Summary

December 6, 2023

Contents
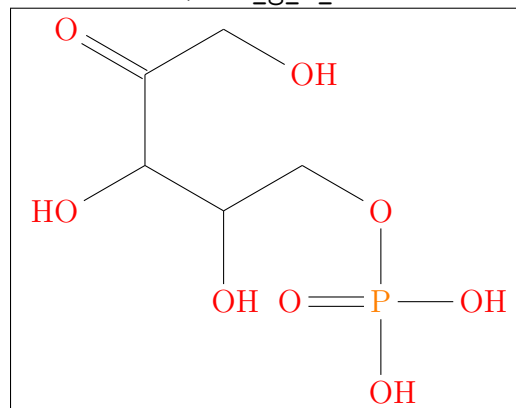
0.1 Loaded Graphs
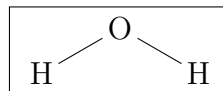
0.1.1 Ribulose-5-Phosphate
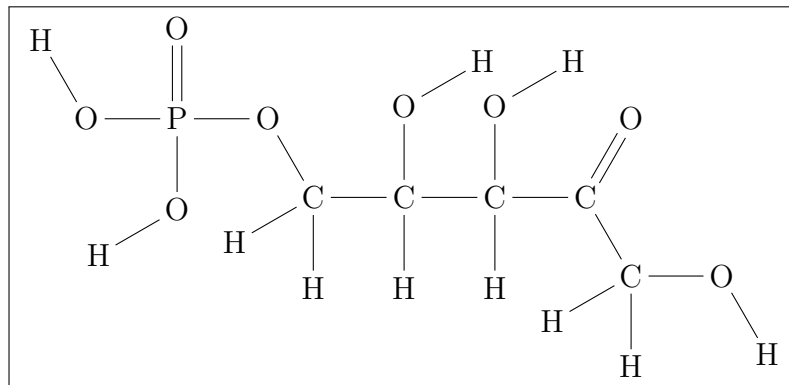
File: `out/002_g_0_10300000`

File: `out/004_g_0_11310100`
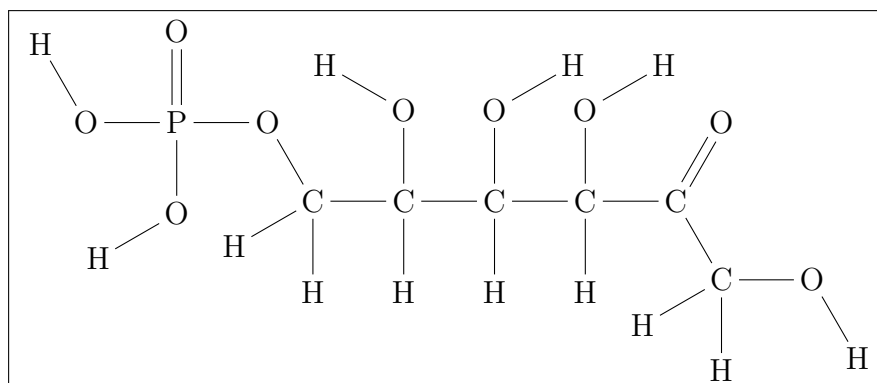
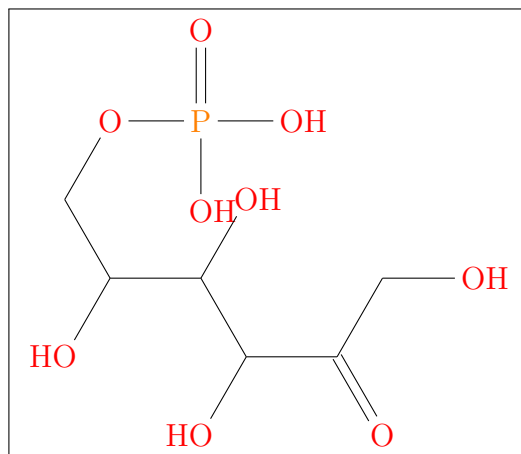### 0.1.2 H2O

File: `out/006_g_1_10300000`

H_2O

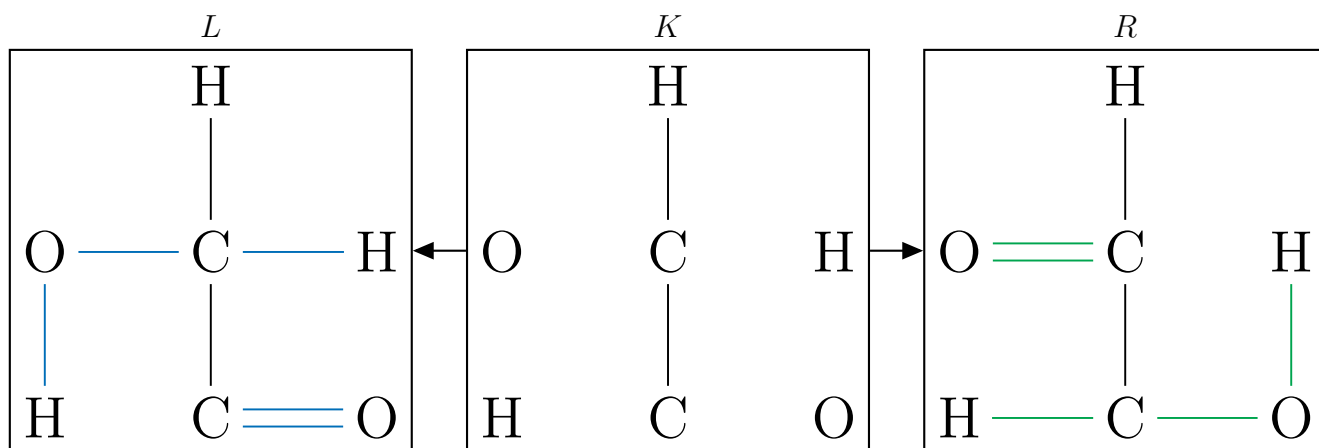File: `out/008_g_1_11310100`

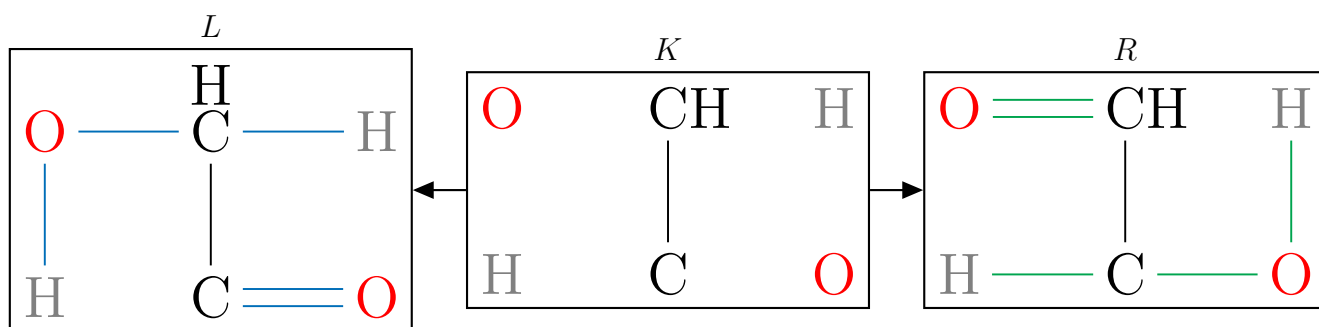### 0.1.3 Fructose-6-Phosphate

File: `out/010_g_2_10300000`

File: `out/012_g_2_11310100`
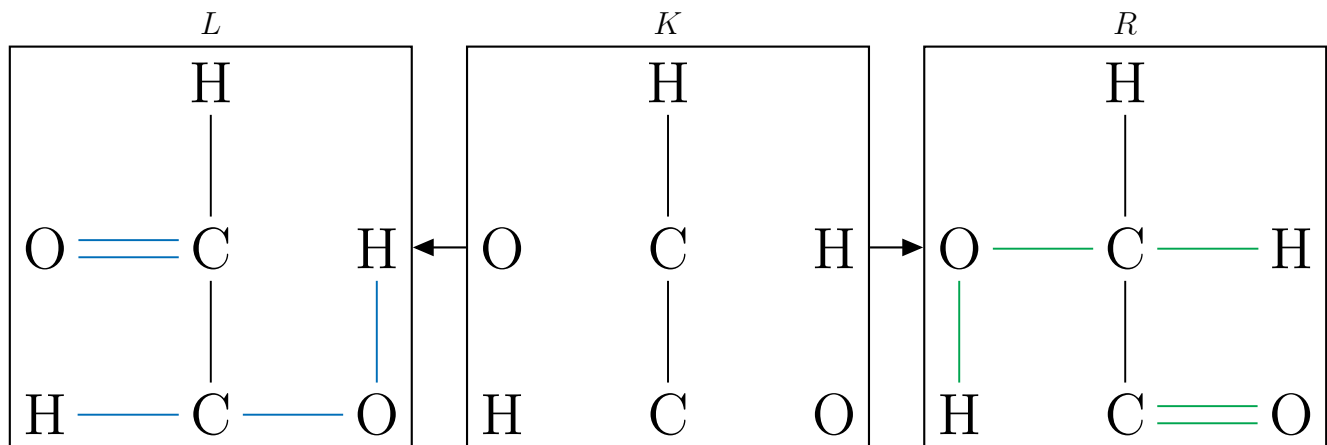
0.2 Loaded Rules

