

Summary

October 16, 2019

Contents

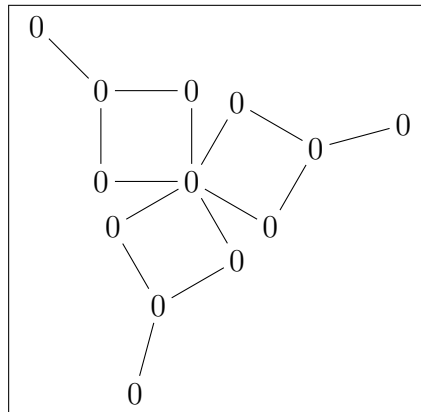
0.1	Loaded Graphs	2
0.1.1	Goal	2
0.1.2	Start	2
0.2	Loaded Rules	2
0.2.1	Mark for conversion	2
0.2.2	RemoveSingleR	4
0.2.3	reattachExternalEdge	4
0.2.4	removeAlreadyAttached	5
0.2.5	removeInterREdge	5
0.2.6	unmarkCollapsedNode	6
0.2.7	DG Hyper, dg_0	7
0.3	Product Graphs	8
0.3.1	p_{0,0}	8
0.3.2	p_{0,1}	8
0.3.3	p_{0,2}	9
0.3.4	p_{0,3}	9
0.3.5	p_{0,4}	10
0.3.6	p_{0,5}	10
0.3.7	p_{0,6}	11
0.3.8	p_{0,7}	11
0.3.9	p_{0,8}	12
0.3.10	p_{0,9}	12
0.3.11	p_{0,10}	13
0.3.12	p_{0,11}	13
0.3.13	p_{0,12}	13
0.3.14	p_{0,13}	14
0.3.15	p_{0,14}	14
0.4	Flow Solutions, id 0	14

