# Attestor Report

### August 14, 2019

### ${\bf Contents}$

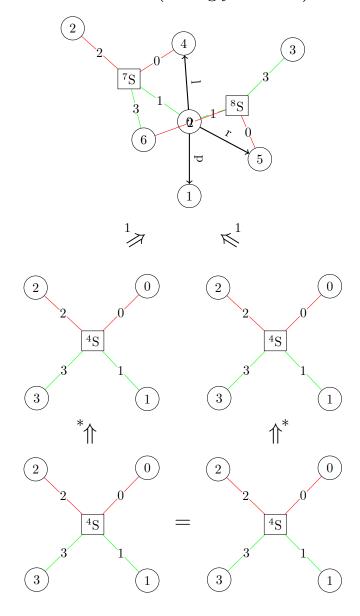
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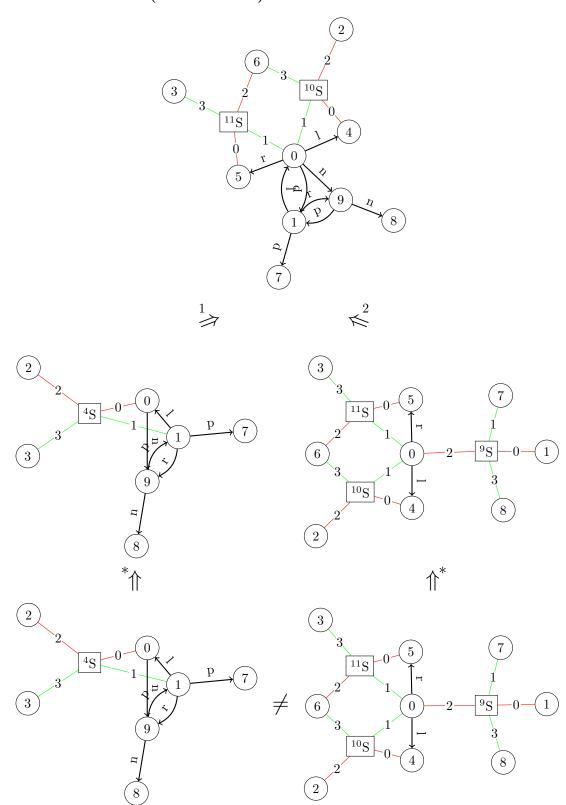
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## 1 Critical Pair Report

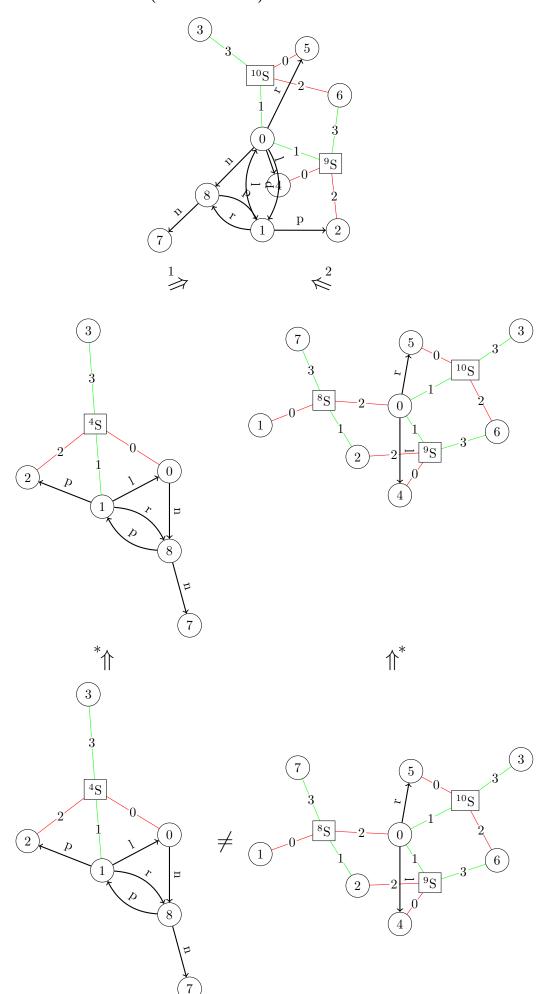
