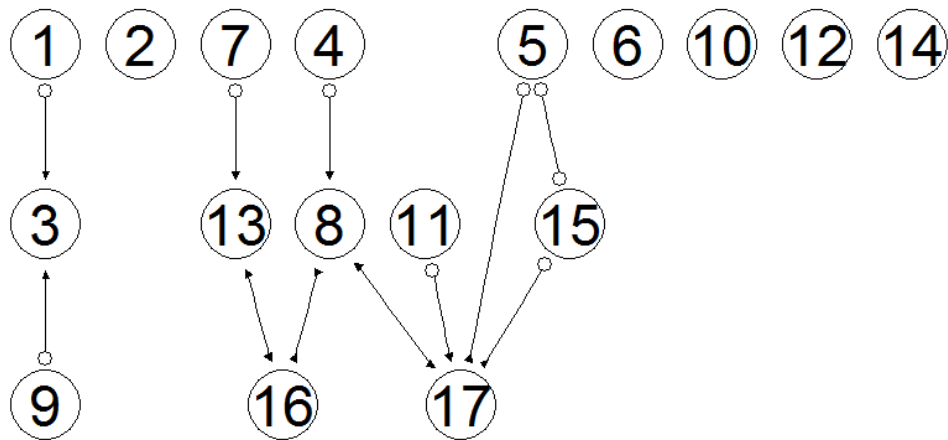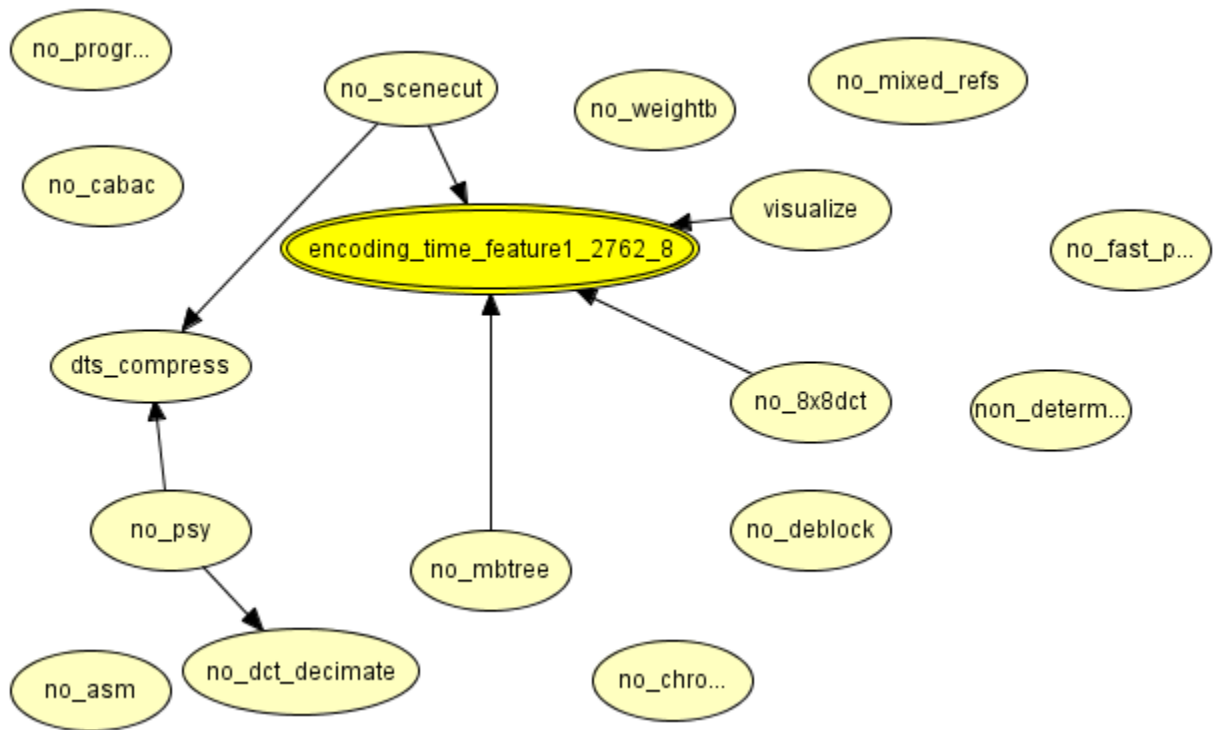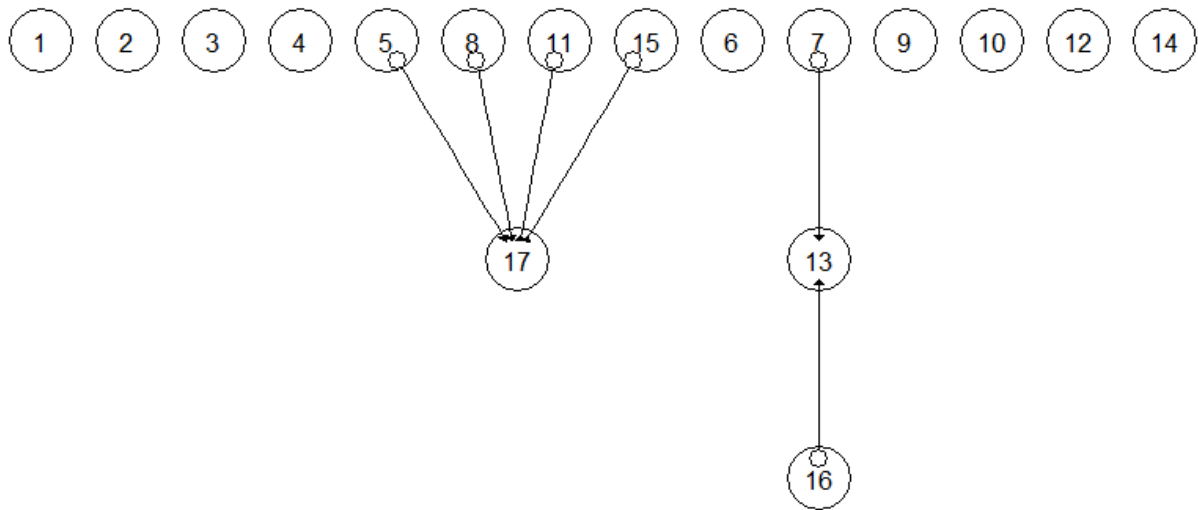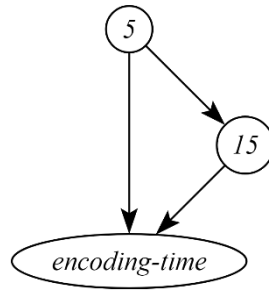# X264-1

[1] "non_deterministic" "no_asm" "no_mixed_refs"

[4] "no_chroma_me" "no_8x8dct" "no_fast_pskip"

[7] "no_dct_decimate" "no_scenecut" "no_cabac"

[10] "no_deblock" "no_mbtree" "no_weightb"

[13] "no_psy" "no_progress" "visualize"

[16] "dts_compress" "encoding_time_feature1_2762_8"

p-value .01

Identifiability

1      $P_{15}^* \left(encoding - time \right) - \sum_5 P^* \left(encoding - time | 15, 5 \right) P^* \left(5 \right)$

Simplified   Obtained by Adjustment with admissible set $\{5\}$

Derivation in | Do-Calculus ▾ |

| Expand All | Collapse All |

- $P_{15}^* \left(encoding - time \right)$ (1)
  - $\sum_5 P_{15}^* \left(encoding - time, 5 \right)$ Summing over: 5   (2)
    - $\sum_5 P_{5,15}^* \left(encoding - time \right) P_{15, encoding-time}^* \left(5 \right)$ C-Component Form   (3)
      - $P_{5,15}^* \left(encoding - time \right)$ (4)
        - $P^* \left(encoding - time | 15, 5 \right)$ Rule 2: $(15, 5 \perp encoding - time)_{G_{\underline{15,5}}}$ (5)
      - $P_{15, encoding \; time}^* \left(5 \right)$ (6)
        - $P^* \left(5 \right)$ Rule 3: $(15, encoding - time \perp 5)_{G_{\overline{15, encoding-time}}}$ (7)

Finally we get: $\sum_5 P^* \left(encoding - time | 15, 5 \right) P^* \left(5 \right)$

Subgraph:

G ☐ Show non active nodes/edges

| Load |
| Estimation |
| Derivation |
| Remove |
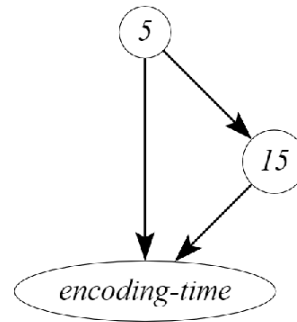
Transportability
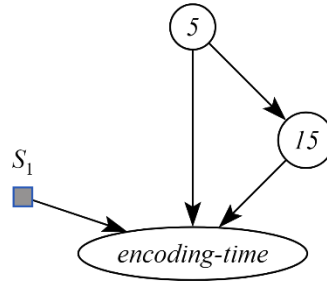
1	$P_{15}^*\left(encoding-time\right) = \sum_5 P^*\left(encoding-time|15,5\right)P^*\left(5\right)$		Load
			Derivation
			Remove

Simplified   Obtained by Adjustment with admissible set $\{5\}$

Derivation in Do-Calculus ▾

Subgraph:

☐ Show non active nodes/edges

G

Expand All Collapse All	
$P_{15}^*\left(encoding-time\right)$	(1)
$\sum_5 P_{15}^*\left(encoding-time,5\right)$ Summing over: 5	(2)
$\sum_5 P_{5,15}^*\left(encoding-time\right)P_{15,encoding-time}^*\left(5\right)$ C-Component Form	(3)
$P_{5,15}^*\left(encoding-time\right)$	(4)
$P^*\left(encoding-time|15,5\right)$ Rule 2: $(15,5 \perp encoding-time)_{G_{\underline{15,5}}}$	(5)
$P_{15,encoding\ time}^*\left(5\right)$	(6)
$P^*\left(5\right)$ Rule 3: $(15,encoding-time \perp 5)_{G_{\overline{15,encoding-time}}}$	(7)

Finally we get: $\sum_5 P^*\left(encoding-time|15,5\right)P^*\left(5\right)$

Recoverability

| 1 | $P_5\left(encoding-time\right)$ is not identifiable from $P\left(15,encoding-time,5\right)$. | | Load |
			Remove
2	$P_{15}\left(encoding-time\right)$ is not identifiable from $P\left(15,encoding-time,5\right)$.		Load
			Remove
3	$P_{15}\left(encoding-time\right)$ is not identifiable from $P\left(15,encoding-time,5\right)$.		Load
			Remove
4	$P_5\left(encoding-time\right)$ is not identifiable from $P\left(15,encoding-time,5\right)$.		Load
			Remove

X264-2

[1] "non_deterministic"   "no_asm"   "no_mixed_refs"

[4] "no_chroma_me"   "no_8x8dct"   "no_fast_pskip"

[7] "no_dct_decimate"   "no_scenecut"   "no_cabac"

[10] "no_deblock"   "no_mbtree"   "no_weightb"

[13] "no_psy"   "no_progress"   "visualize"