0.1 Loaded Graphs

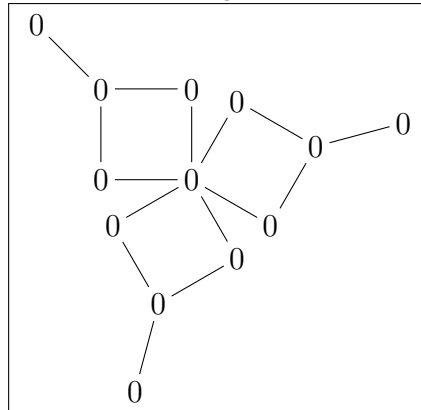
0.1.1 Goal

$\boxed{0}$
 File: out/000_g_0_10300000
 $\boxed{0}$
 File: out/000_g_0_11310100

0.1.2 Start



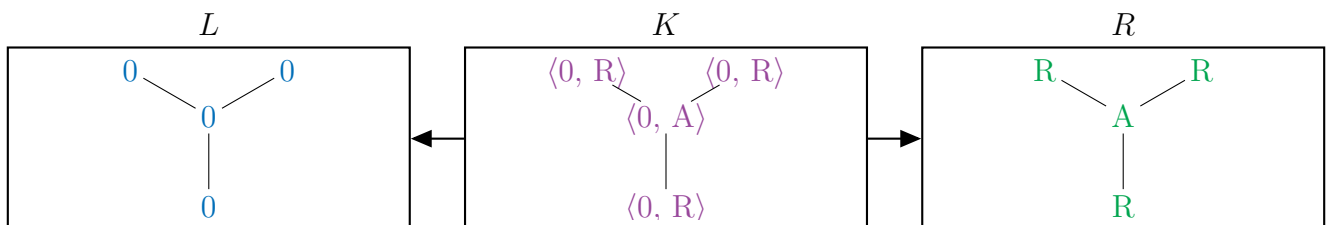
File: out/001_g_1_10300000



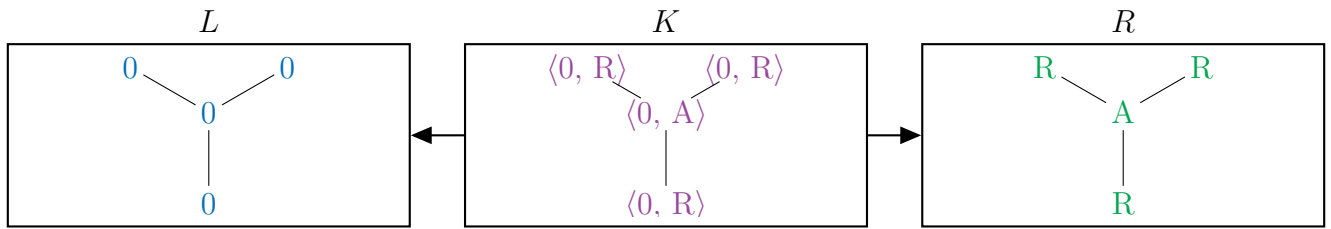
File: out/001_g_1_11310100

0.2 Loaded Rules

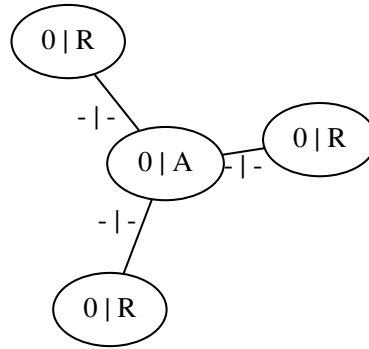
0.2.1 Mark for conversion



Files: out/003_r_0_10300000_{L, K, R}



Files: out/004_r_0_11300100_{L, K, R}



File: out/005_r_0_combined

$$|\{e \in \text{outEdges}(0)\}| = 3$$

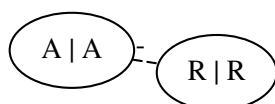