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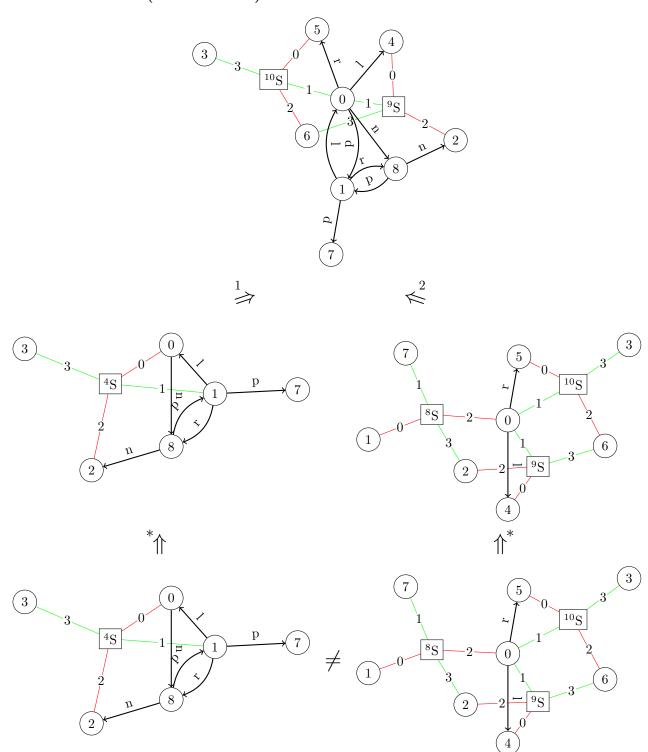
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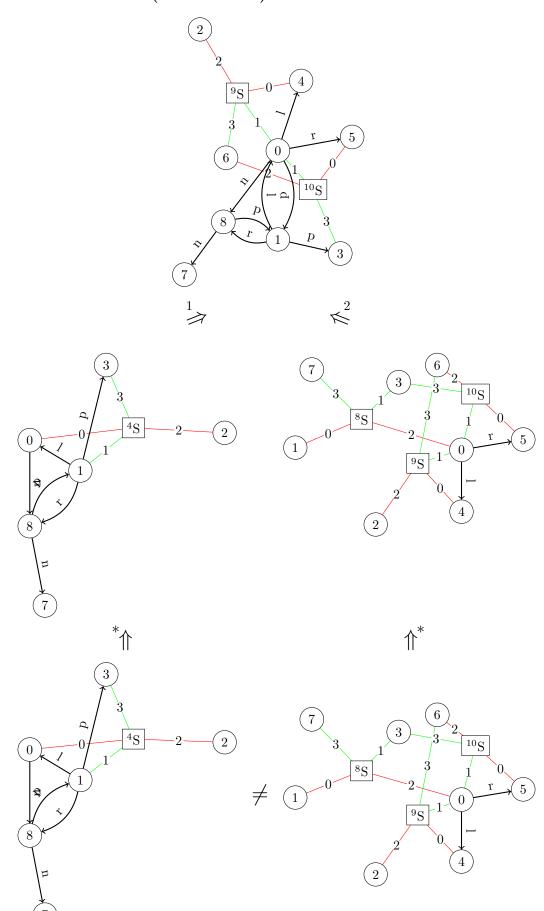
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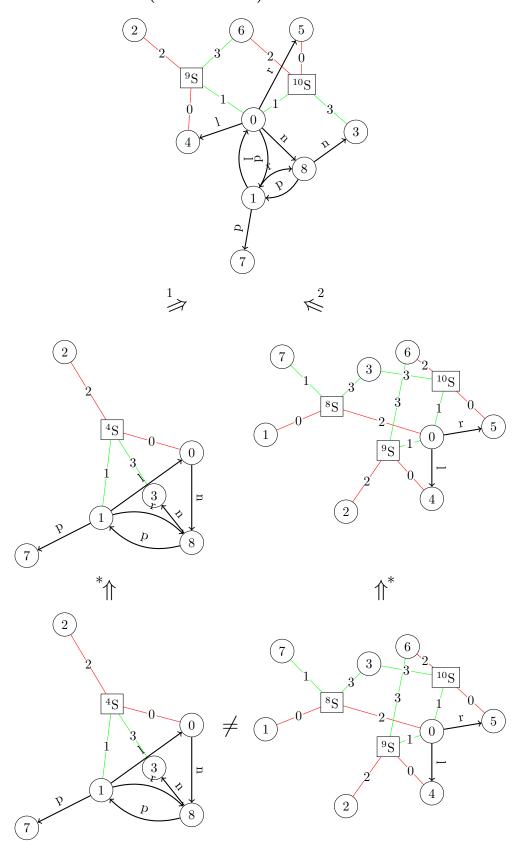