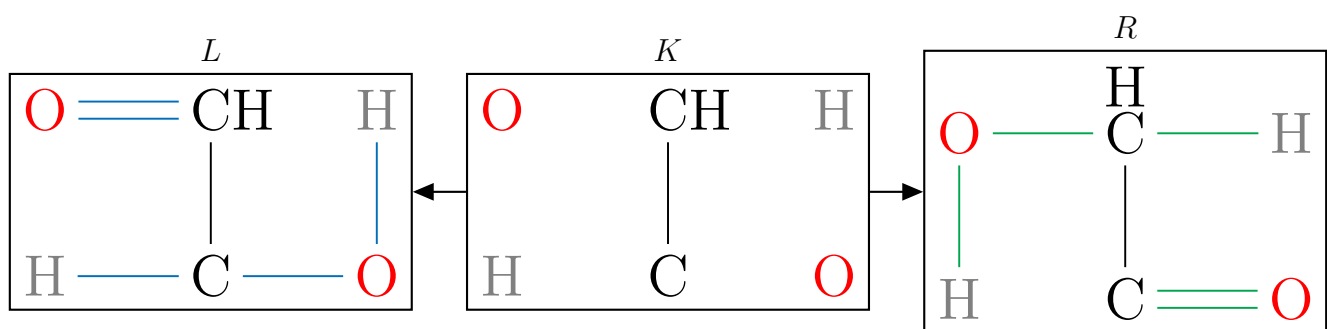### 0.2.1 Aldose-Ketose <-

Files: out/014_r_0_10300000_{L, K, R}

Files: out/016_r_0_11300100_{L, K, R}

$$|\{e \in \text{outEdges}(1) \mid$$
$$\text{label}(\text{target}(e)) \in \{\text{`O'}\}$$
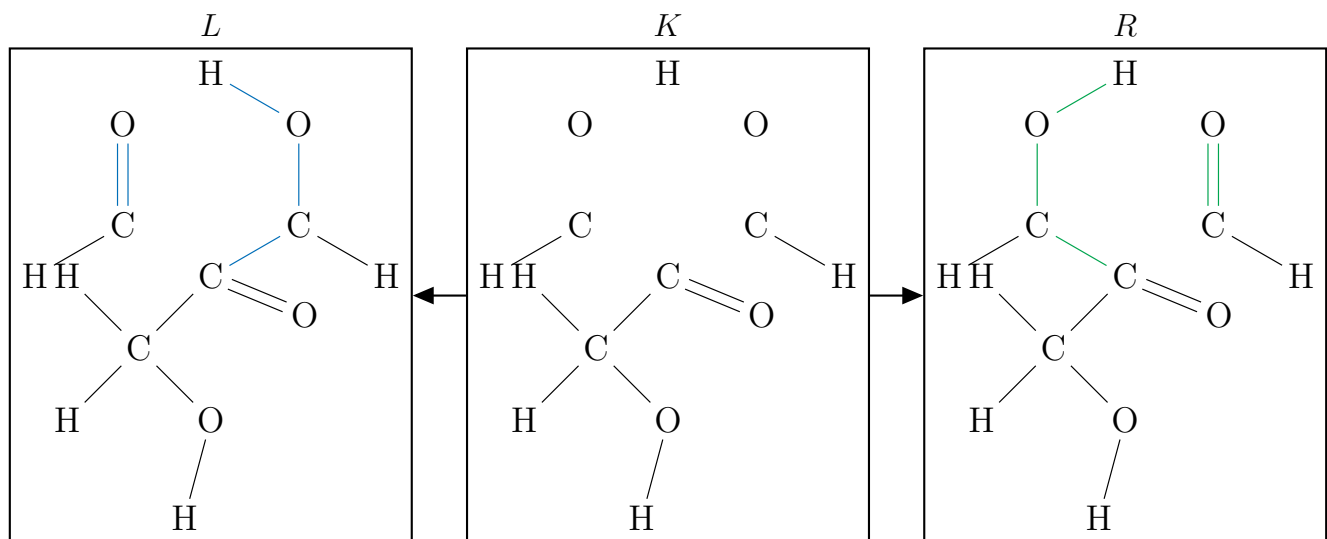$$\}| = 1$$