[16] "dts_compress"   "encoding_time_feature1_2762_32"
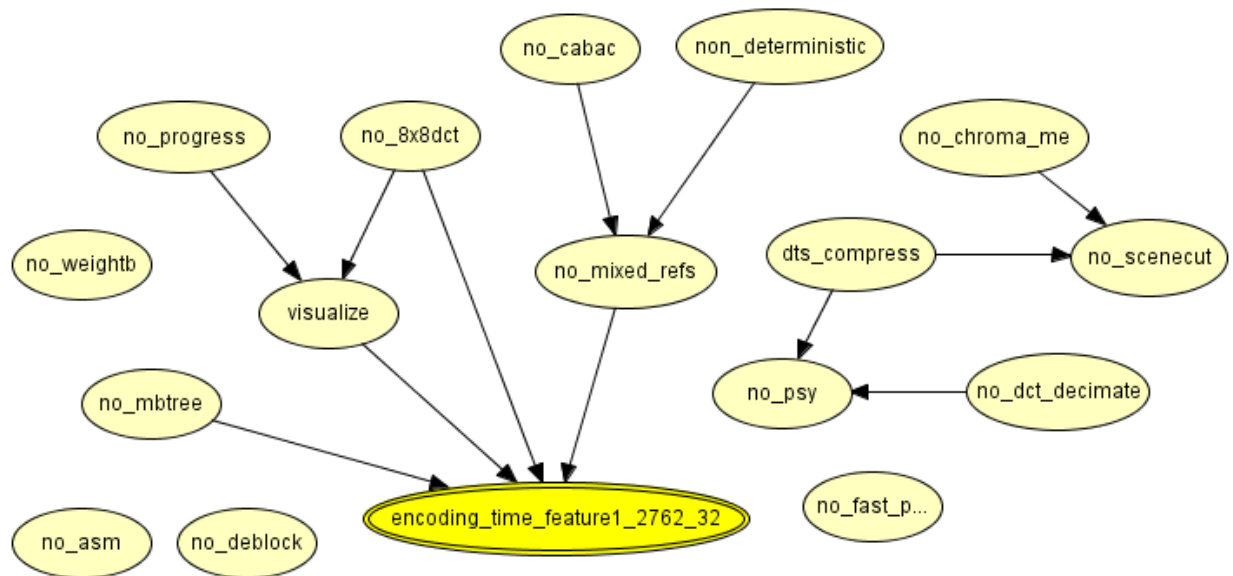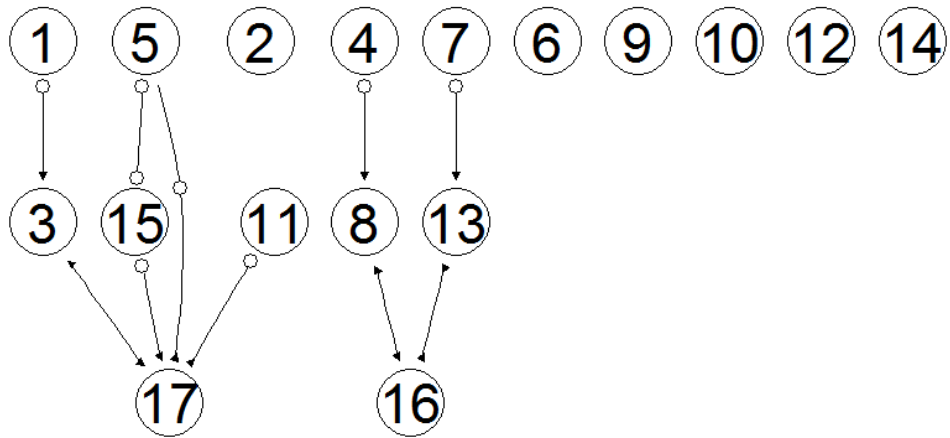
X264-3

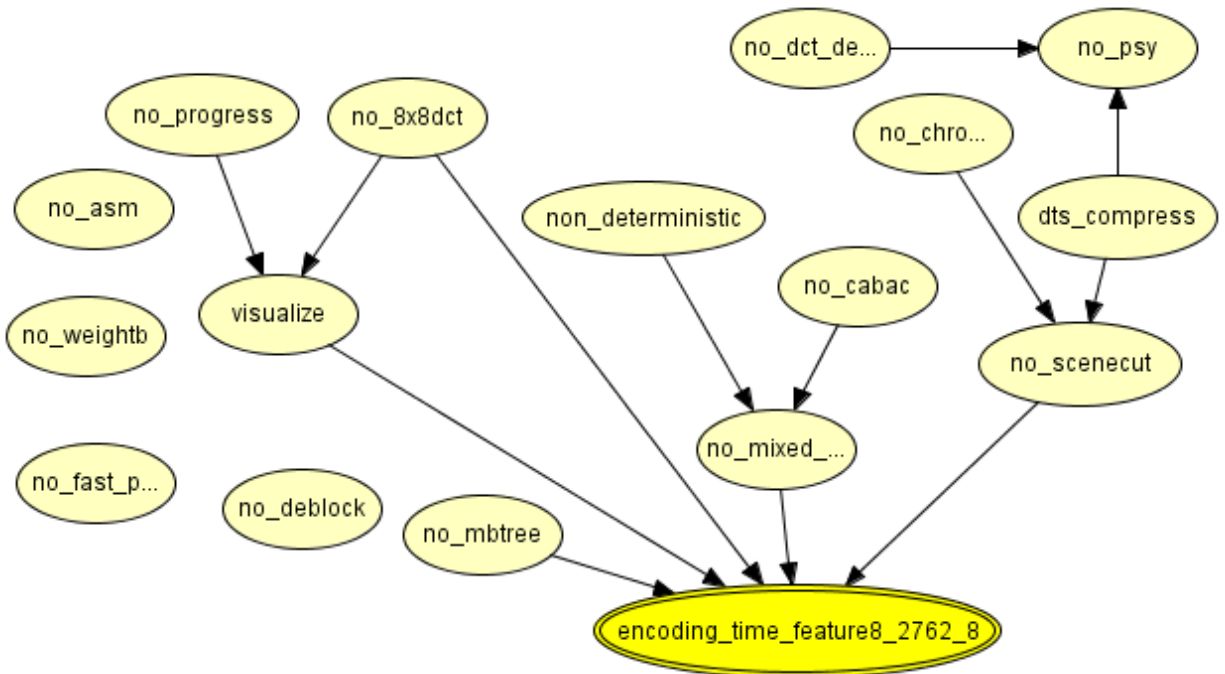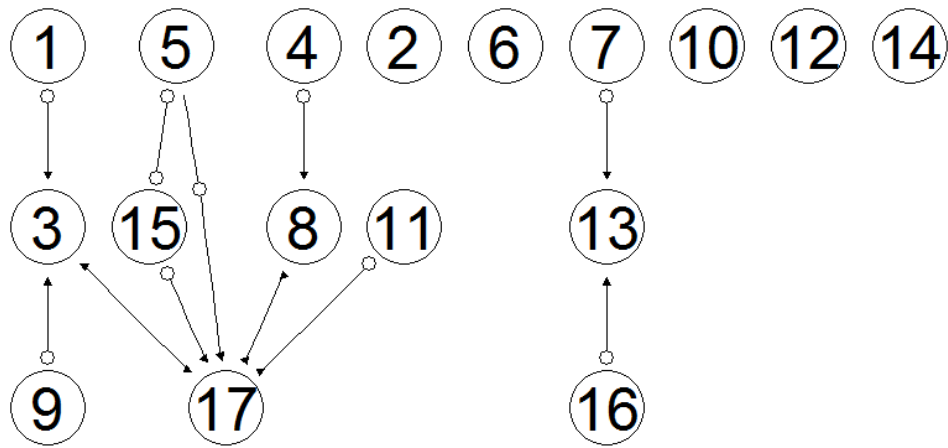[1] "non_deterministic"   "no_asm"   "no_mixed_refs"

 [4] "no_chroma_me"   "no_8x8dct"   "no_fast_pskip"

 [7] "no_dct_decimate"   "no_scenecut"   "no_cabac"

[10] "no_deblock"   "no_mbtree"   "no_weightb"

[13] "no_psy"   "no_progress"   "visualize"

