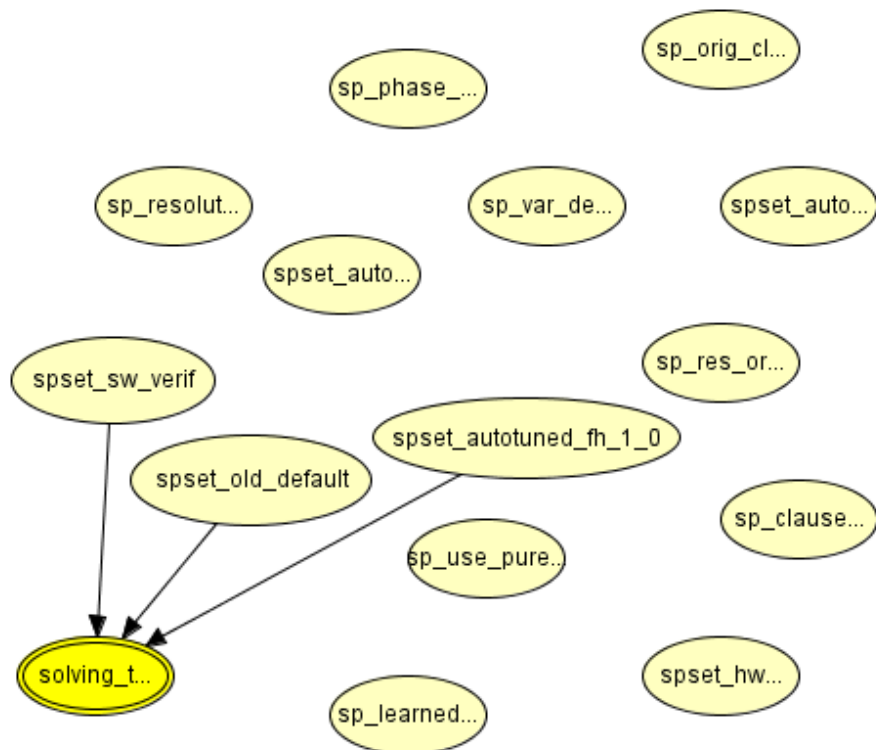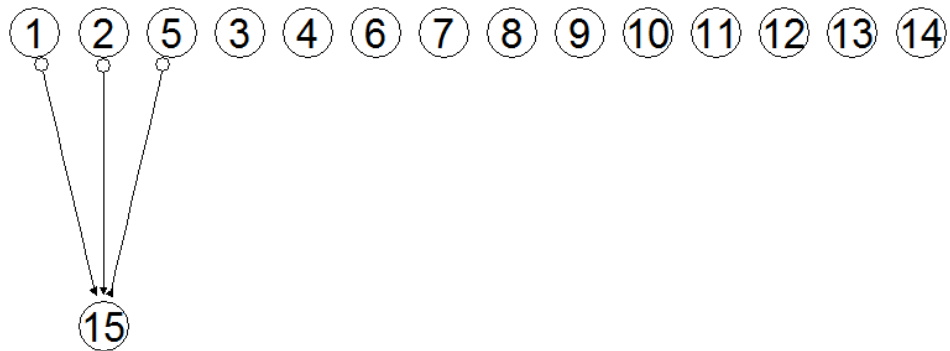
[13] "sp-resolution"   "sp-use-pure-literal-rule"   "solving-time-azure-2-7-10286"
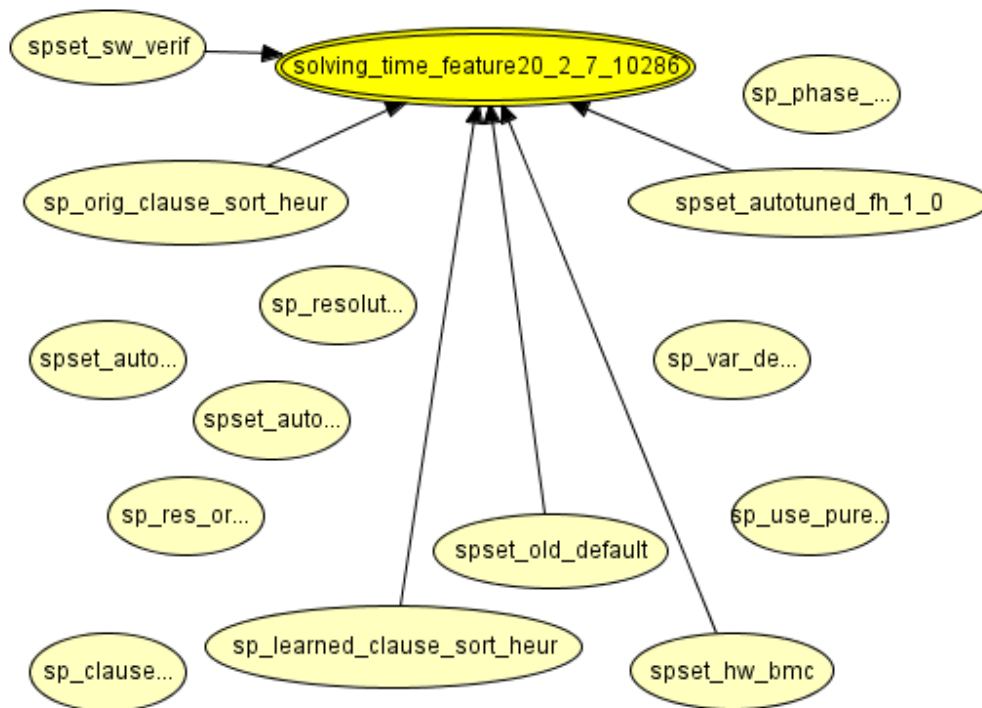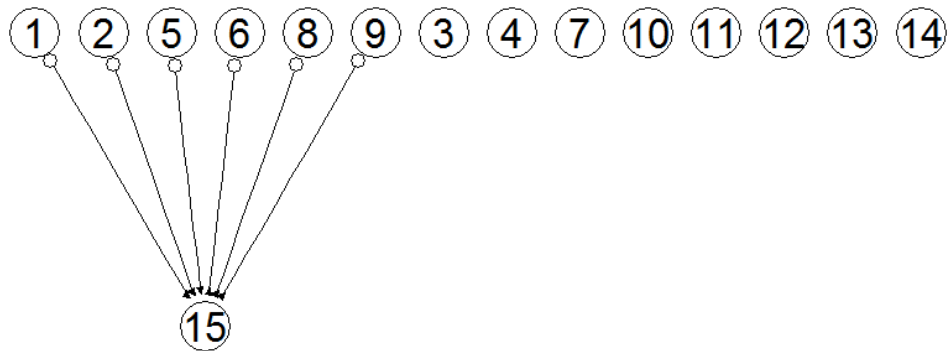
SPEAR14-9