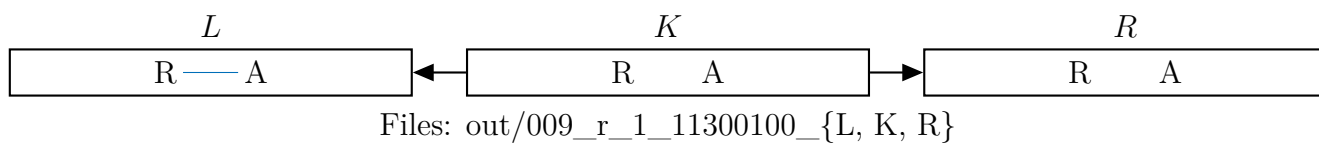
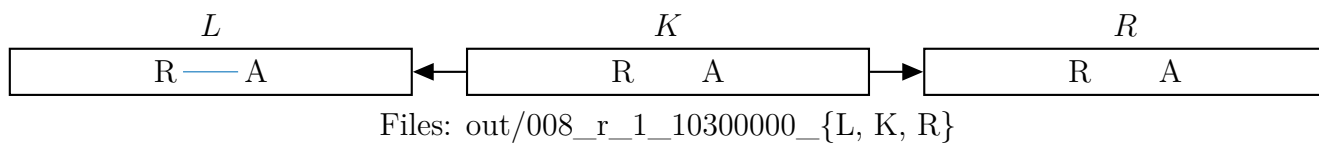
$$|\{e \in \text{outEdges}(0) \mid \text{label}(\text{target}(e)) \in \{ '0' \} \}| = 3$$

$$|\{e \in \text{outEdges}(1) \mid \text{label}(\text{target}(e)) \in \{ 'R', 'A' \} \}| = 0$$

$$|\{e \in \text{outEdges}(2) \mid \text{label}(\text{target}(e)) \in \{ 'R', 'A' \} \}| = 0$$

$$|\{e \in \text{outEdges}(3) \mid \text{label}(\text{target}(e)) \in \{ 'R', 'A' \} \}| = 0$$

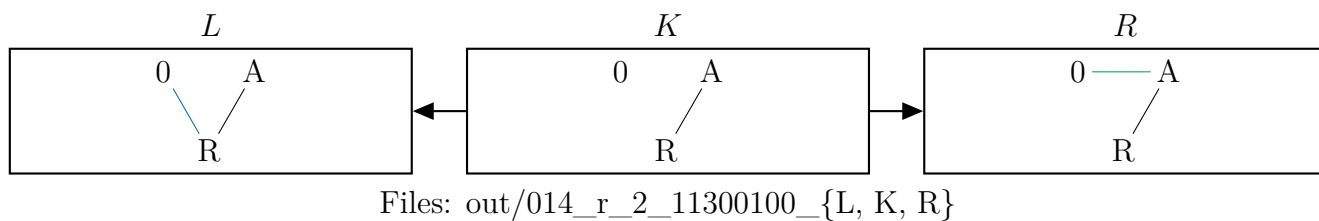
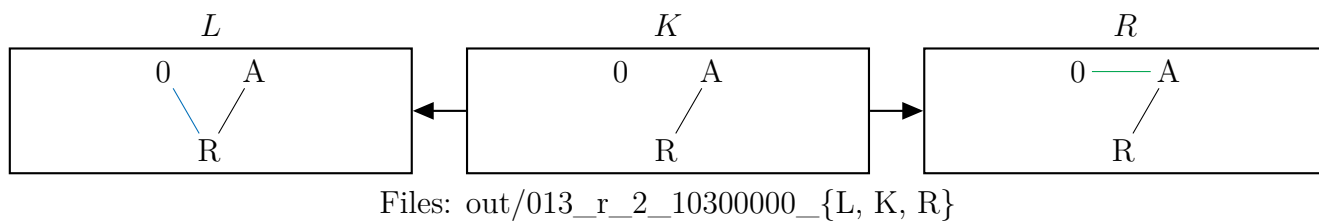
0.2.2 RemoveSingleR