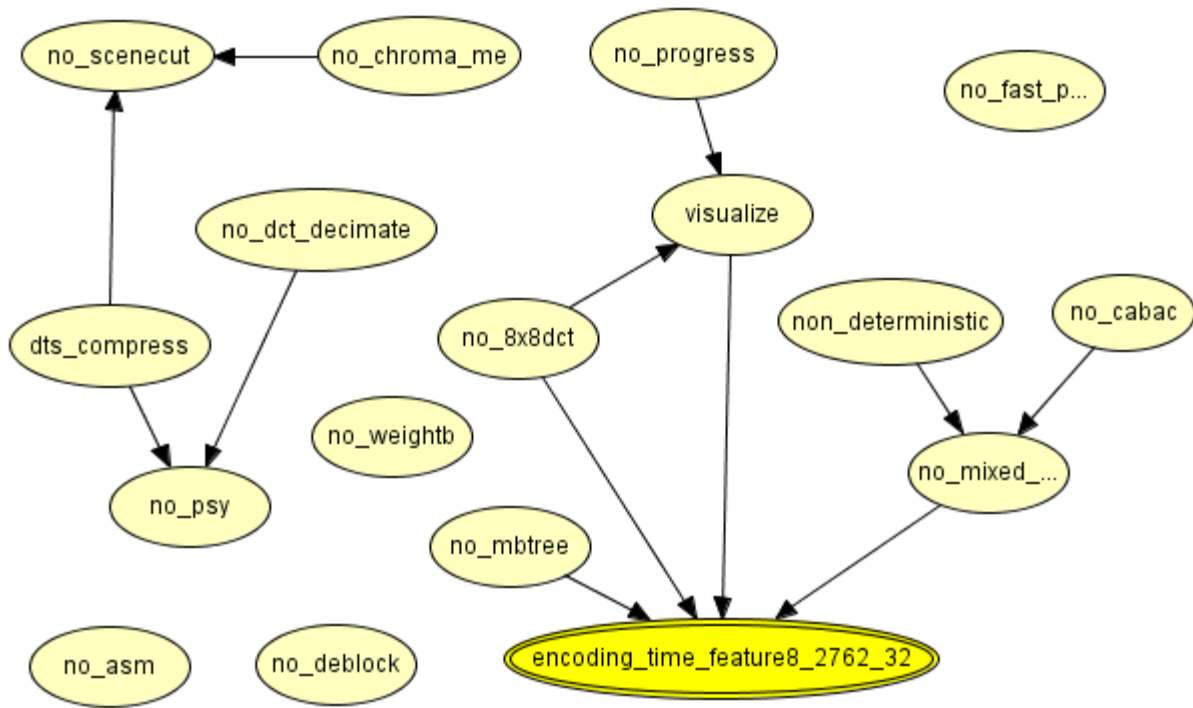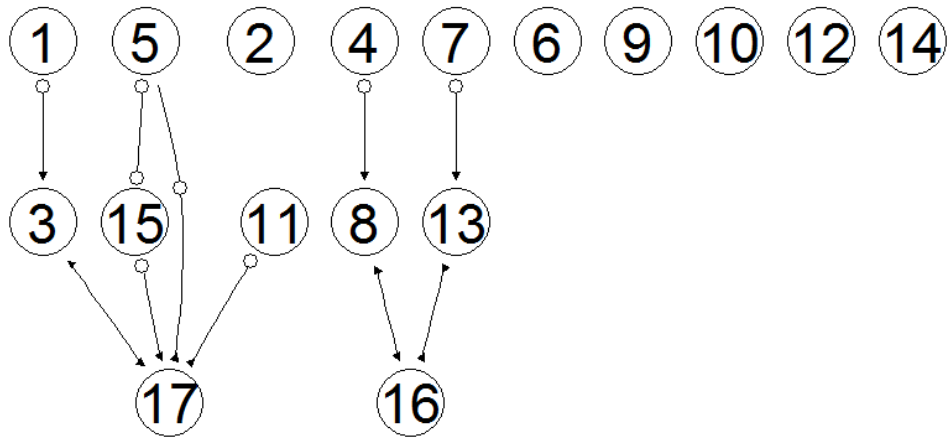[16] "dts_compress"   "encoding_time_feature1_2762_128"
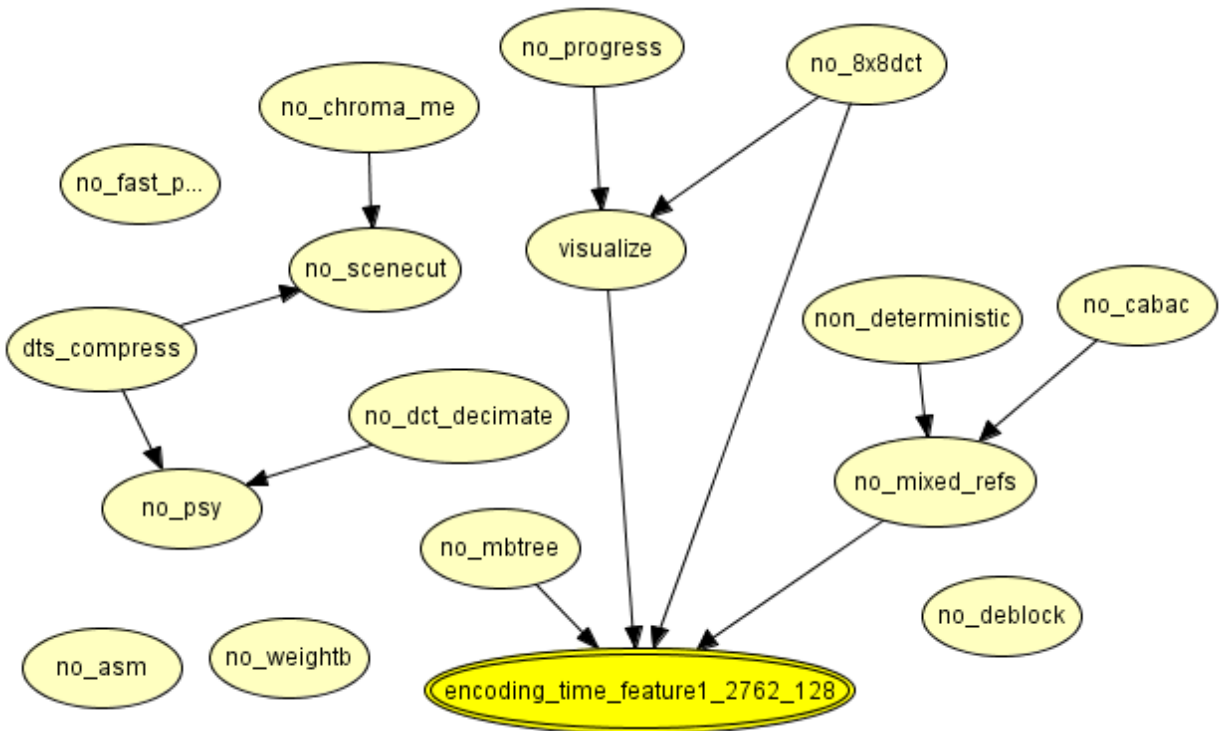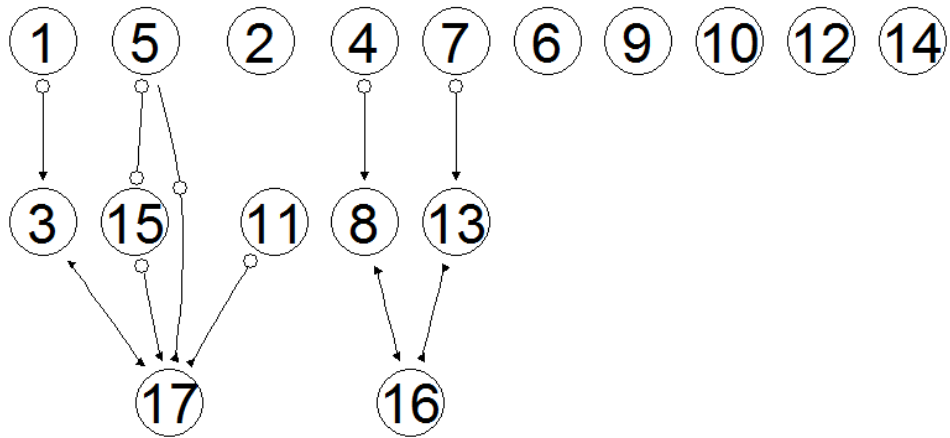
X264-4

[1] "non_deterministic" "no_asm" "no_mixed_refs"

 [4] "no_chroma_me" "no_8x8dct" "no_fast_pskip"

 [7] "no_dct_decimate" "no_scenecut" "no_cabac"

[10] "no_deblock" "no_mbtree" "no_weightb"

[13] "no_psy" "no_progress" "visualize"
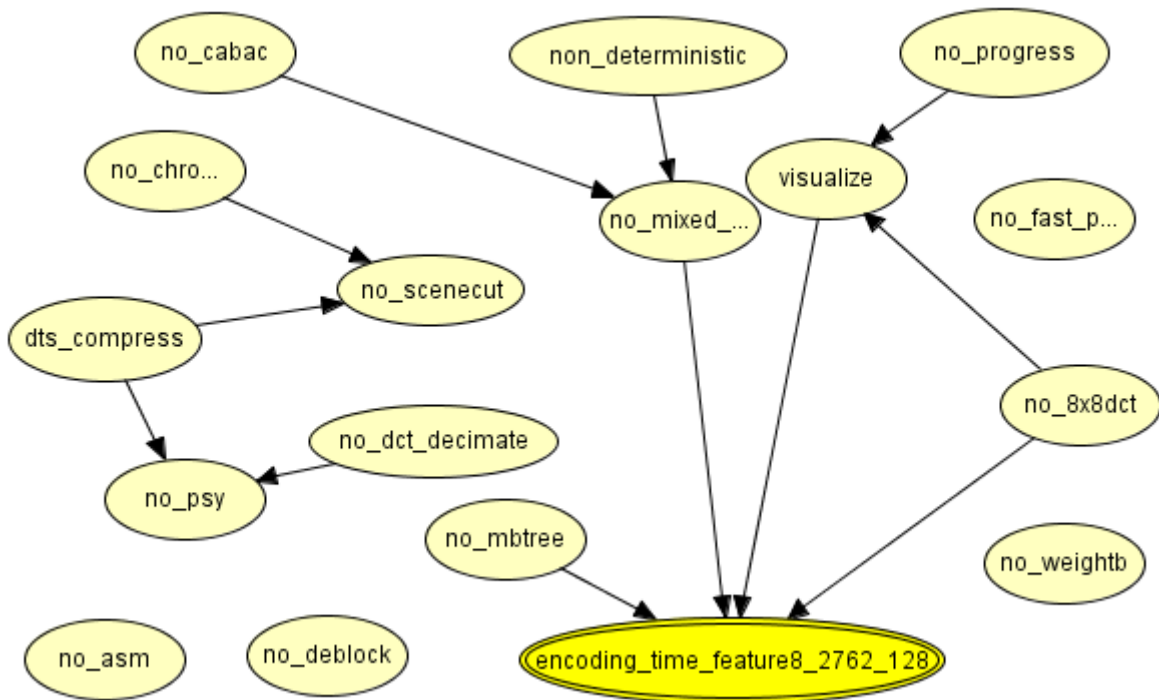
[16] "dts_compress" "encoding_time_feature8_2762_8"

X264-5

[1] "non_deterministic"   "no_asm"   "no_mixed_refs"

 [4] "no_chroma_me"   "no_8x8dct"   "no_fast_pskip"

 [7] "no_dct_decimate"   "no_scenecut"   "no_cabac"

[10] "no_deblock"   "no_mbtree"   "no_weightb"

[13] "no_psy"   "no_progress"   "visualize"
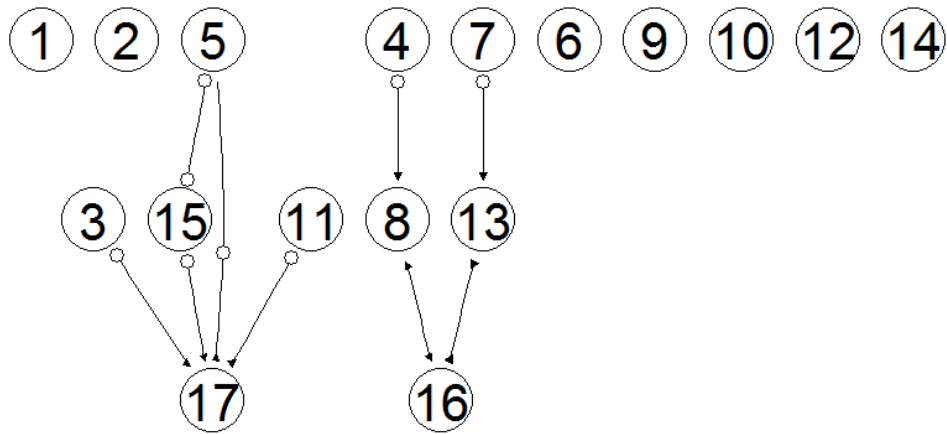
[16] "dts_compress"   "encoding_time_feature8_2762_32"

X264-6
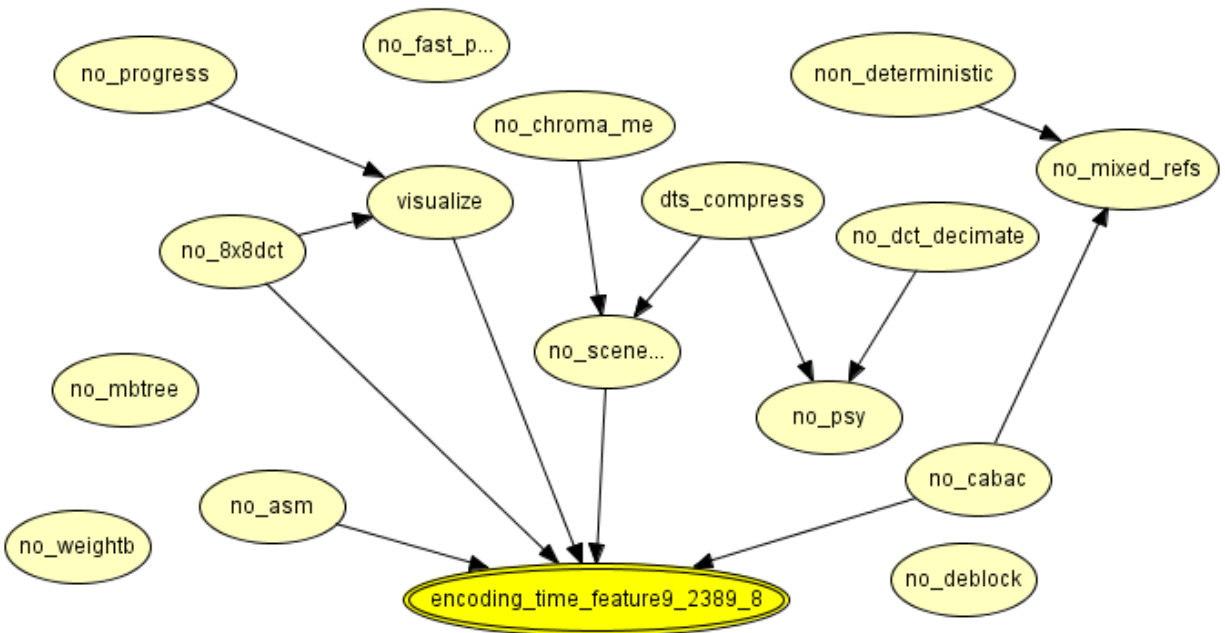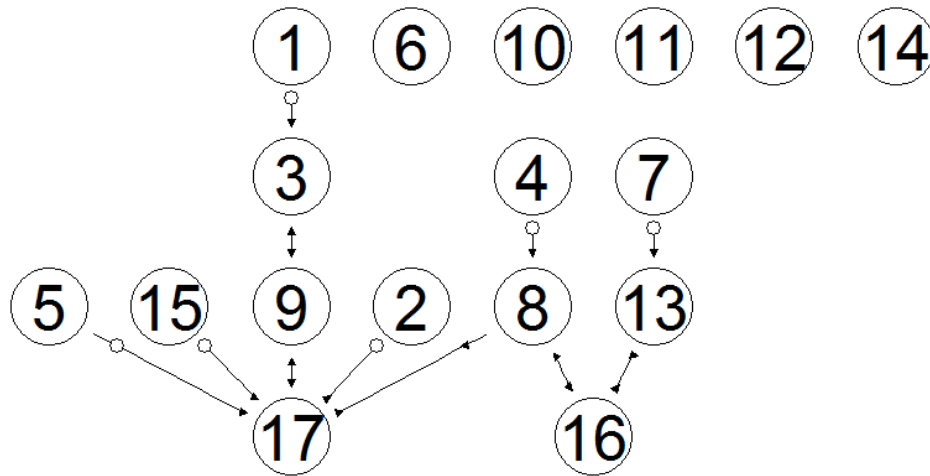
[1] "non_deterministic"   "no_asm"   "no_mixed_refs"