[1] "spset-old-default"　　　　　"spset-autotuned-fh-1-0"　　　　"spset-autotuned-fh-1-1"

 [4] "spset-autotuned-fh-1-2"　　　　"spset-sw-verif"　　　　　"spset-hw-bmc"

 [7] "sp-var-dec-heur"　　　　"sp-learned-clause-sort-heur"　　"sp-orig-clause-sort-heur"

[10] "sp-res-order-heur"　　　　"sp-clause-del-heur"　　　　"sp-phase-dec-heur"

[13] "sp-resolution"　　　　"sp-use-pure-literal-rule"　　　"solving-time-amazon-nano-2-7-10286"
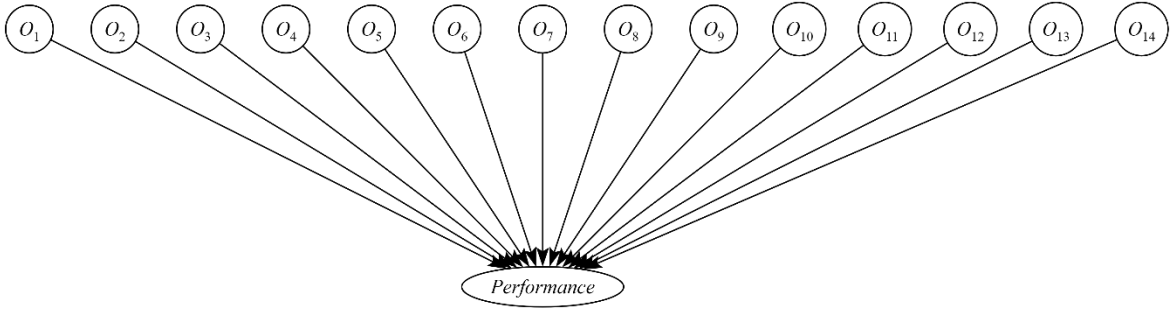
SPEAR14-10

[1] "spset-old-default"   "spset-autotuned-fh-1-0"   "spset-autotuned-fh-1-1"

 [4] "spset-autotuned-fh-1-2"   "spset-sw-verif"   "spset-hw-bmc"

 [7] "sp-var-dec-heur"   "sp-learned-clause-sort-heur"   "sp-orig-clause-sort-heur"

[10] "sp-res-order-heur"   "sp-clause-del-heur"   "sp-phase-dec-heur"

[13] "sp-resolution"   "sp-use-pure-literal-rule"   "solving-time-feature20-2-7-10286"

Identifiability

1

$$P_{O_1}^* \left(Performance \right) = P^* \left(Performance | O_1 \right)$$

Derivation in | Do Calculus ▾

Expand All Collapse All

⊢ $P_{O_1}^*$ $(Performance)$ (1)

    $P^* \left(Performance | O_1 \right)$ Rule 2: $(O_1 \perp Performance)_{G_{\underline{O_1}}}$ (2)

Finally we get: $P^* \left(Performance | O_1 \right)$

Load

Estimation

Derivation

Remove

Subgraph:

G

☐ Show non active nodes/edges

Transportability

1

$$P^*_{O_1}(Performance) = P^*(Performance|O_1)$$

Derivation in [Do-Calculus ▾]

Expand All Collapse All

└ $P^*_{O_1}(Performance)$ (1)

    $P^*(Performance|O_1)$ Rule 2: $(O_1 \perp Performance)_{G_{\underline{O_1}}}$ (2)
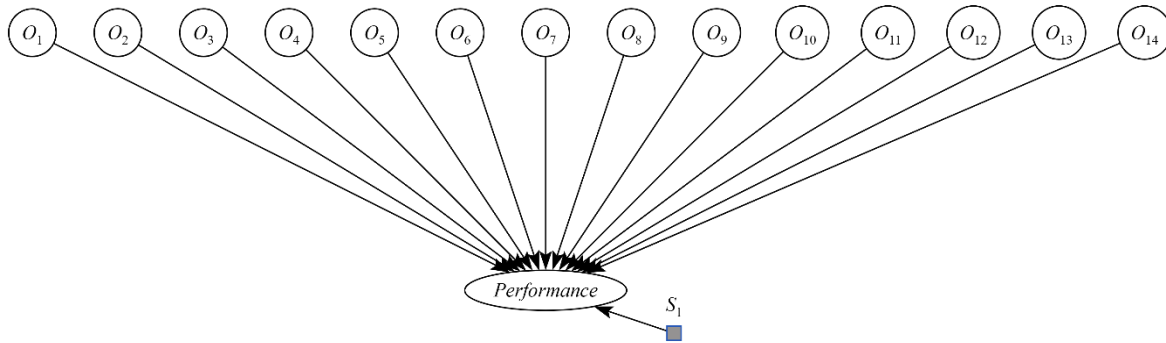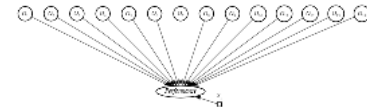
Finally we get: $P^*(Performance|O_1)$

Subgraph:

G ☐ Show non active nodes/edges

Load
Derivation
Remove