0.2.2 Aldose-Ketose ->
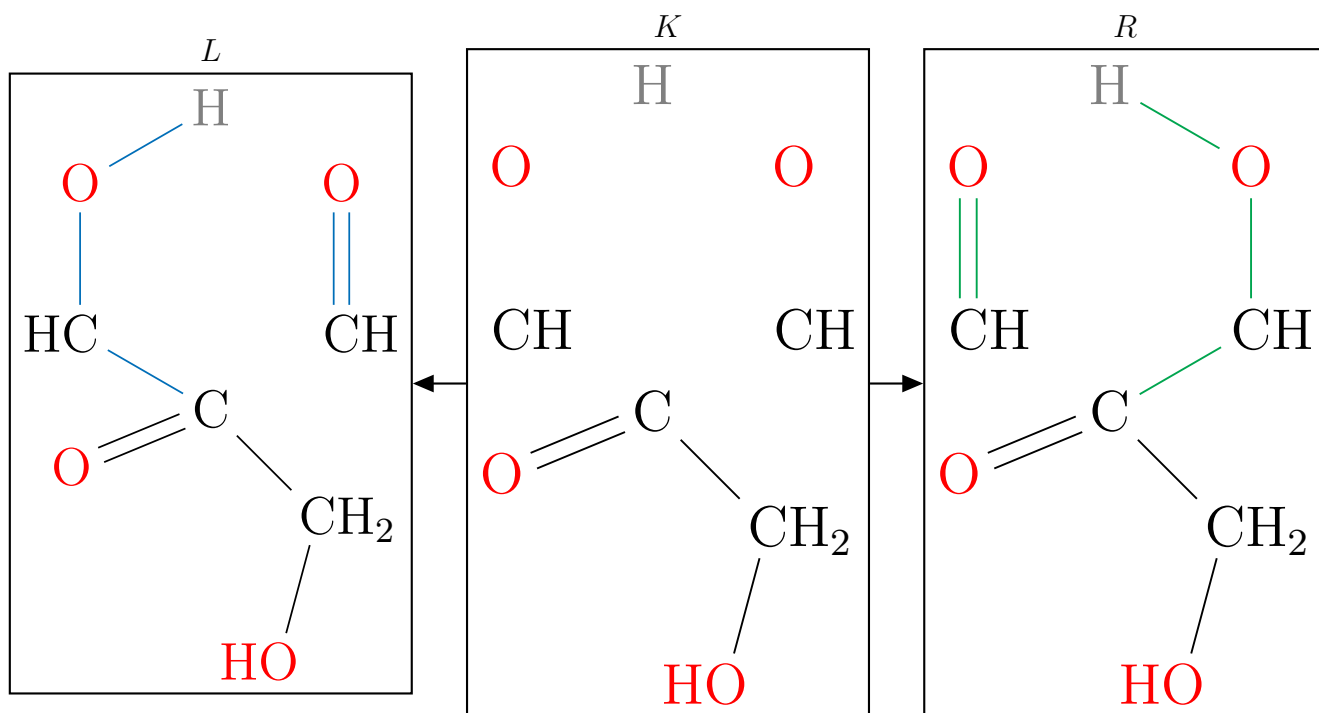

Files: out/019_r_1_10300000_{L, K, R}

Files: out/021_r_1_11300100_{L, K, R}

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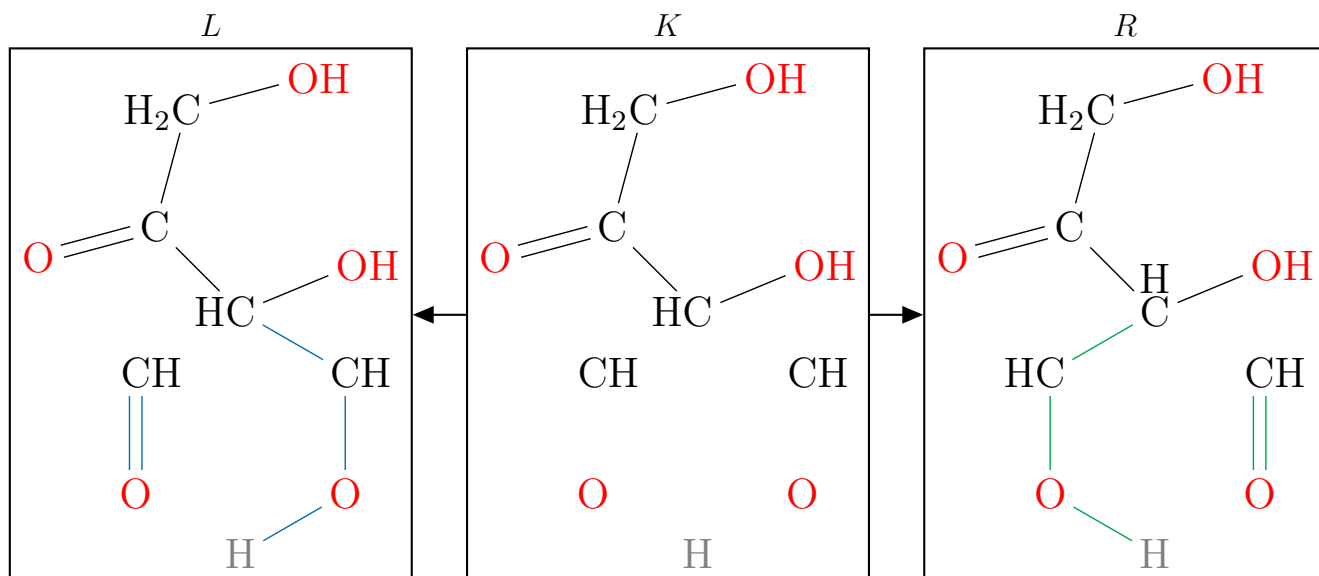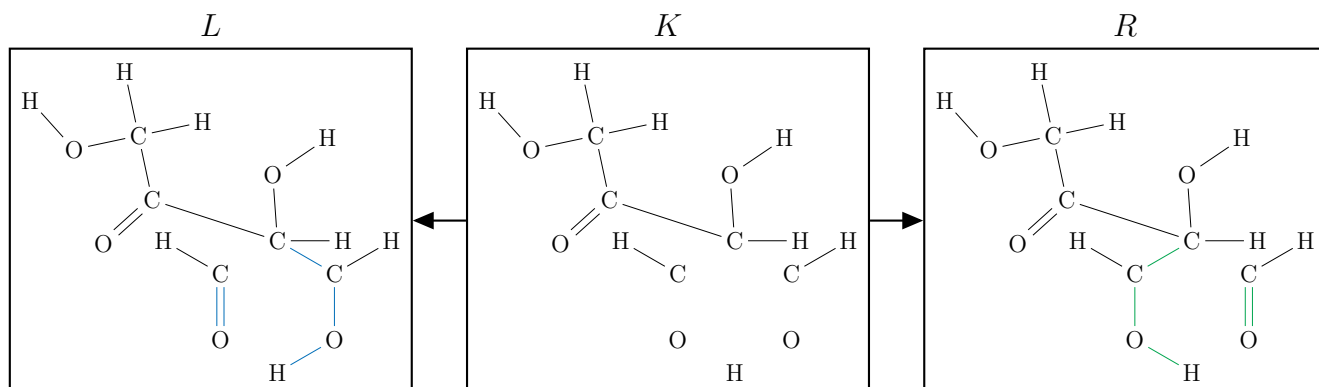$$\text{label}(\text{target}(e)) \in \{\text{'O'}\}$$
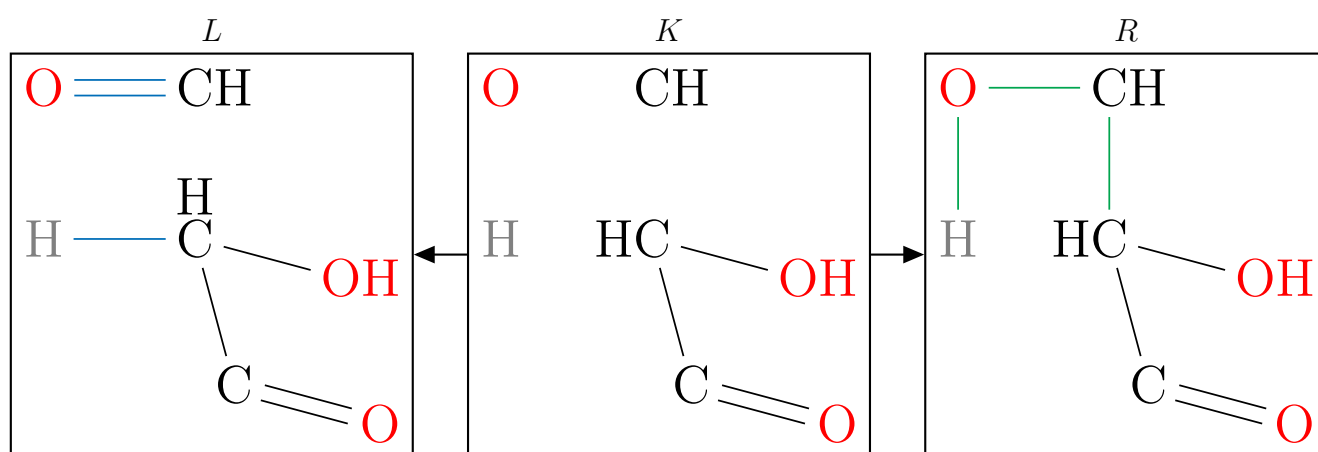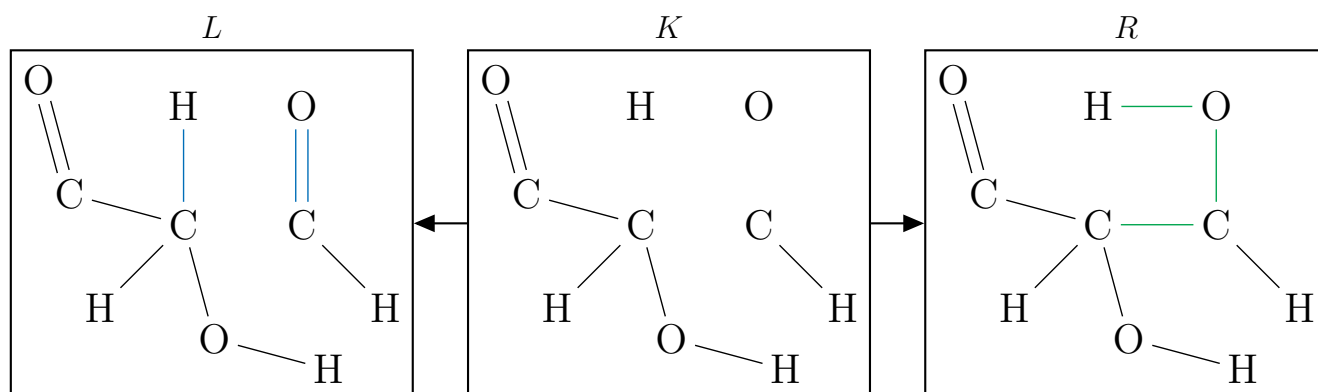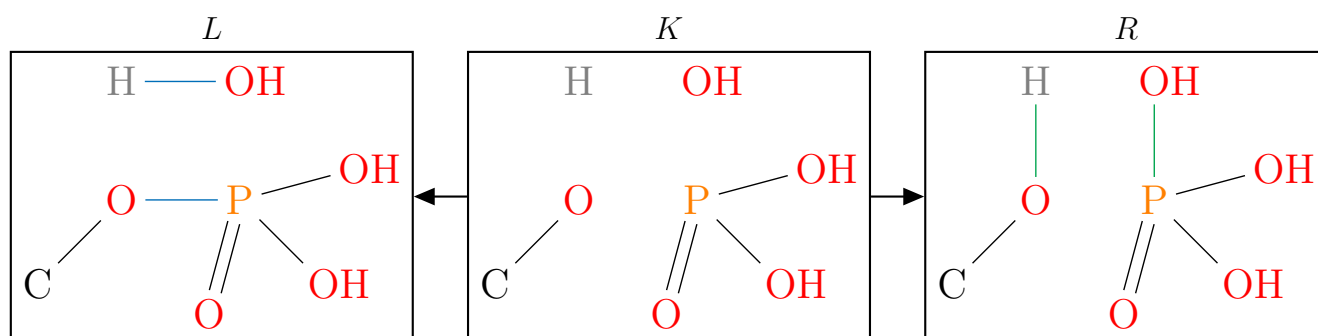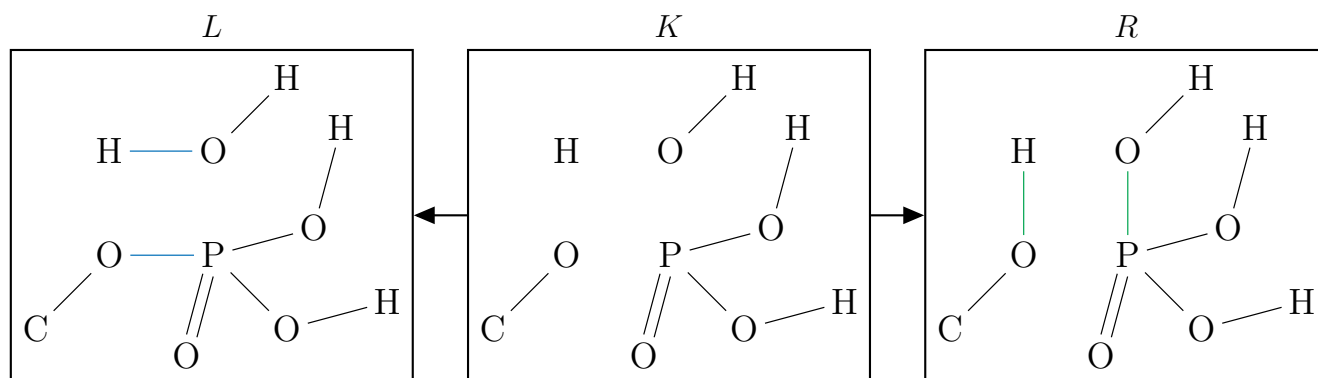$$\}| = 1$$