[4] "no_chroma_me"   "no_8x8dct"   "no_fast_pskip"

[7] "no_dct_decimate"   "no_scenecut"   "no_cabac"

[10] "no_deblock"   "no_mbtree"   "no_weightb"

[13] "no_psy"   "no_progress"   "visualize"

[16] "dts_compress"   "encoding_time_feature8_2762_128"

X264-7

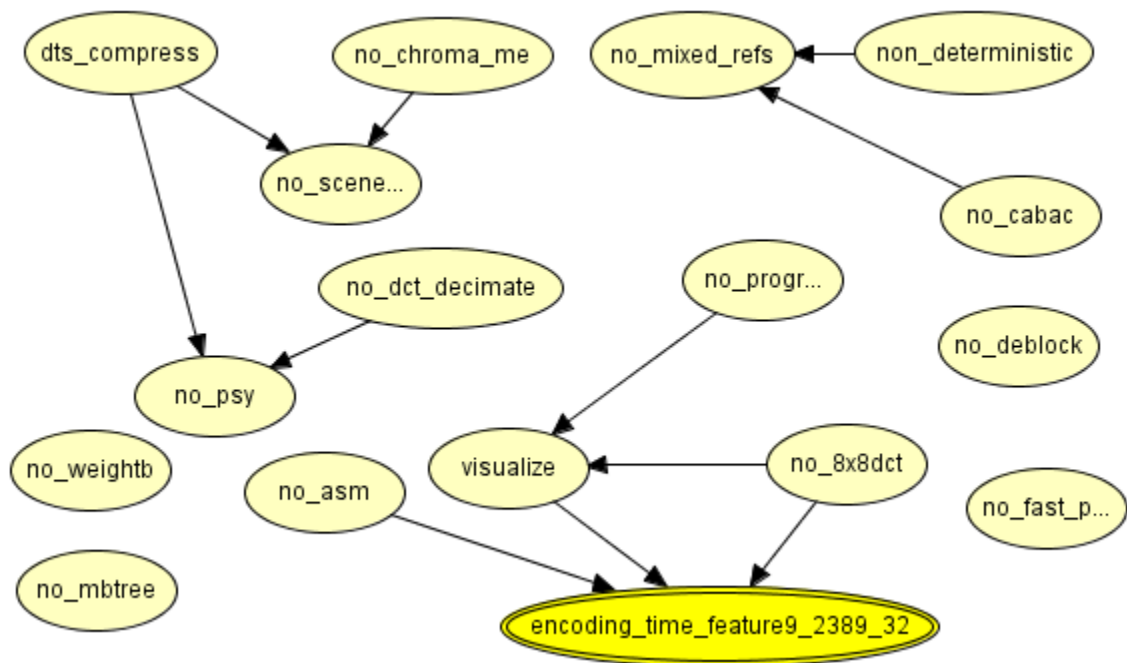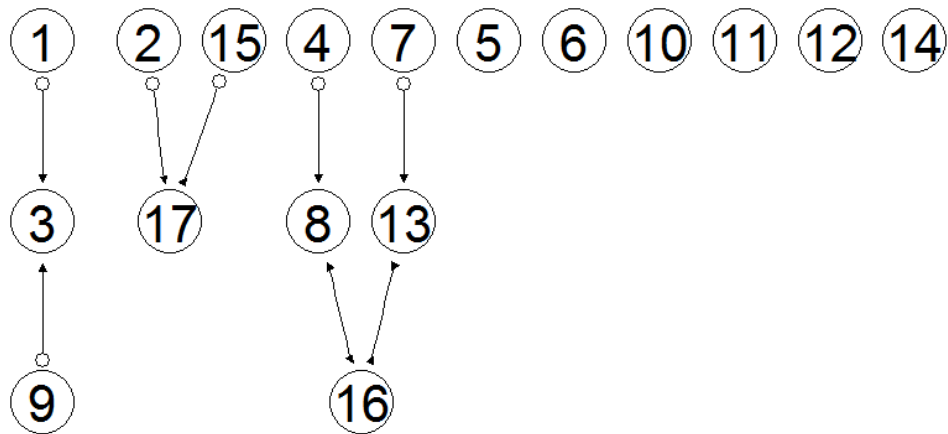[1] "non_deterministic"   "no_asm"   "no_mixed_refs"

 [4] "no_chroma_me"   "no_8x8dct"   "no_fast_pskip"

 [7] "no_dct_decimate"   "no_scenecut"   "no_cabac"

[10] "no_deblock"   "no_mbtree"   "no_weightb"

[13] "no_psy"   "no_progress"   "visualize"

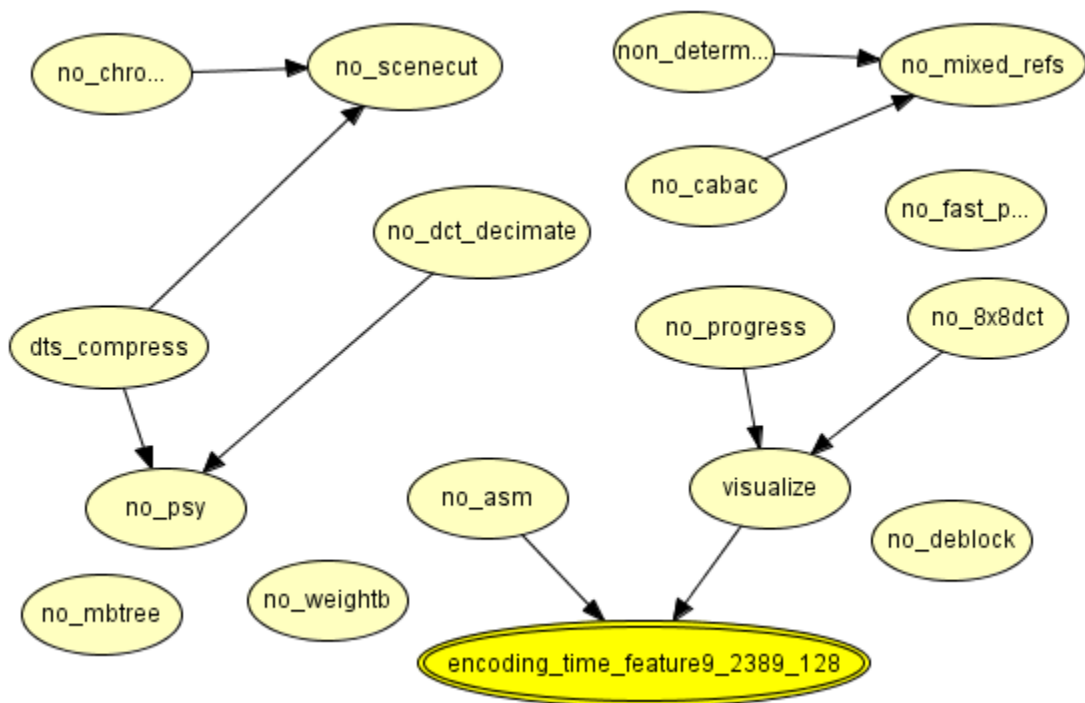[16] "dts_compress"   "encoding_time_feature9_2389_8"

X264-8

[1] "non_deterministic"   "no_asm"   "no_mixed_refs"

 [4] "no_chroma_me"   "no_8x8dct"   "no_fast_pskip"

 [7] "no_dct_decimate"   "no_scenecut"   "no_cabac"

[10] "no_deblock"   "no_mbtree"   "no_weightb"

[13] "no_psy"   "no_progress"   "visualize"
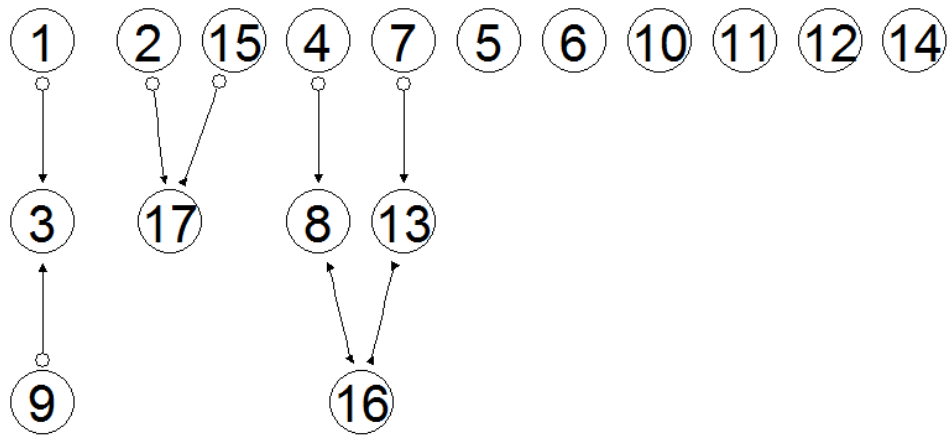
[16] "dts_compress"   "encoding_time_feature9_2389_32"