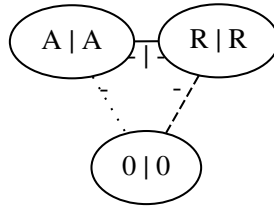


File: out/010_r_1_combined

$$|\{e \in \text{outEdges}(1) \mid \text{label}(\text{target}(e)) \in \{\text{'0'}, \text{'R'}\}\}| = 0$$

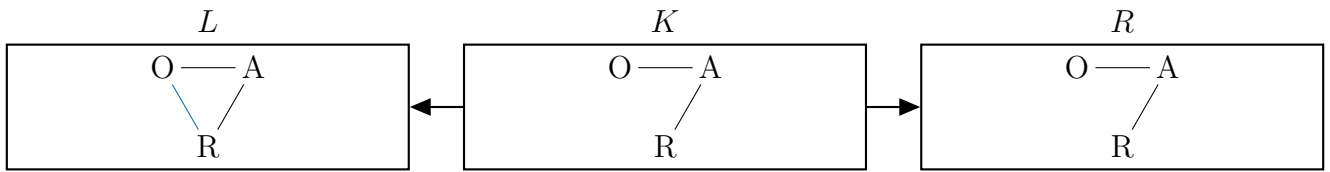
0.2.3 reattachExternalEdge



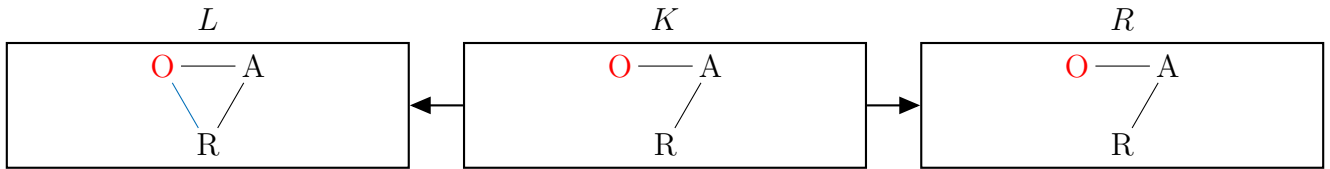


File: out/015_r_2_combined

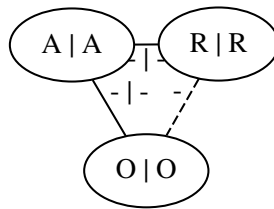
0.2.4 removeAlreadyAttached



Files: out/018_r_3_10300000_{L, K, R}

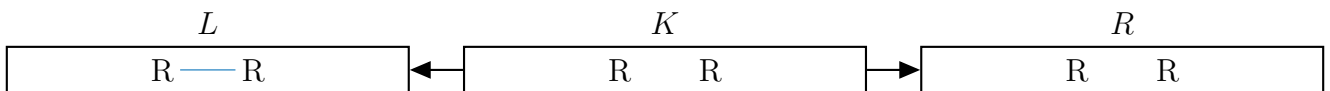


Files: out/019_r_3_11300100_{L, K, R}

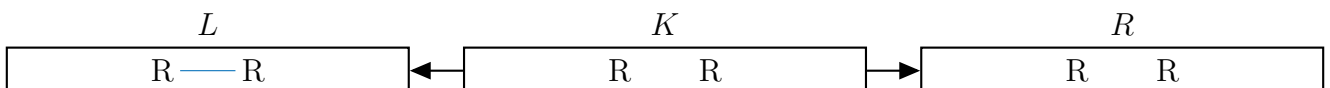


File: out/020_r_3_combined

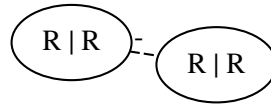
0.2.5 removeInterREdge



Files: out/023_r_4_10300000_{L, K, R}



Files: out/024_r_4_11300100_{L, K, R}

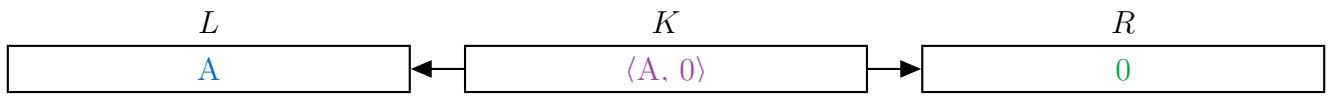


File: out/025_r_4_combined

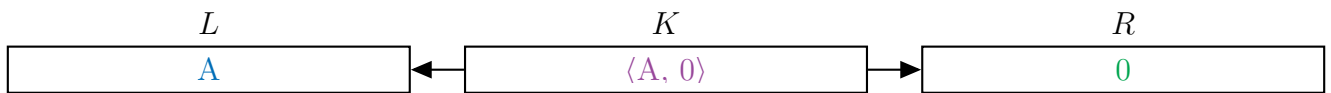
$$|\{e \in \text{outEdges}(0) \mid \text{label}(\text{target}(e)) \in \{\text{'A'}, \text{'0'}\}\}| = 0$$

$$|\{e \in \text{outEdges}(1) \mid \text{label}(\text{target}(e)) \in \{\text{'A'}, \text{'0'}\}\}| = 0$$