0.2.3 Transketolase

Files: out/024_r_2_10300000_{L, K, R}

Files: out/026_r_2_11300100_{L, K, R}

0.2.4 Transaldolase

Files: out/029_r_3_10300000_{L, K, R}

Files: out/031_r_3_11300100_{L, K, R}

0.2.5 Aldolase

L

K

R

Files: out/034_r_4_10300000_{L, K, R}

L

K

R

Files: out/036_r_4_11300100_{L, K, R}

0.2.6 Phophohydrolase

L

K

R

Files: out/039_r_5_10300000_{L, K, R}

L

K

R

Files: out/041_r_5_11300100_{L, K, R}

0.2.7 DG Hyper, `dg_0`

File: out/075_dg_0_11100
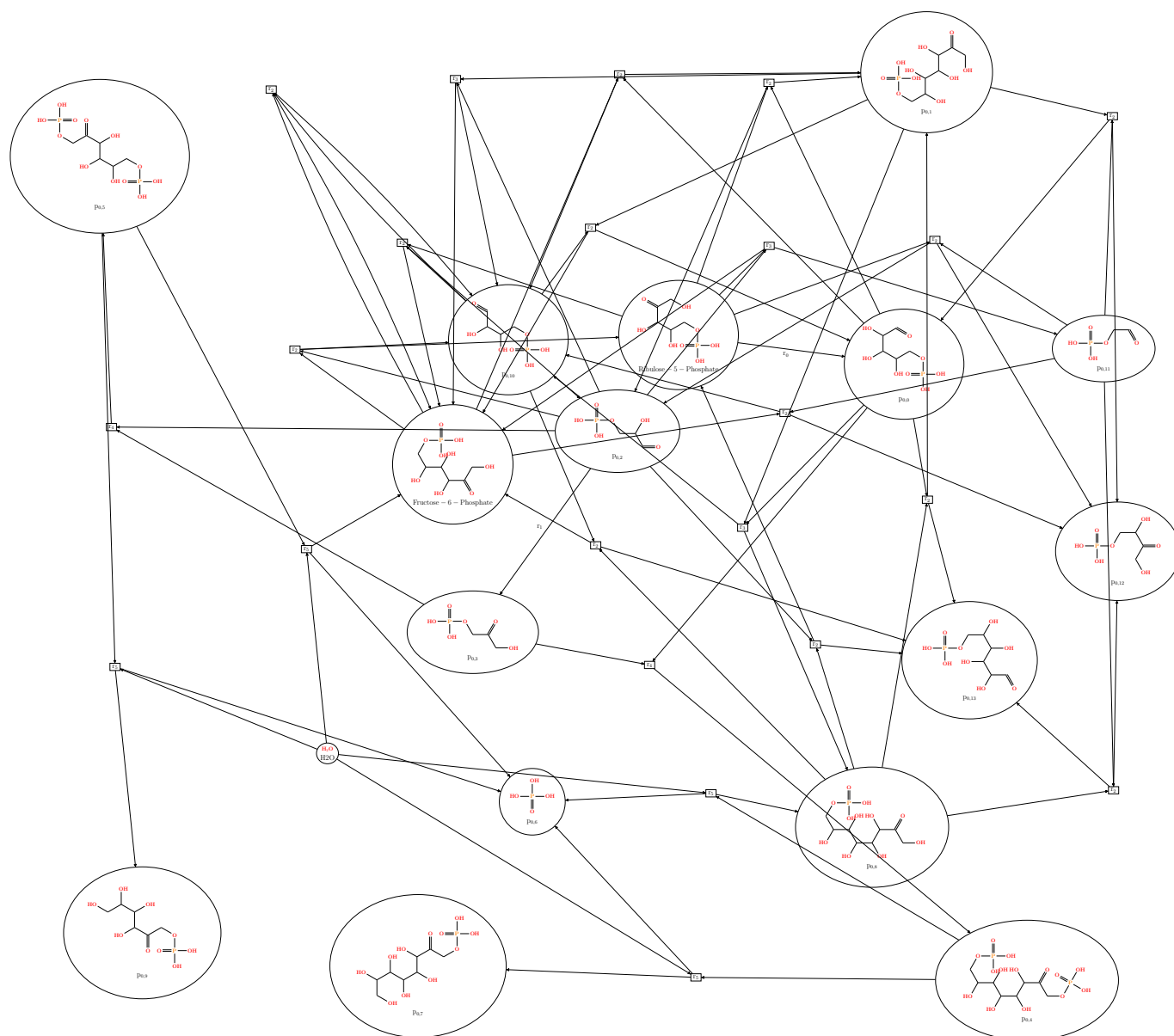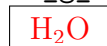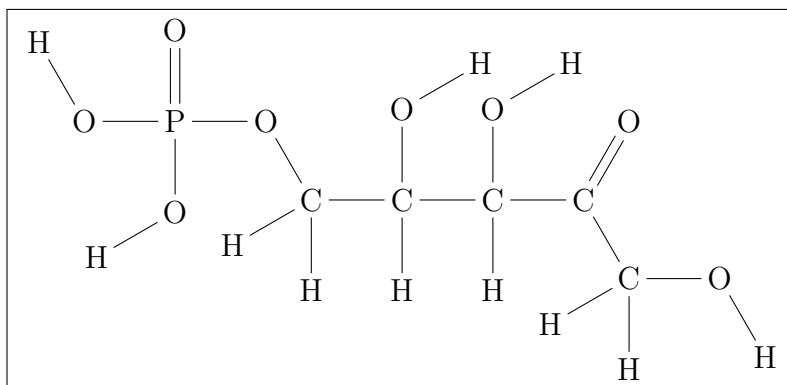
0.3 Product Graphs
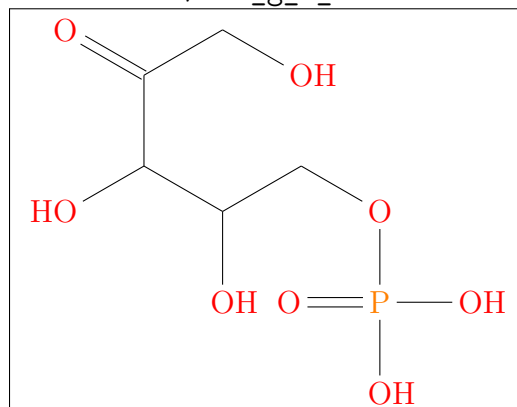
0.3.1 H2O