X264-9

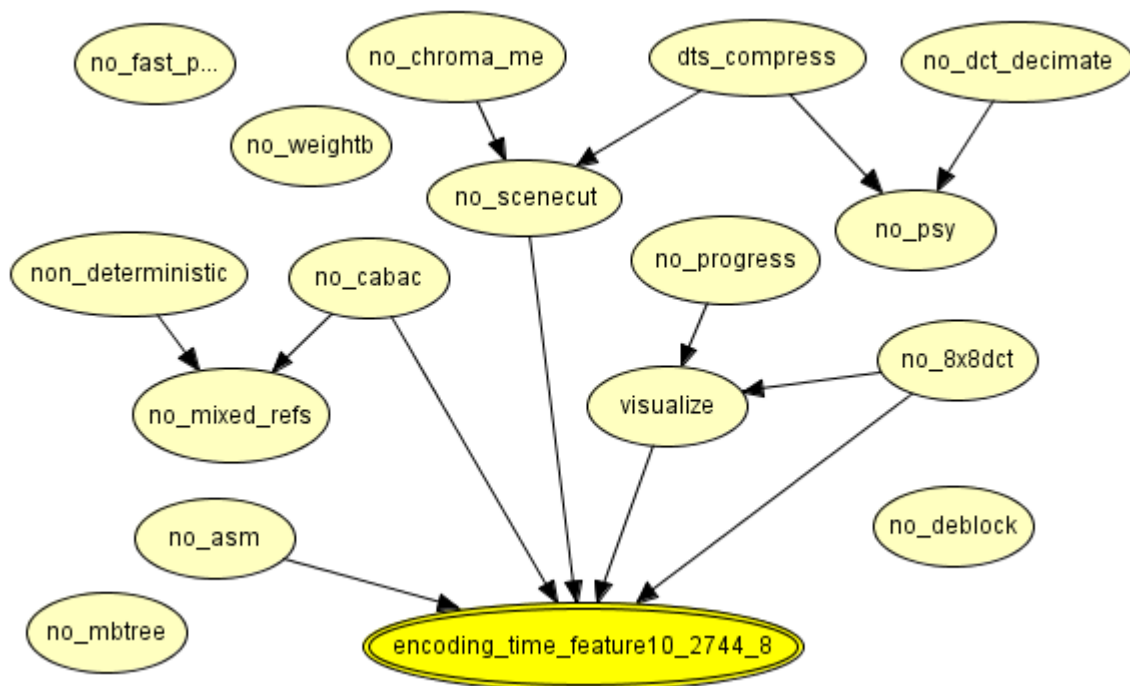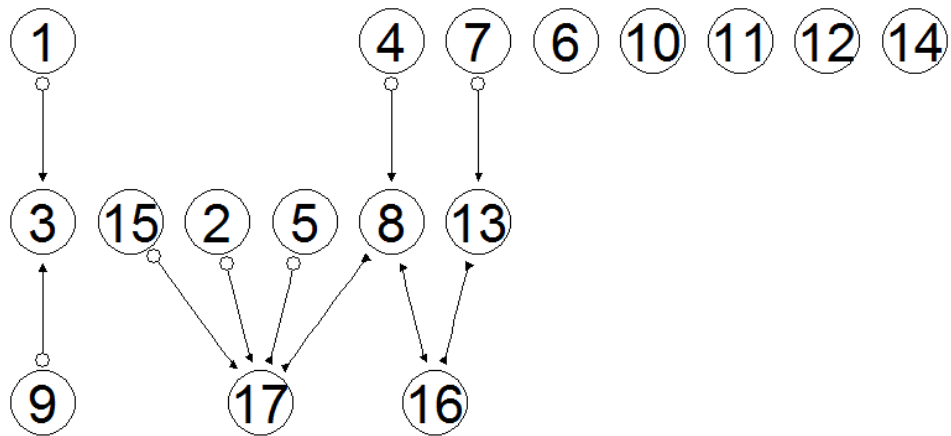[1] "non_deterministic"   "no_asm"   "no_mixed_refs"

 [4] "no_chroma_me"   "no_8x8dct"   "no_fast_pskip"

 [7] "no_dct_decimate"   "no_scenecut"   "no_cabac"

[10] "no_deblock"   "no_mbtree"   "no_weightb"

[13] "no_psy"   "no_progress"   "visualize"
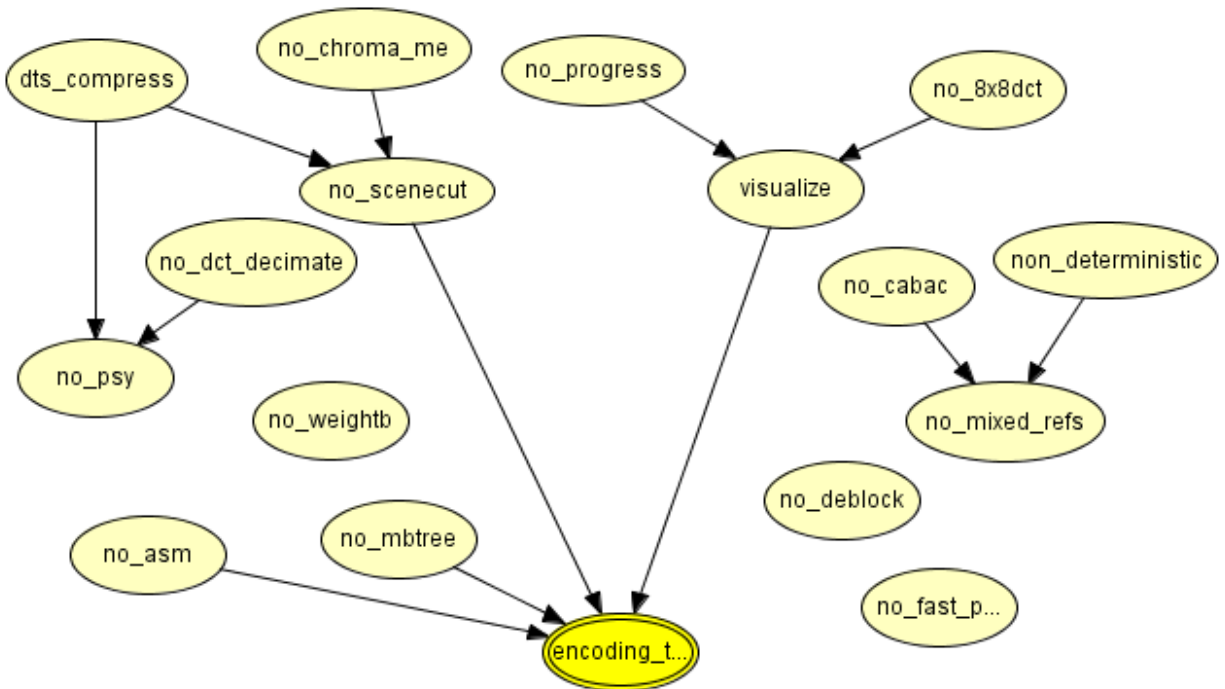
[16] "dts_compress"   "encoding_time_feature9_2389_128"
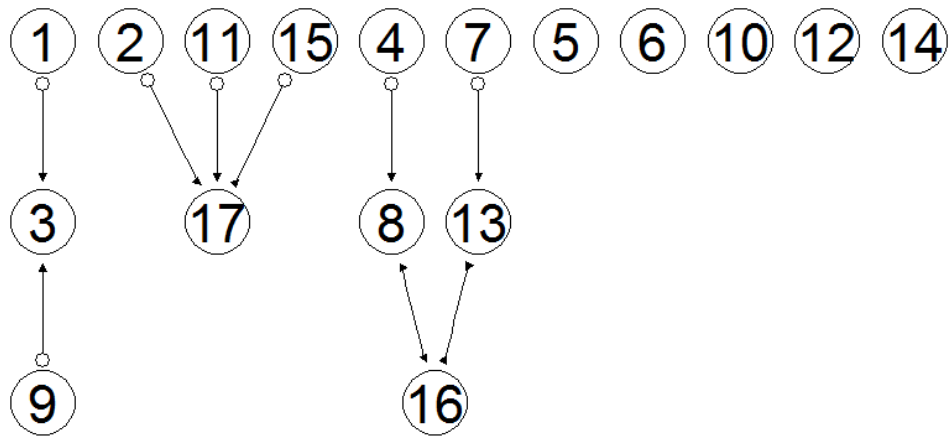
X264-10

[1] "non_deterministic"   "no_asm"   "no_mixed_refs"

[4] "no_chroma_me"   "no_8x8dct"   "no_fast_pskip"

[7] "no_dct_decimate"   "no_scenecut"   "no_cabac"

[10] "no_deblock"   "no_mbtree"   "no_weightb"

[13] "no_psy"   "no_progress"   "visualize"

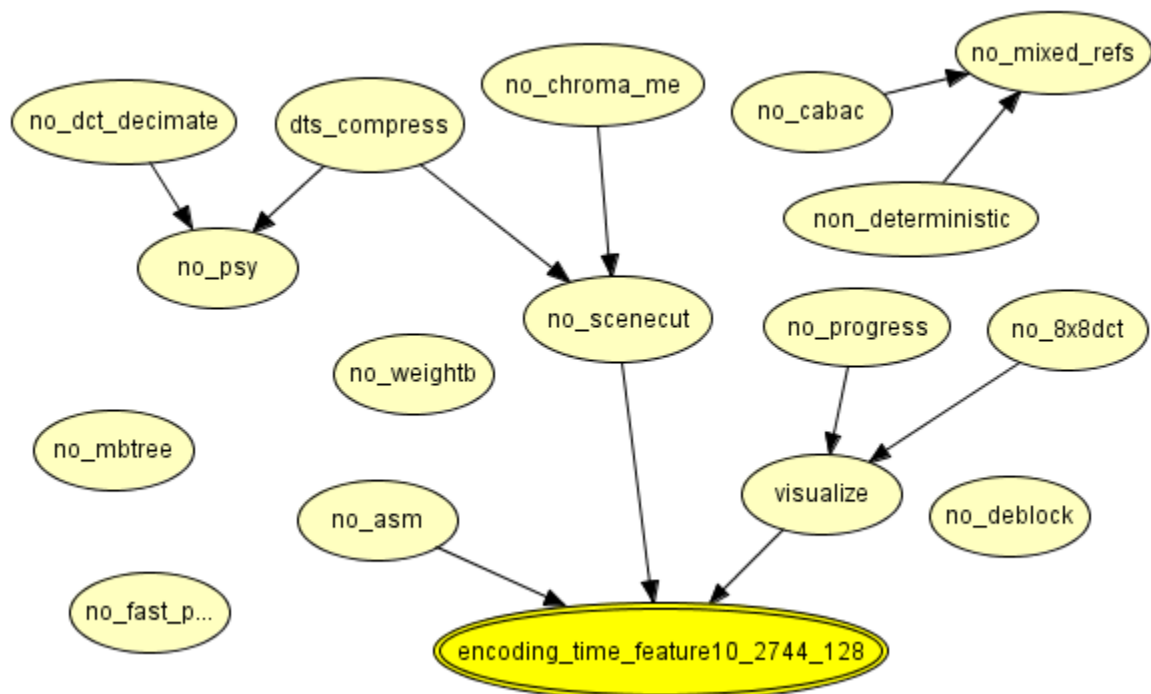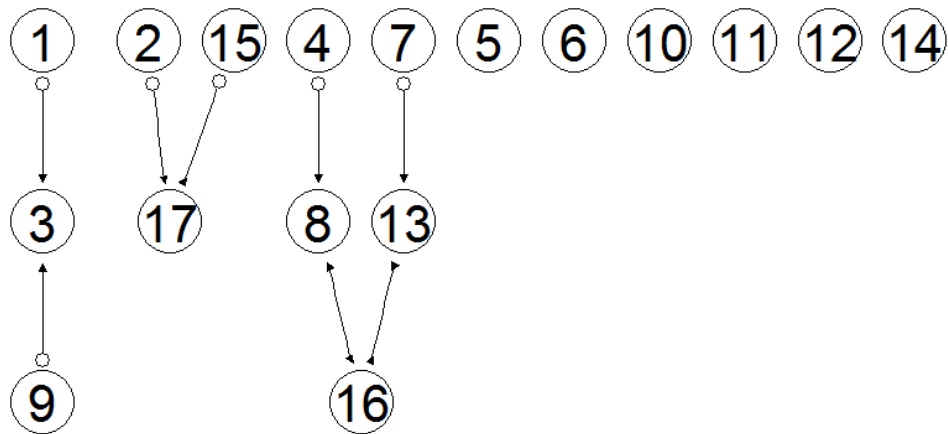[16] "dts_compress"   "encoding_time_feature10_2744_8"