0.2.6 unmarkCollapsedNode



Files: out/028_r_5_10300000_{L, K, R}



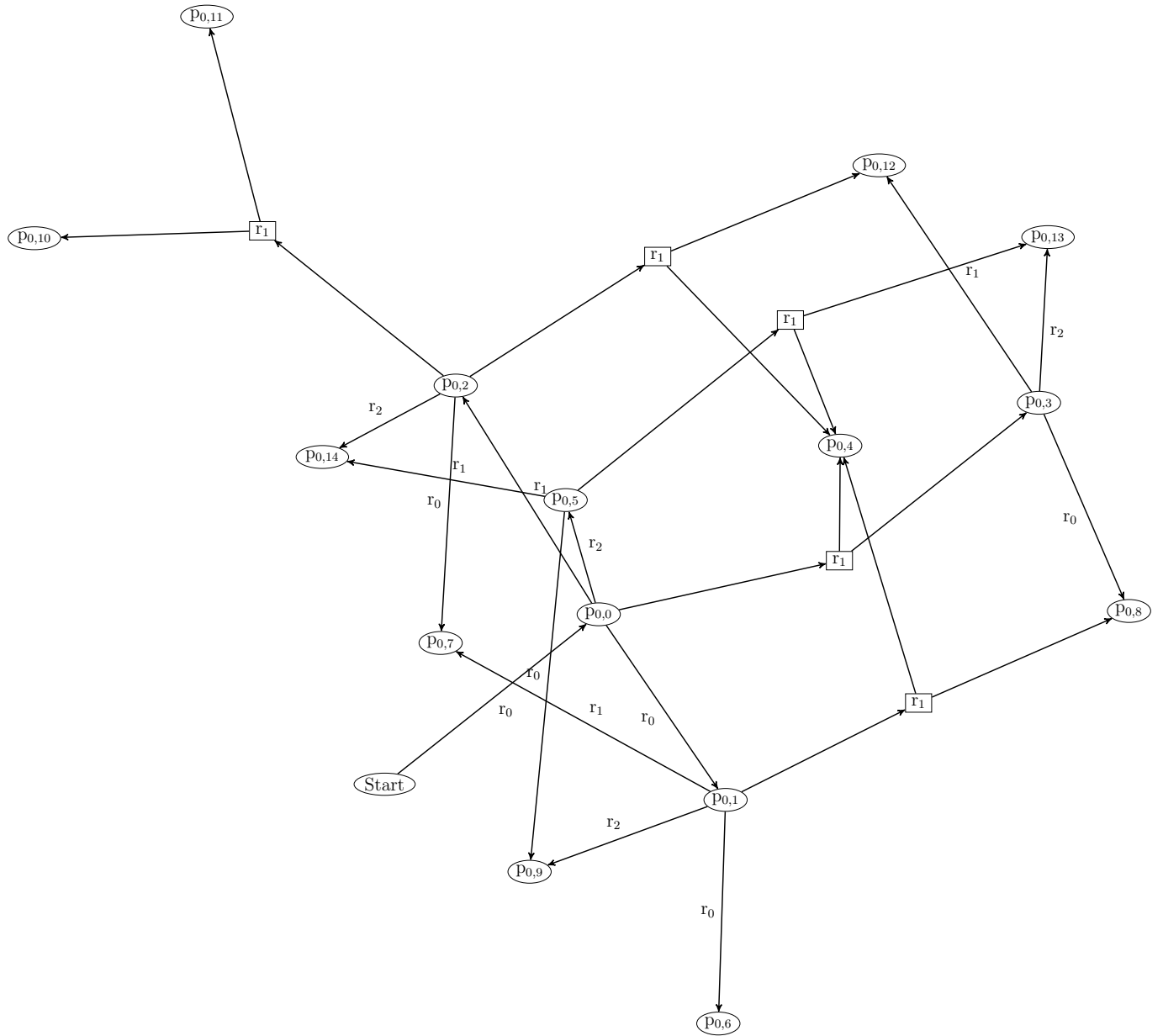
Files: out/029_r_5_11300100_{L, K, R}



File: out/030_r_5_combined

$$|\{e \in \text{outEdges}(0) \mid \text{label}(\text{target}(e)) \in \{\text{'R'}\}\}| = 0$$