File: out/006_g_1_10300000

H$_2$O
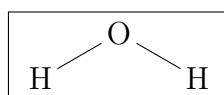
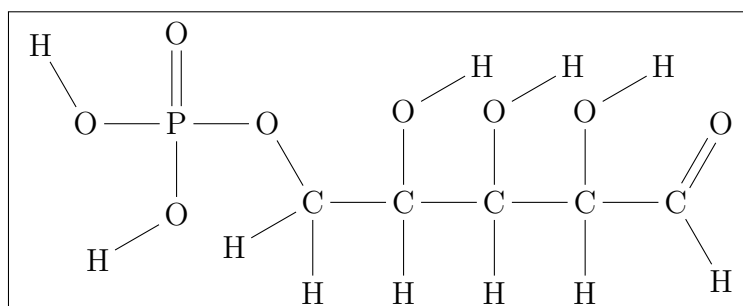File: out/008_g_1_11310100

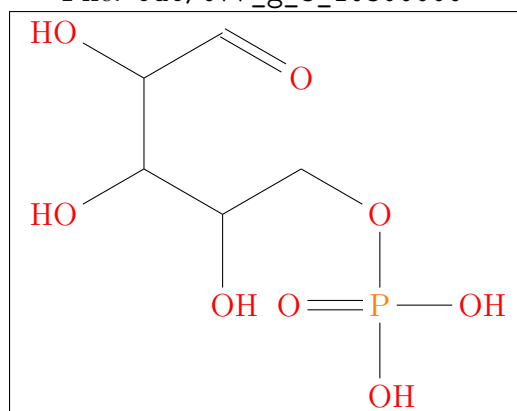### 0.3.2 Ribulose-5-Phosphate

File: out/002_g_0_10300000

File: out/004_g_0_11310100

0.3.3 p_{0,0}

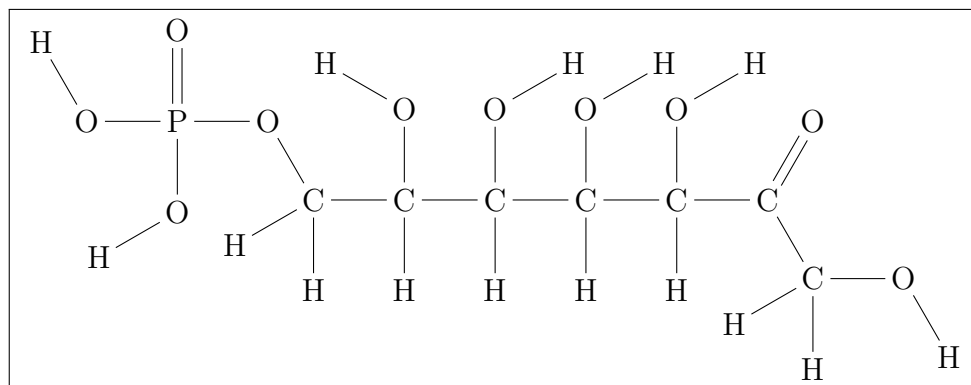

File: out/077_g_3_10300000

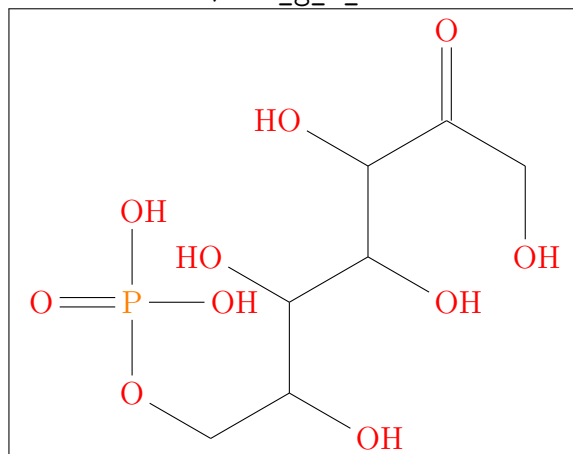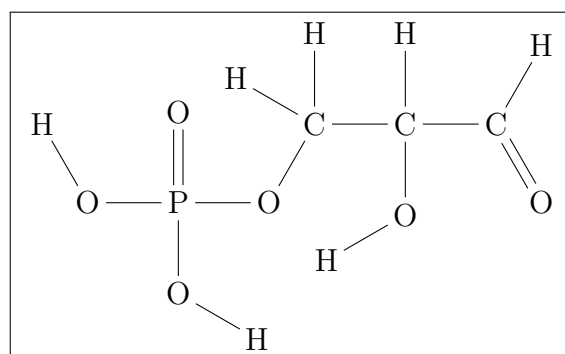

File: out/078_g_3_11310100

0.3.4 p_{0,1}

File: out/080_g_5_10300000

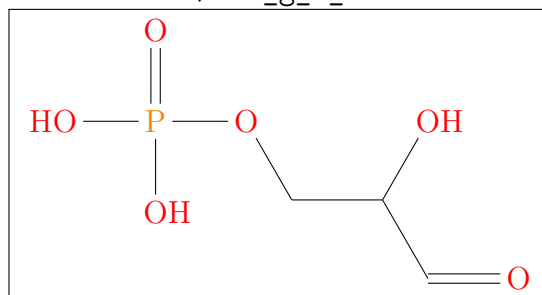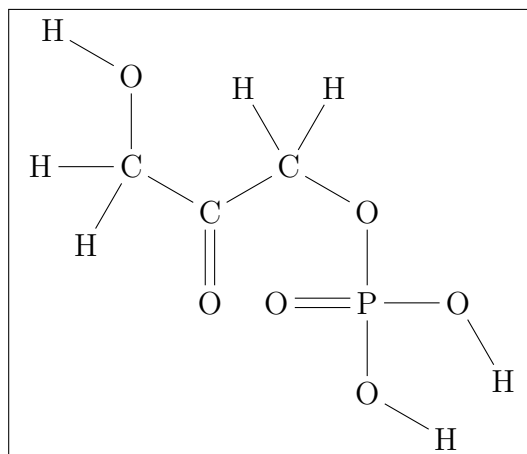
File: out/081_g_5_11310100
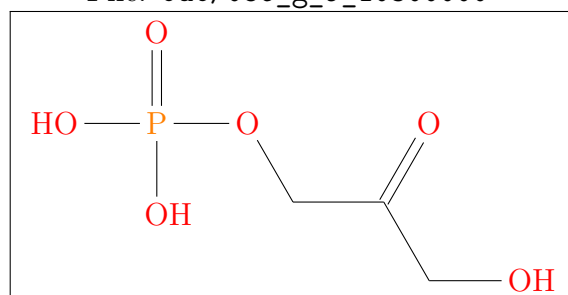
0.3.5 p_{0,2}