X264-11

[1] "non_deterministic" "no_asm" "no_mixed_refs"

 [4] "no_chroma_me" "no_8x8dct" "no_fast_pskip"

 [7] "no_dct_decimate" "no_scenecut" "no_cabac"

[10] "no_deblock" "no_mbtree" "no_weightb"

[13] "no_psy" "no_progress" "visualize"

[16] "dts_compress" "encoding_time_feature10_2744_32"

X264-12

[1] "non_deterministic"   "no_asm"   "no_mixed_refs"

 [4] "no_chroma_me"   "no_8x8dct"   "no_fast_pskip"

 [7] "no_dct_decimate"   "no_scenecut"   "no_cabac"

[10] "no_deblock"   "no_mbtree"   "no_weightb"

[13] "no_psy"   "no_progress"   "visualize"

[16] "dts_compress"   "encoding_time_feature10_2744_128"

X264-13
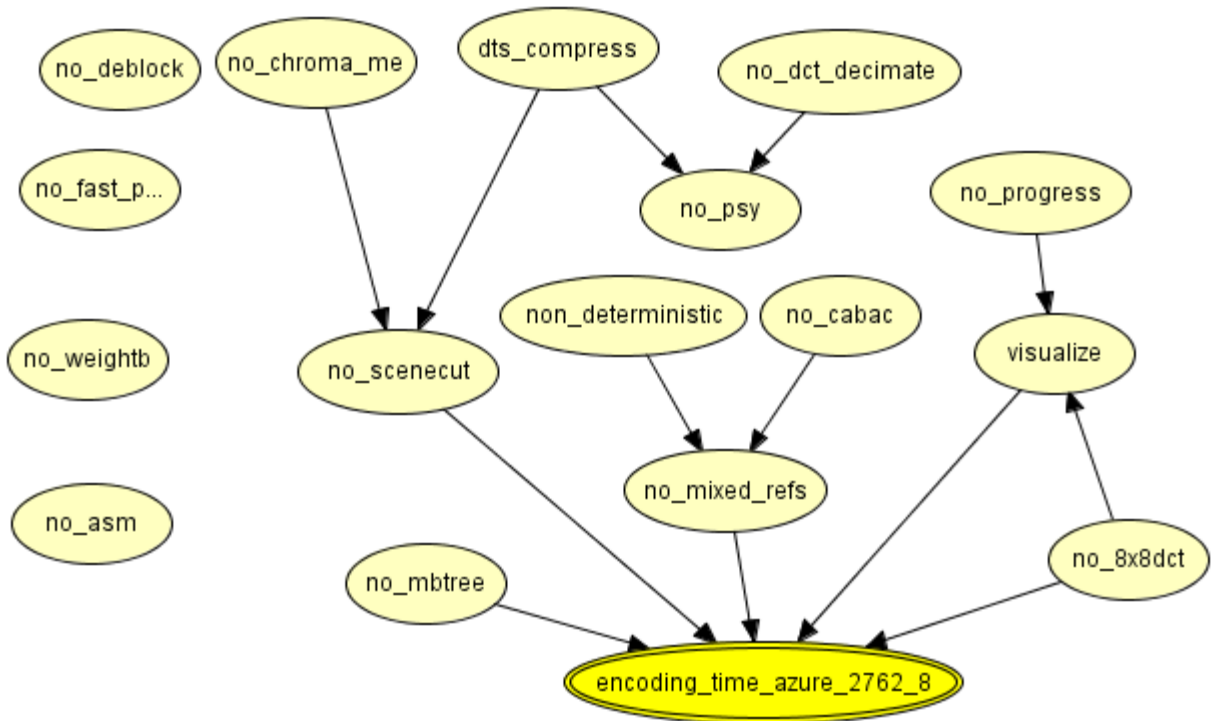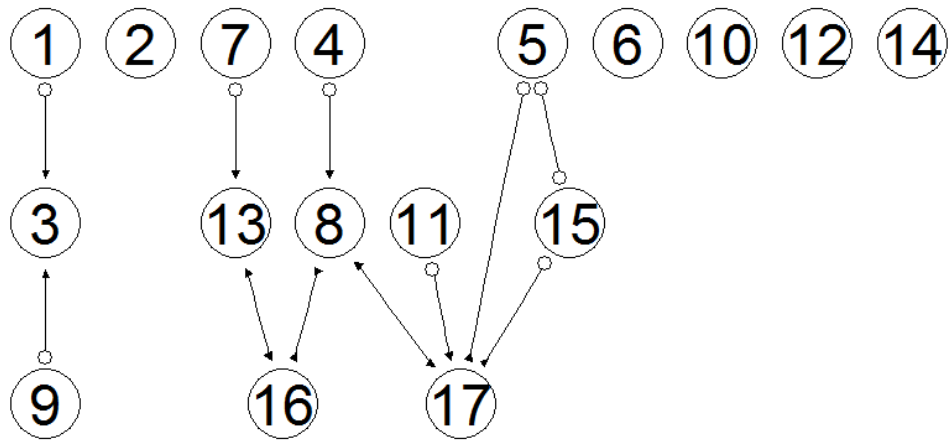
[1] "non_deterministic"   "no_asm"   "no_mixed_refs"   "no_chroma_me"

 [5] "no_8x8dct"   "no_fast_pskip"   "no_dct_decimate"   "no_scenecut"

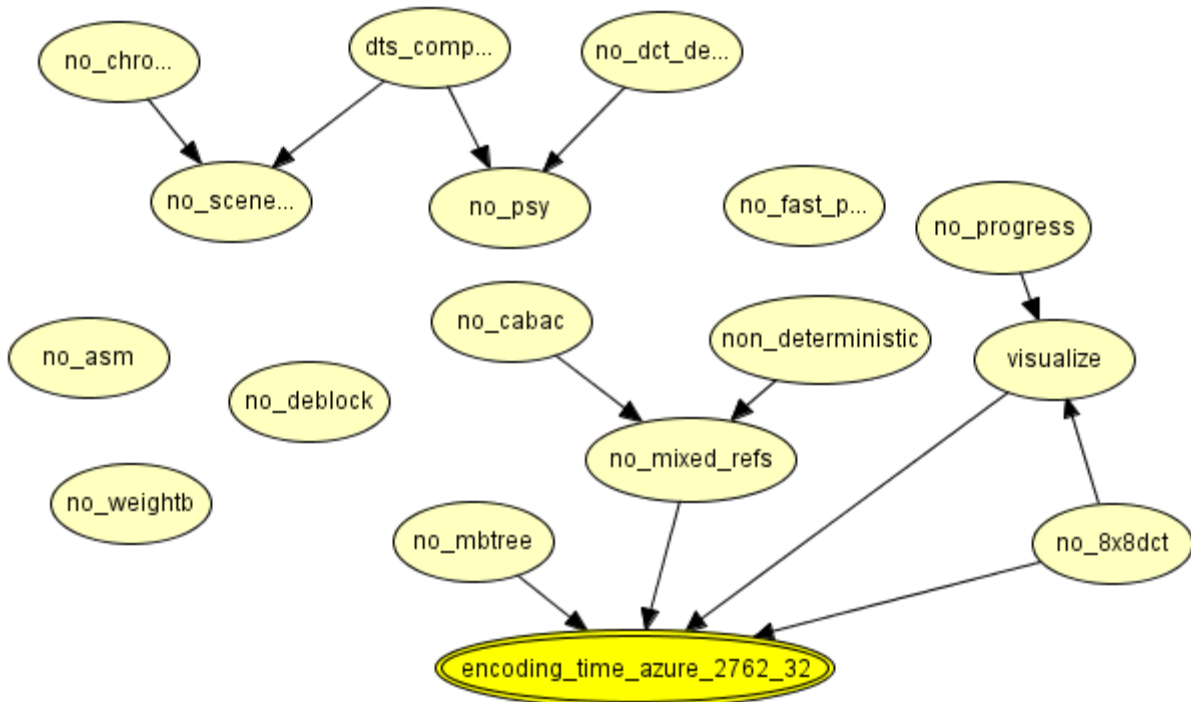 [9] "no_cabac"   "no_deblock"   "no_mbtree"   "no_weightb"

[13] "no_psy"   "no_progress"   "visualize"   "dts_compress"

[17] "encoding_time_azure_2762_8"

X264-14

[1] "non_deterministic"   "no_asm"   "no_mixed_refs"   "no_chroma_me"

[5] "no_8x8dct"   "no_fast_pskip"   "no_dct_decimate"   "no_scenecut"

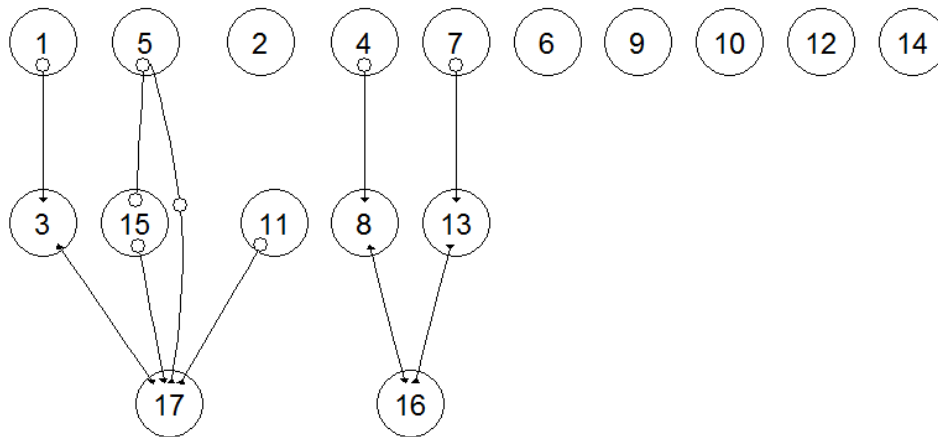[9] "no_cabac"   "no_deblock"   "no_mbtree"   "no_weightb"

[13] "no_psy"   "no_progress"   "visualize"   "dts_compress"

[17] "encoding_time_azure_2762_32"