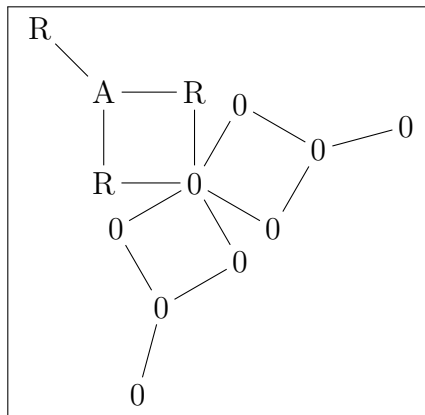
0.2.7 DG Hyper, dg_0



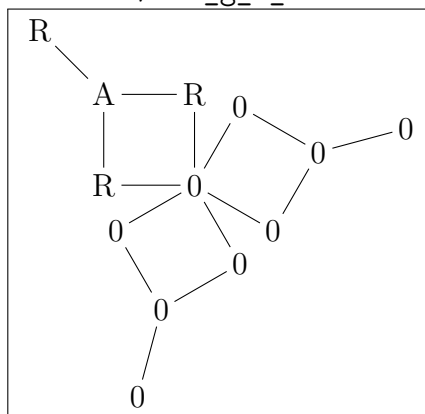
File: out/033_dg_0_10100

0.3 Product Graphs

0.3.1 $p_{\{0,0\}}$

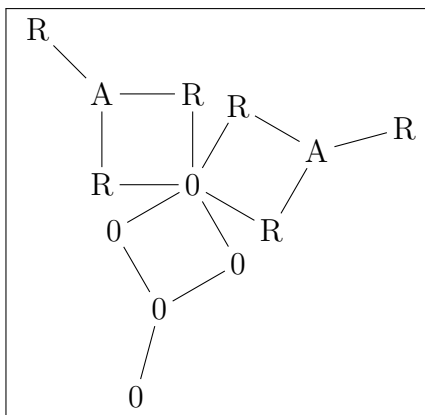


File: out/034_g_2_10300000

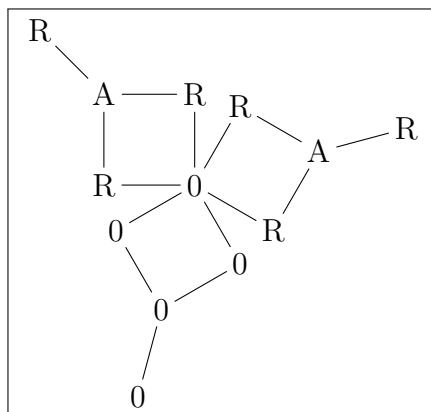


File: out/034_g_2_11310100

0.3.2 $p_{\{0,1\}}$

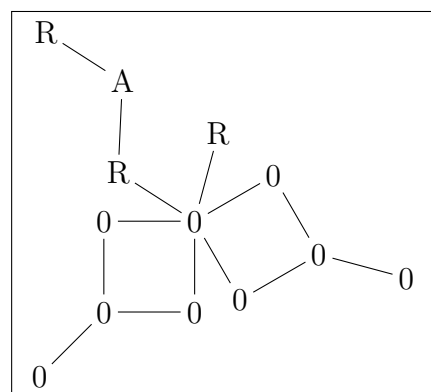


File: out/035_g_20_10300000

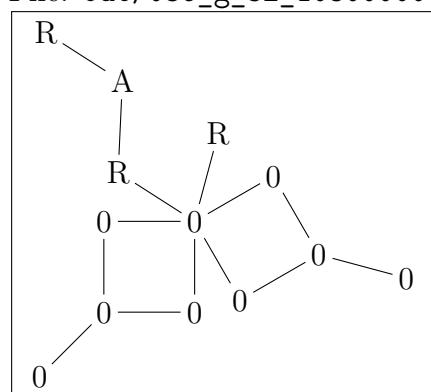


File: out/035_g_20_11310100

0.3.3 $p_{\{0,2\}}$

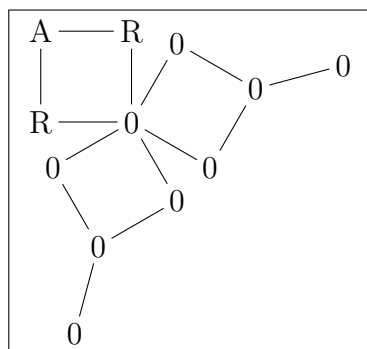


File: out/036_g_32_10300000

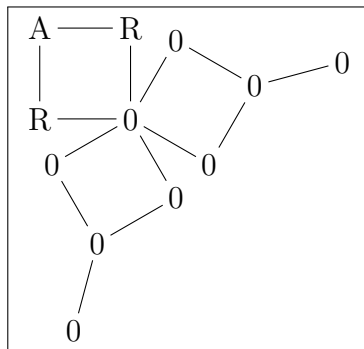


File: out/036_g_32_11310100

0.3.4 $p_{\{0,3\}}$



File: out/037_g_34_10300000



File: out/037_g_34_11310100

0.3.5 $p_{\{0,4\}}$

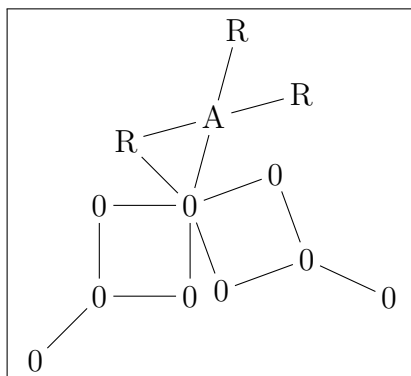
R

File: out/038_g_35_10300000