File: out/083_g_6_10300000
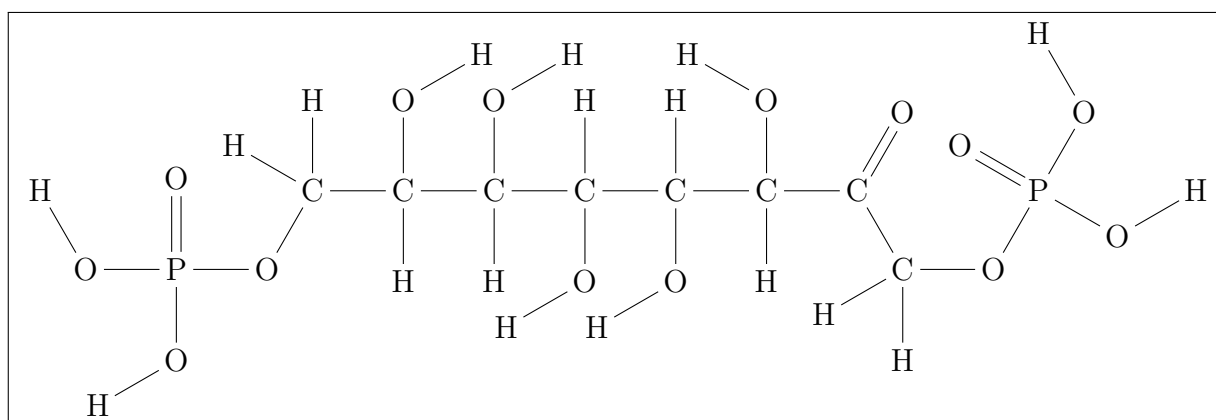

File: out/084_g_6_11310100

0.3.6 p_{0,3}

File: out/086_g_9_10300000

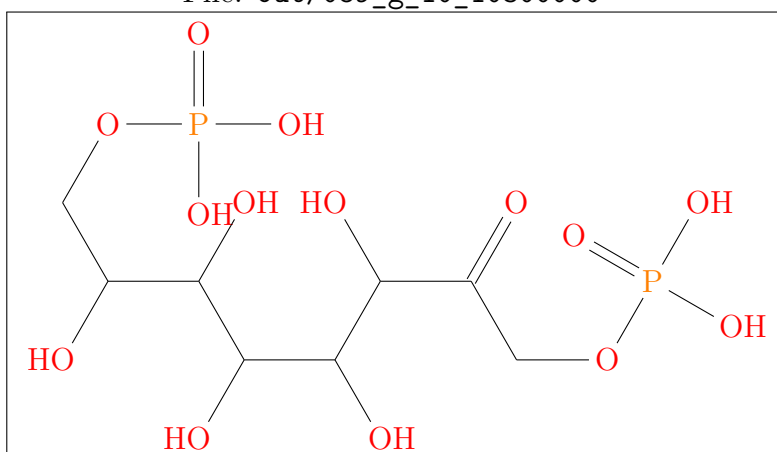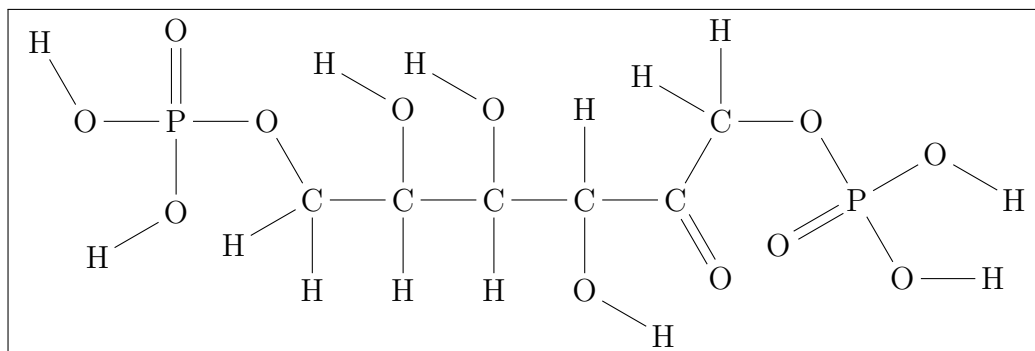
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0.3.7 p_{0,4}

File: out/089_g_10_10300000
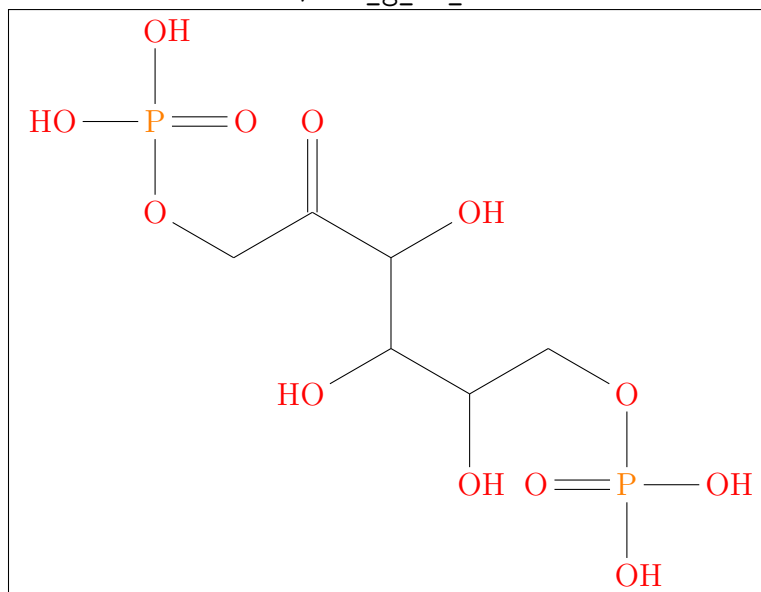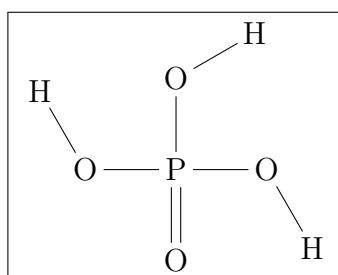

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0.3.8 p_{0,5}

File: out/092_g_11_10300000

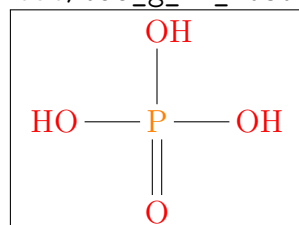

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0.3.9 p_{0,6}

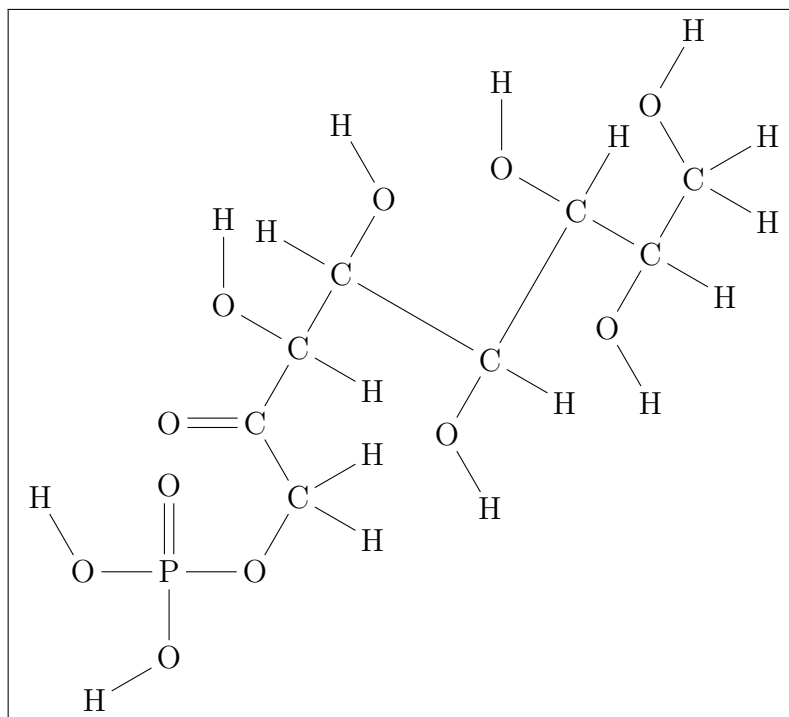File: out/095_g_12_10300000
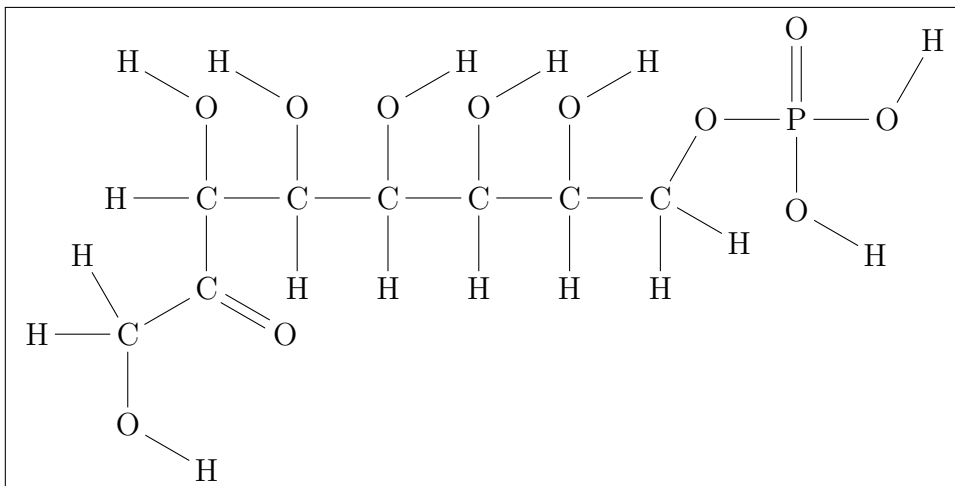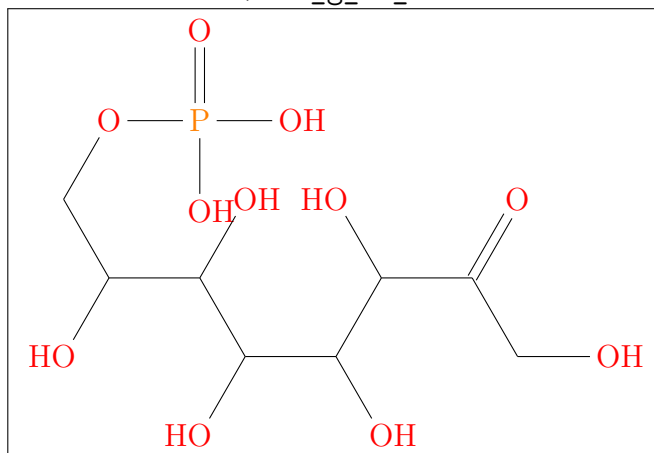