X264-15
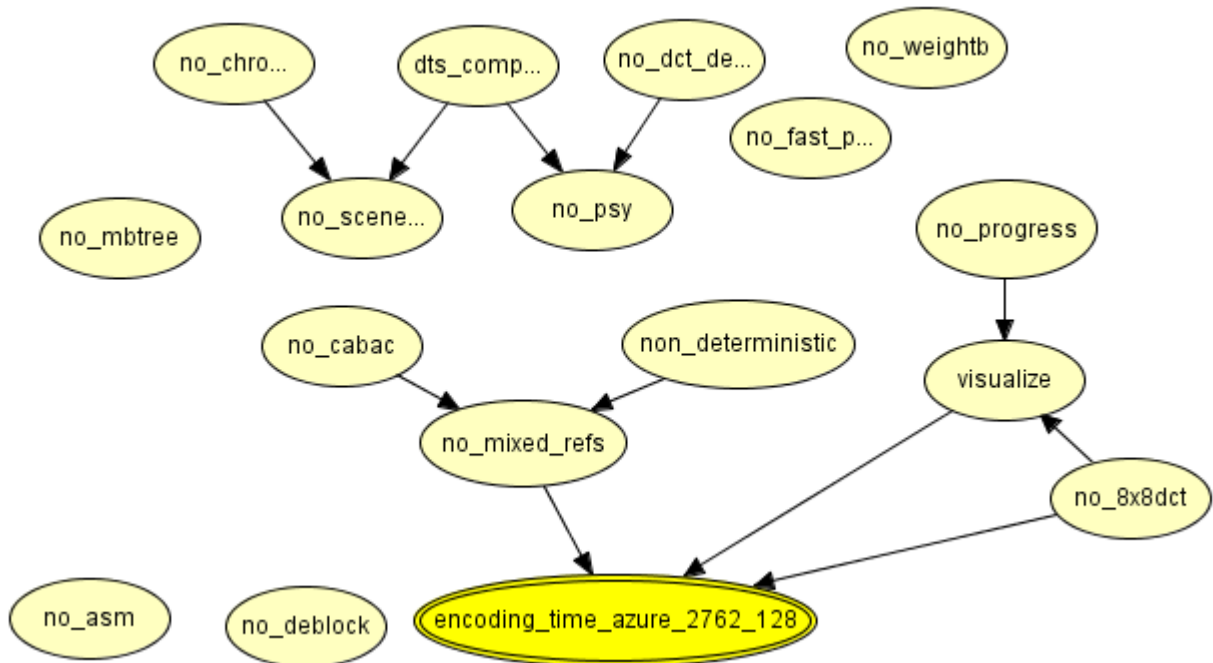
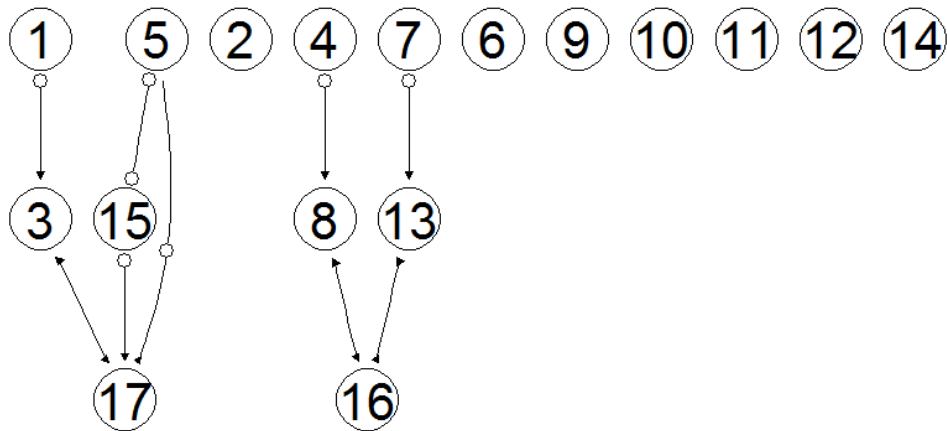[1] "non_deterministic"   "no_asm"   "no_mixed_refs"   "no_chroma_me"

 [5] "no_8x8dct"   "no_fast_pskip"   "no_dct_decimate"   "no_scenecut"

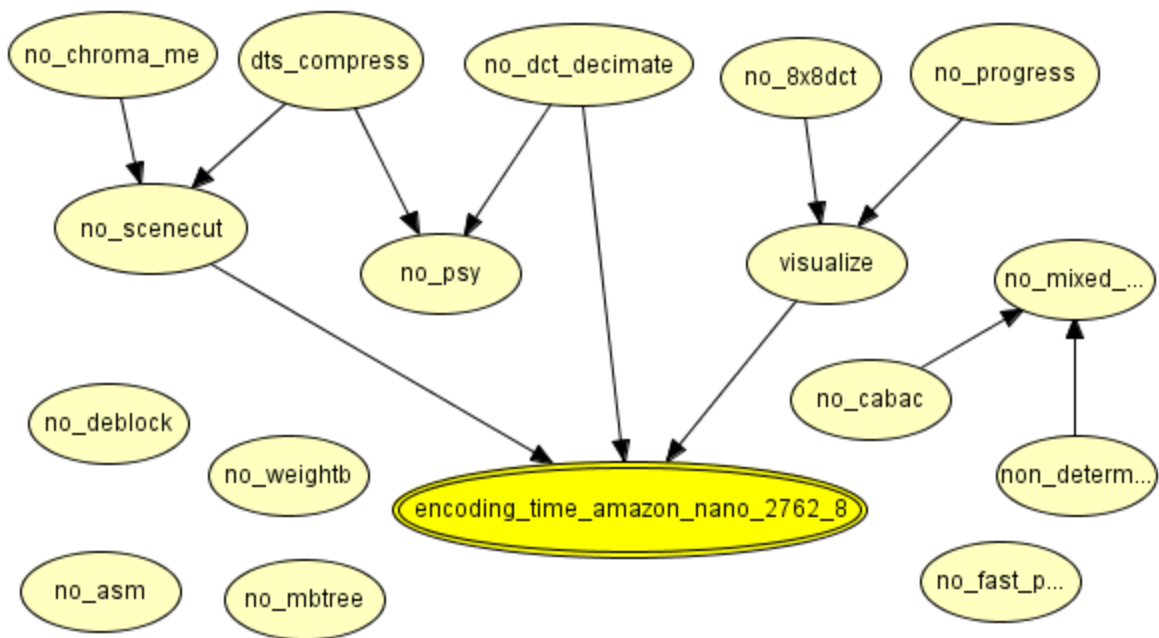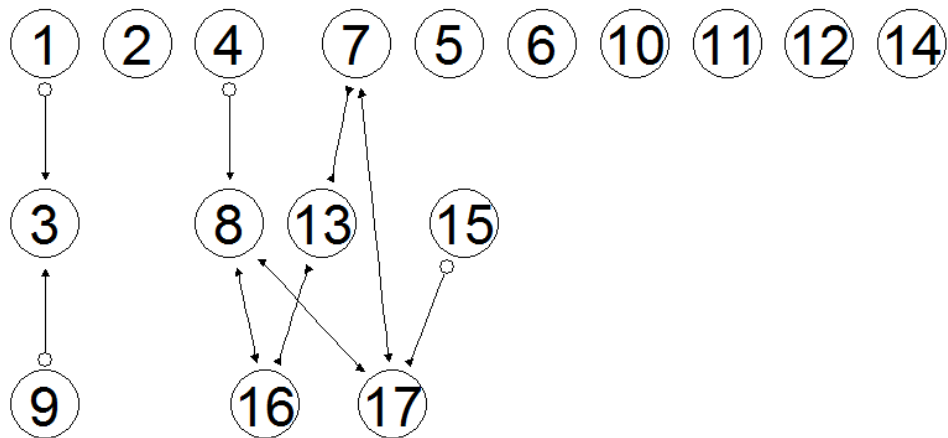 [9] "no_cabac"   "no_deblock"   "no_mbtree"   "no_weightb"

[13] "no_psy"   "no_progress"   "visualize"   "dts_compress"

[17] "encoding_time_azure_2762_128"
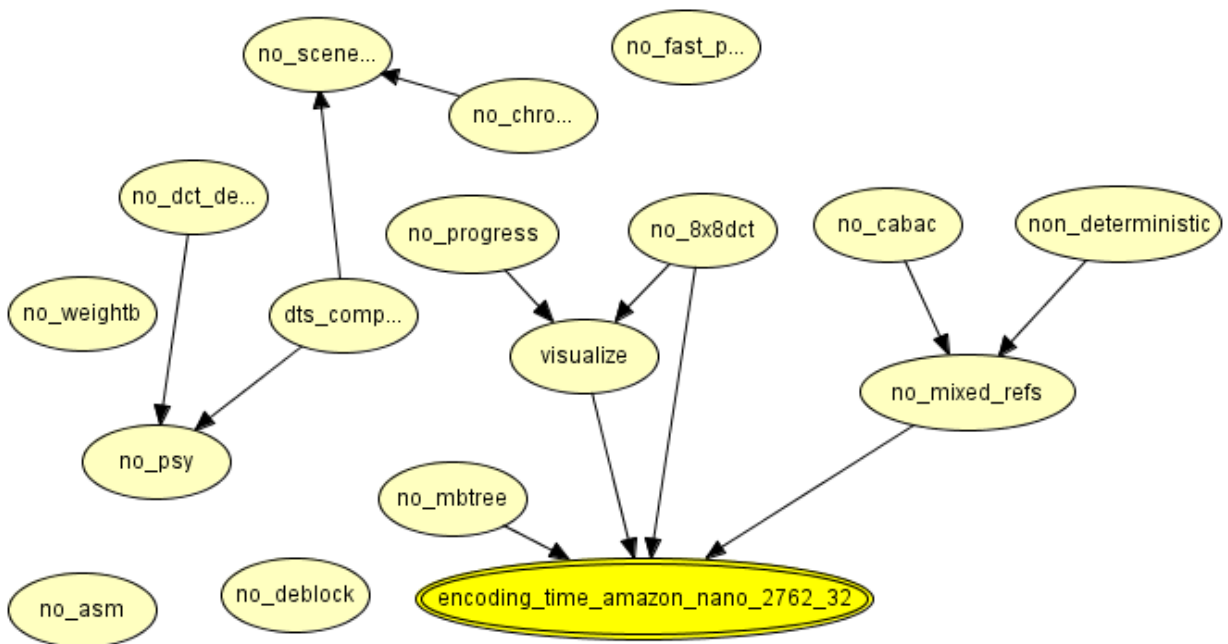
X264-16

[1] "non_deterministic"   "no_asm"   "no_mixed_refs"

[4] "no_chroma_me"   "no_8x8dct"   "no_fast_pskip"

[7] "no_dct_decimate"   "no_scenecut"   "no_cabac"

[10] "no_deblock"   "no_mbtree"   "no_weightb"

[13] "no_psy"   "no_progress"   "visualize"

[16] "dts_compress"   "encoding_time_amazon_nano_2762_8"
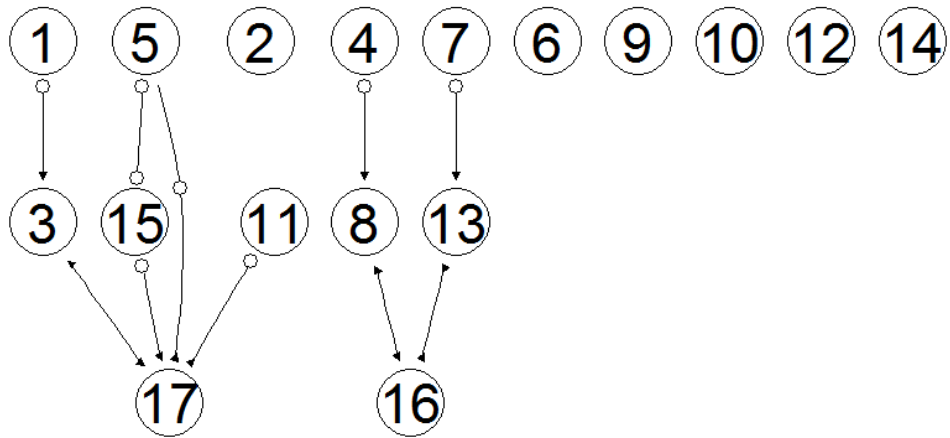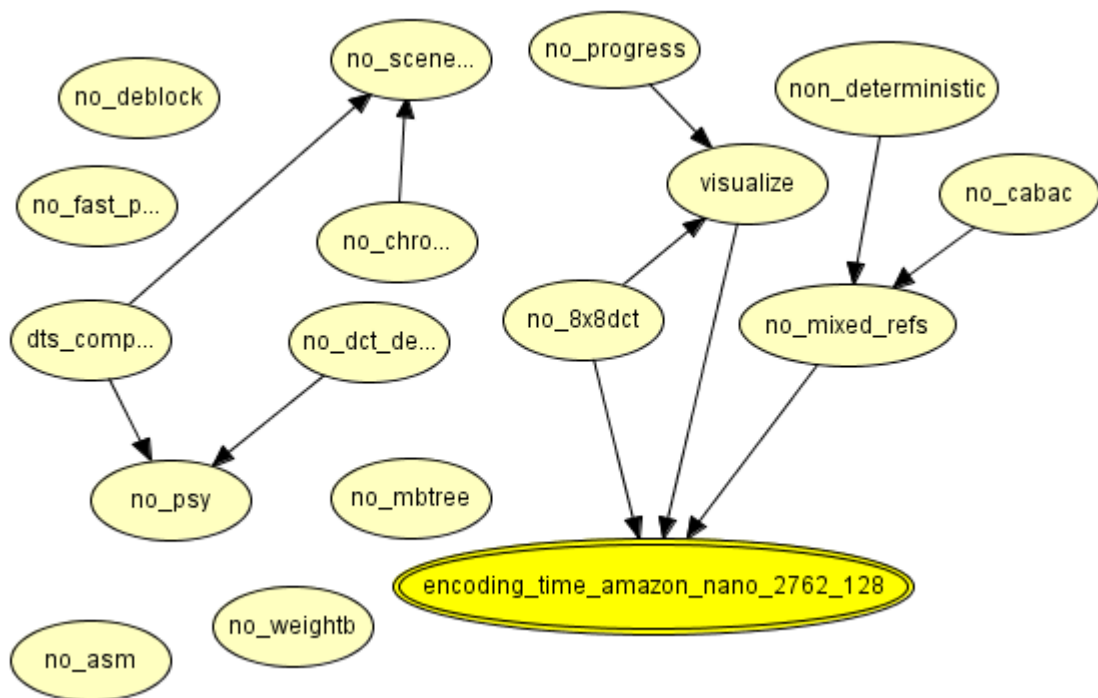
X264-17