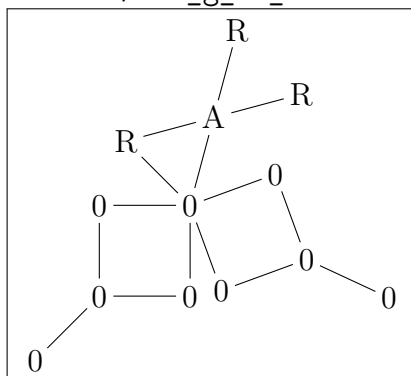
R

File: out/038_g_35_11310100

0.3.6 $p_{\{0,5\}}$

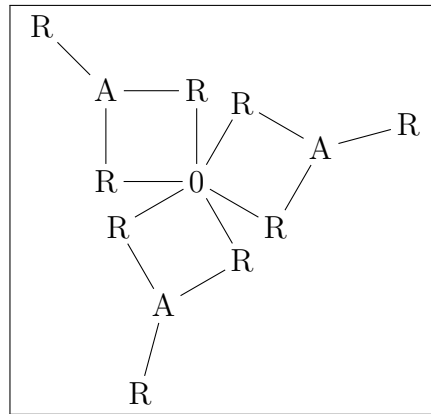


File: out/039_g_36_10300000

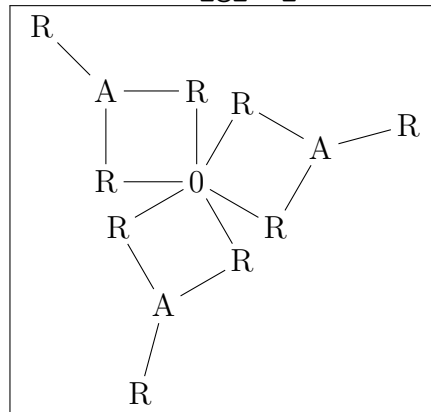


File: out/039_g_36_11310100

0.3.7 $p_{\{0,6\}}$

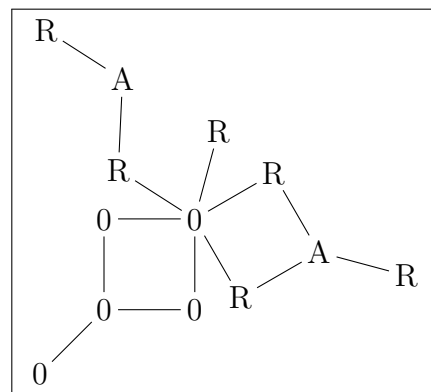


File: out/040_g_38_10300000

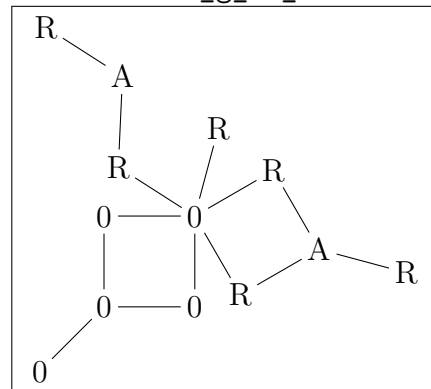


File: out/040_g_38_11310100

0.3.8 $p_{\{0,7\}}$

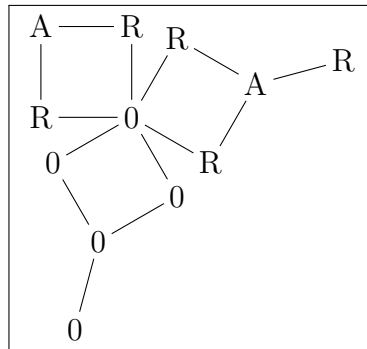


File: out/041_g_44_10300000

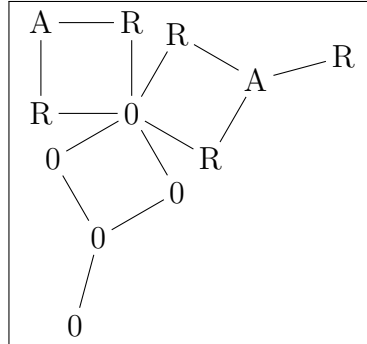


File: out/041_g_44_11310100

0.3.9 $p_{\{0,8\}}$

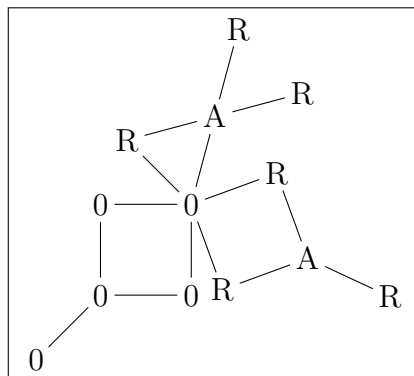


File: out/042_g_56_10300000

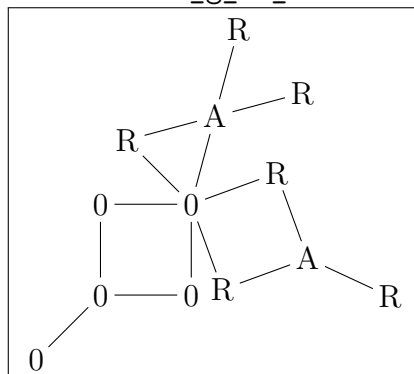


File: out/042_g_56_11310100

0.3.10 $p_{\{0,9\}}$

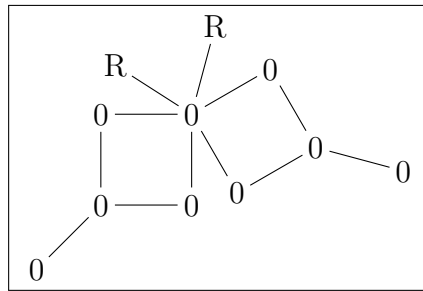


File: out/043_g_68_10300000