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File: out/098_g_13_10300000
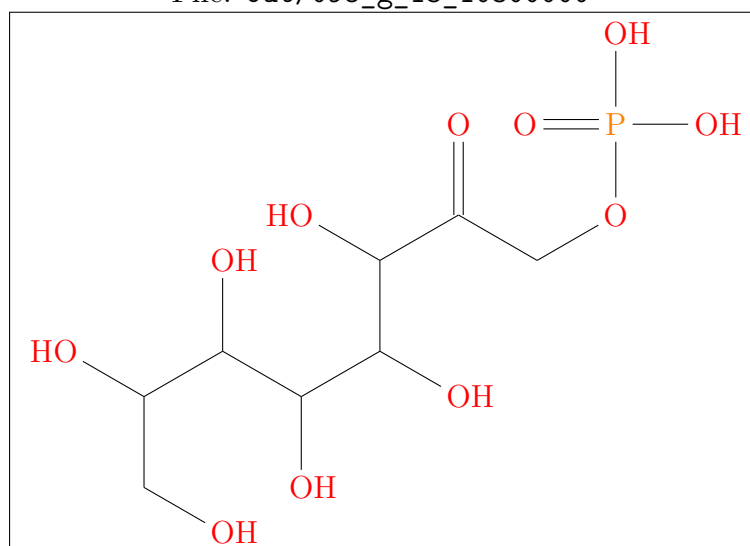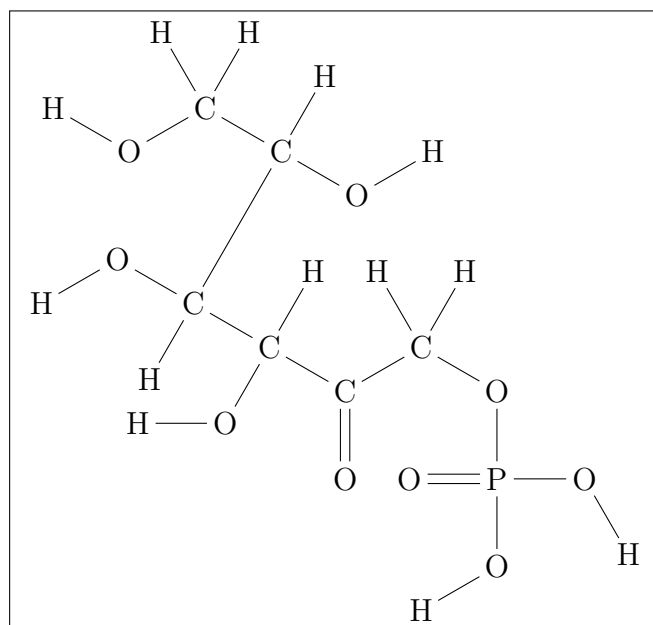

File: out/099_g_13_11310100

0.3.11 p_{0,8}

File: out/101_g_17_10300000
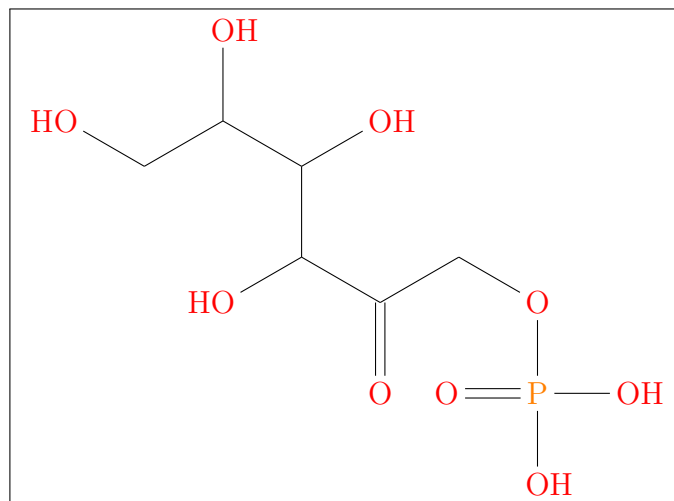

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0.3.12 p_{0,9}
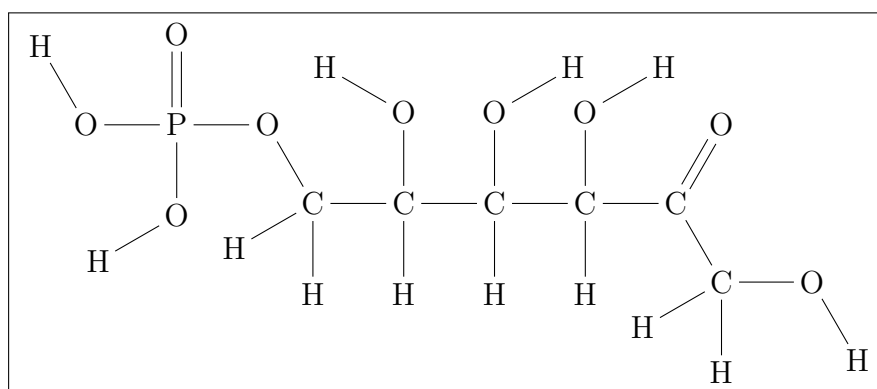

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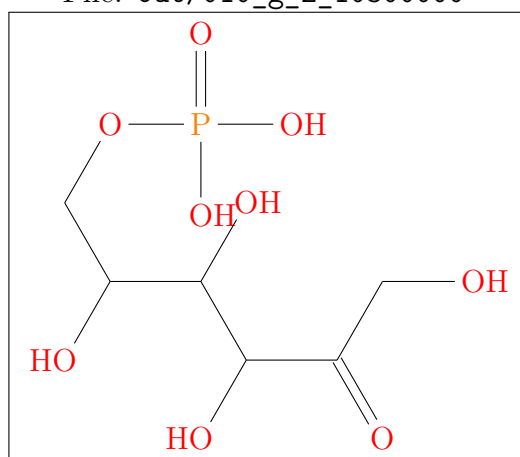
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0.3.13   Fructose-6-Phosphate
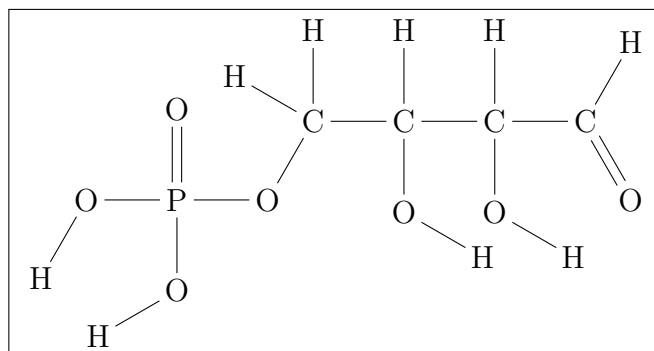

File: out/010_g_2_10300000
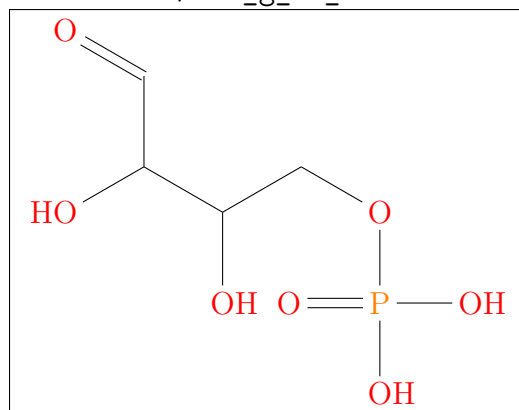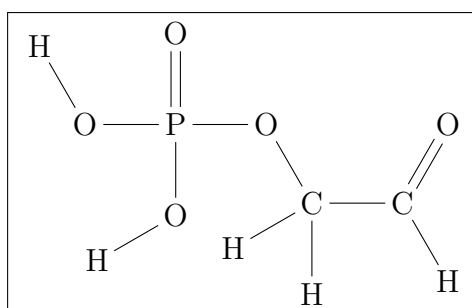