[1] "non_deterministic"   "no_asm"   "no_mixed_refs"

 [4] "no_chroma_me"   "no_8x8dct"   "no_fast_pskip"

 [7] "no_dct_decimate"   "no_scenecut"   "no_cabac"

[10] "no_deblock"   "no_mbtree"   "no_weightb"

[13] "no_psy"   "no_progress"   "visualize"

[16] "dts_compress"   "encoding_time_amazon_nano_2762_32"

X264-18
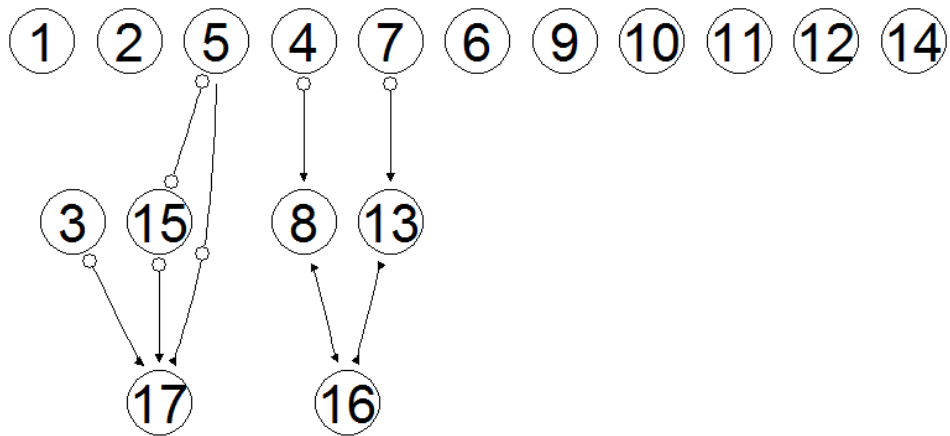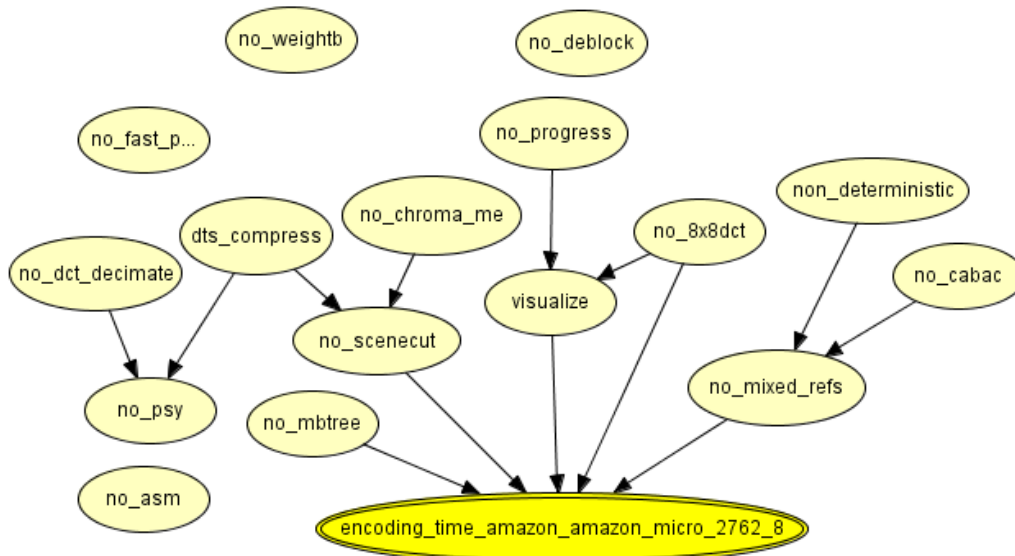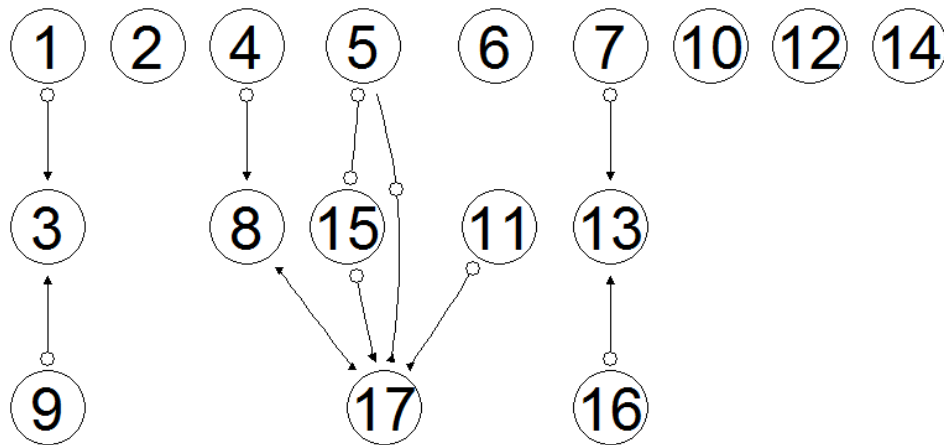
[1] "non_deterministic"   "no_asm"   "no_mixed_refs"

 [4] "no_chroma_me"   "no_8x8dct"   "no_fast_pskip"

 [7] "no_dct_decimate"   "no_scenecut"   "no_cabac"

[10] "no_deblock"   "no_mbtree"   "no_weightb"

[13] "no_psy"   "no_progress"   "visualize"

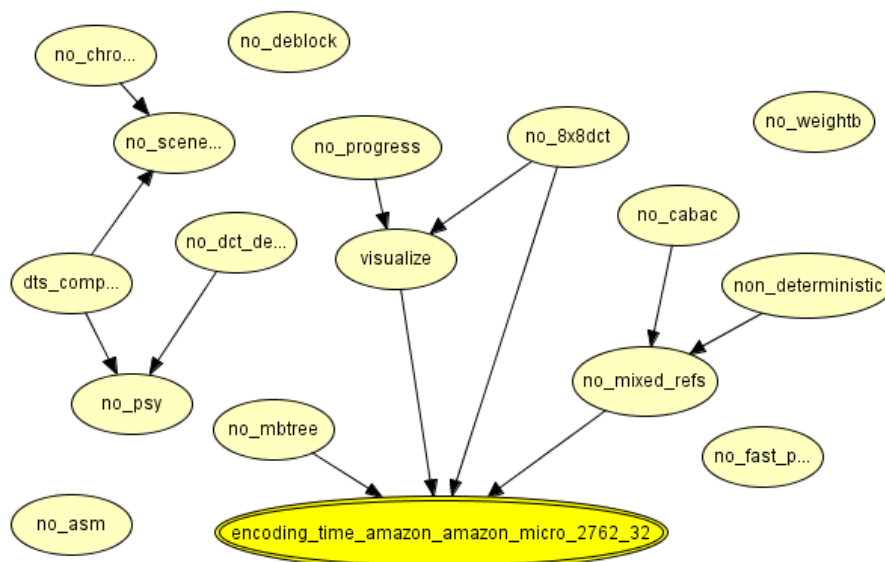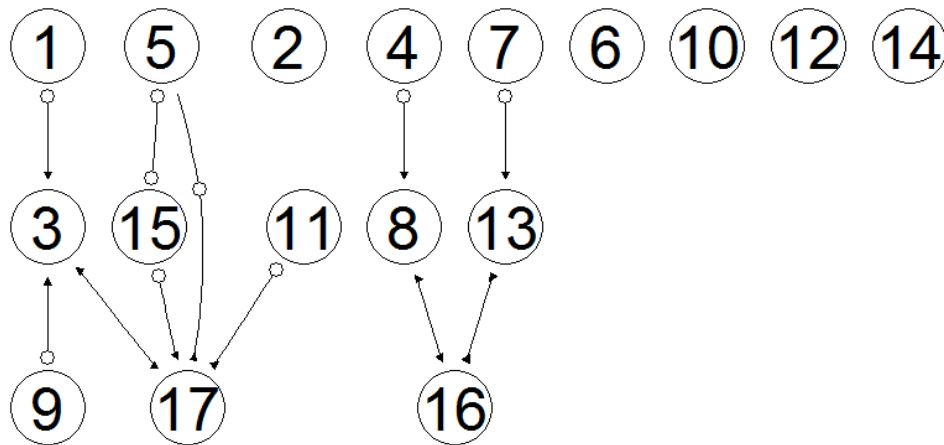[16] "dts_compress"   "encoding_time_amazon_nano_2762_128"

X264-19

[1] "non_deterministic"   "no_asm"

[3] "no_mixed_refs"   "no_chroma_me"

[5] "no_8x8dct"   "no_fast_pskip"

[7] "no_dct_decimate"   "no_scenecut"

[9] "no_cabac"   "no_deblock"

[11] "no_mbtree"   "no_weightb"

[13] "no_psy"   "no_progress"

[15] "visualize"   "dts_compress"

[17] "encoding_time_amazon_amazon_micro_2762_8"

X264-20

[1] "non_deterministic"   "no_asm"

 [3] "no_mixed_refs"   "no_chroma_me"

 [5] "no_8x8dct"   "no_fast_pskip"

 [7] "no_dct_decimate"   "no_scenecut"

 [9] "no_cabac"   "no_deblock"

[11] "no_mbtree"   "no_weightb"

[13] "no_psy"   "no_progress"

[15] "visualize"   "dts_compress"

[17] "encoding_time_amazon_amazon_micro_2762_32"

X264-21

[1] "non_deterministic"   "no_asm"

[3] "no_mixed_refs"   "no_chroma_me"

[5] "no_8x8dct"   "no_fast_pskip"

[7] "no_dct_decimate"   "no_scenecut"

[9] "no_cabac"   "no_deblock"

[11] "no_mbtree"   "no_weightb"

[13] "no_psy"   "no_progress"

[15] "visualize"   "dts_compress"

[17] "encoding_time_amazon_amazon_micro_2762_128"