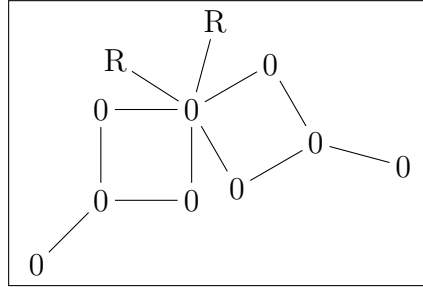


File: out/043_g_68_11310100

0.3.11 $p_{\{0,10\}}$

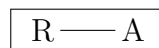


File: out/044_g_88_10300000

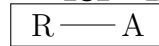


File: out/044_g_88_11310100

0.3.12 $p_{\{0,11\}}$

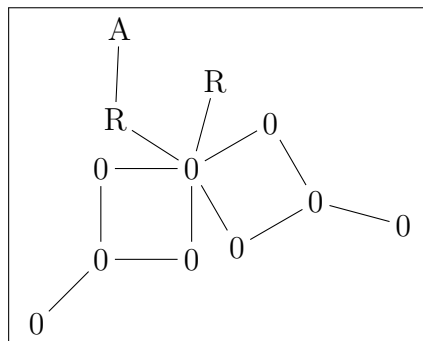


File: out/045_g_89_10300000

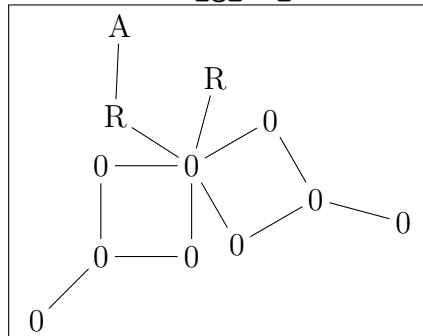


File: out/045_g_89_11310100

0.3.13 $p_{\{0,12\}}$

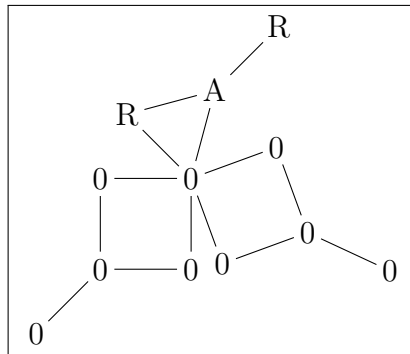


File: out/046_g_90_10300000

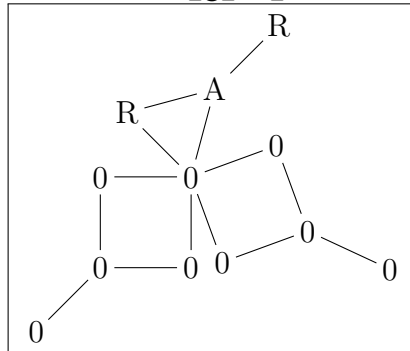


File: out/046_g_90_11310100

0.3.14 $p_{\{0,13\}}$

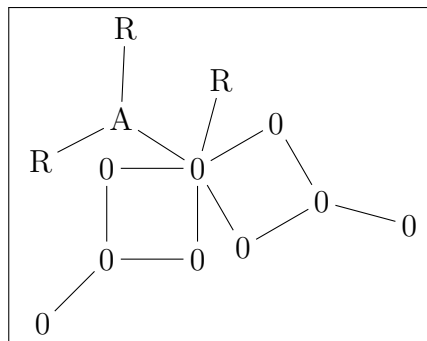


File: out/047_g_94_10300000

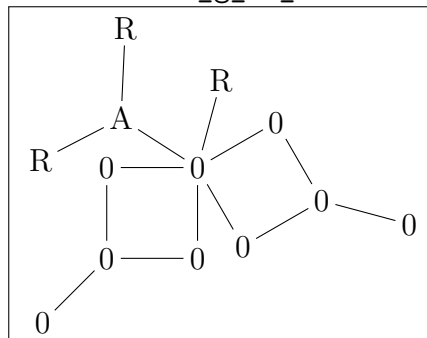


File: out/047_g_94_11310100

0.3.15 $p_{\{0,14\}}$



File: out/048_g_96_10300000



File: out/048_g_96_11310100

0.4 Flow Solutions, id 0