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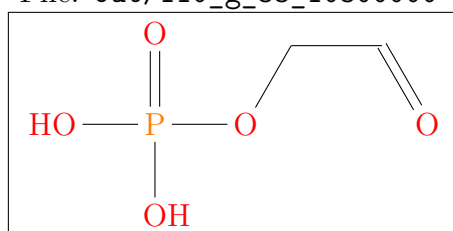
0.3.14 p_{0,10}

File: out/107_g_29_10300000

File: out/108_g_29_11310100

0.3.15 p_{0,11}
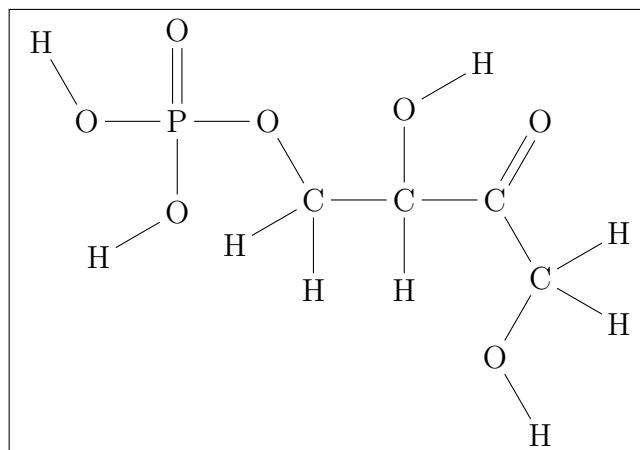

File: out/110_g_33_10300000
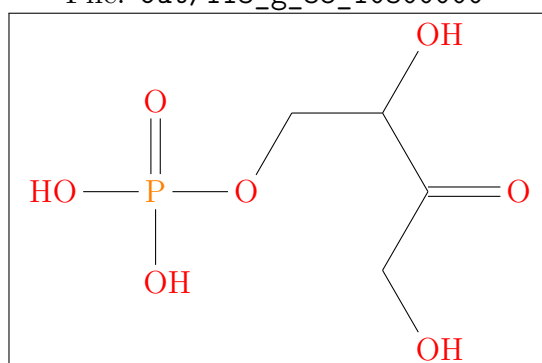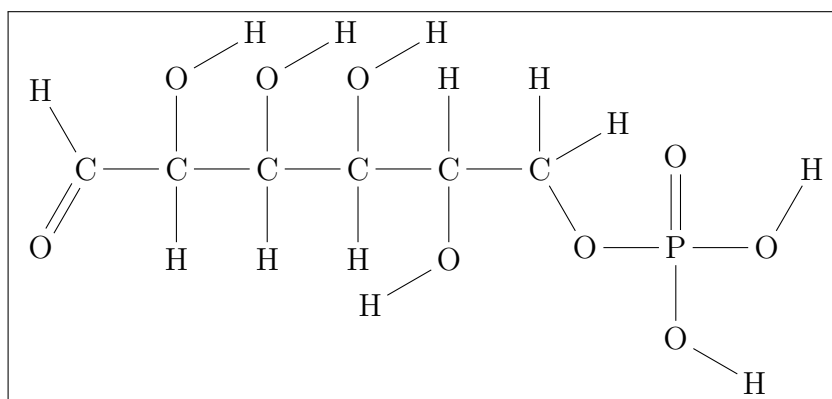

File: out/111_g_33_11310100
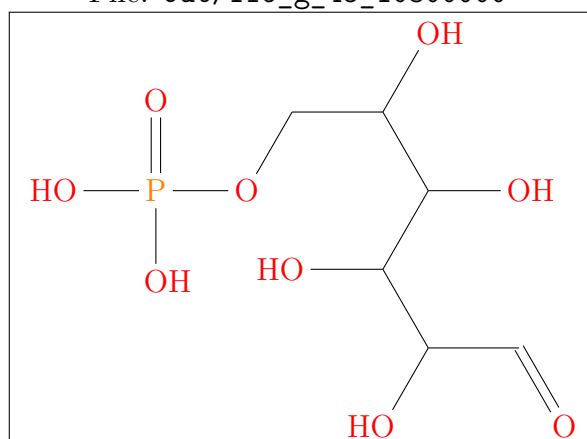
0.3.16 p_{0,12}

File: out/113_g_38_10300000

File: out/114_g_38_11310100

0.3.17 p_{0,13}

File: out/116_g_45_10300000

0.4 Flow Solutions, id 0

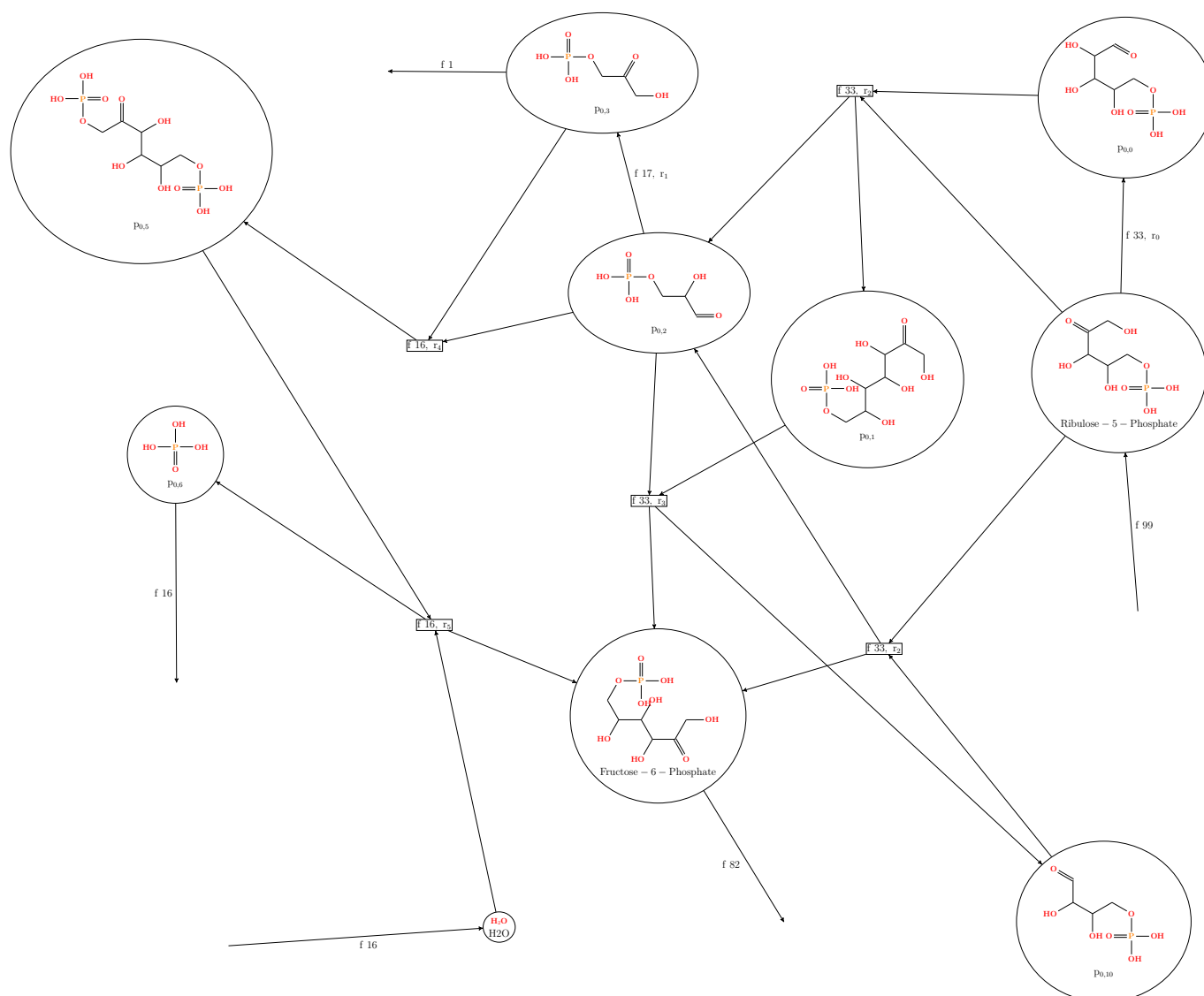### 0.4.1 Solution 0

Overall Data

```
Objective value (integral): -82
Vertex/Graph           In Out
Fructose-6-Phosphate 0  82
H2O                    16 0
Ribulose-5-Phosphate 99 0
p_{0,3}                0  1
p_{0,6}                0  16
```

Filtered Graph

File: `out/120_dg_0_11100_f_0_0_filt`