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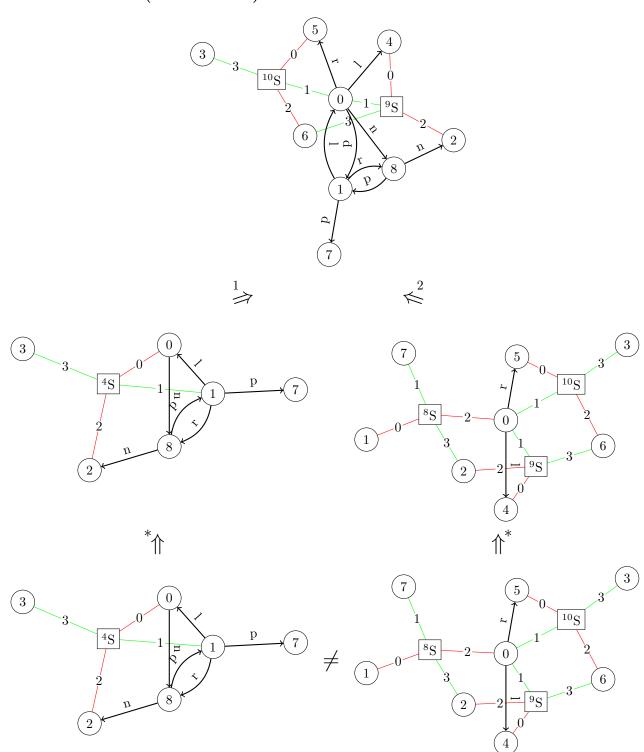
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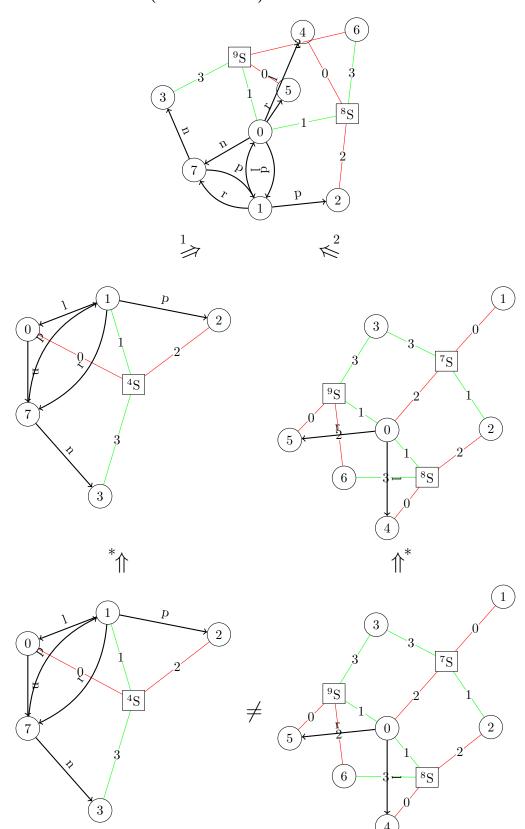
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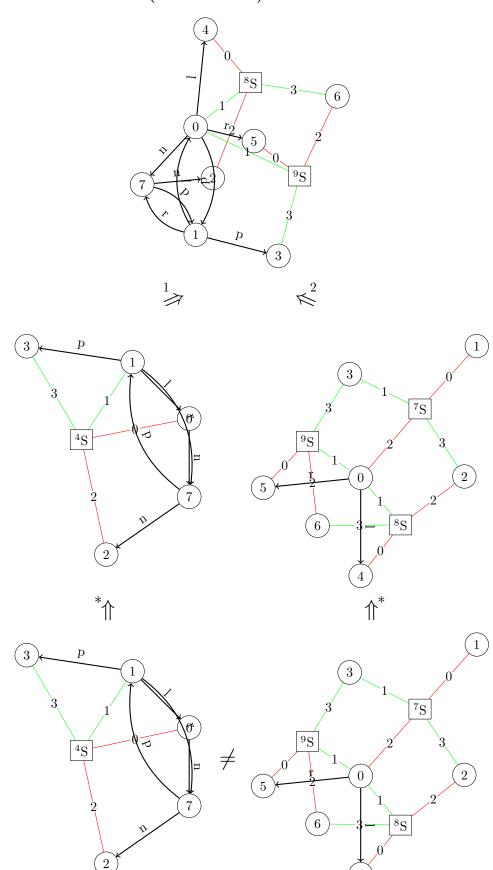
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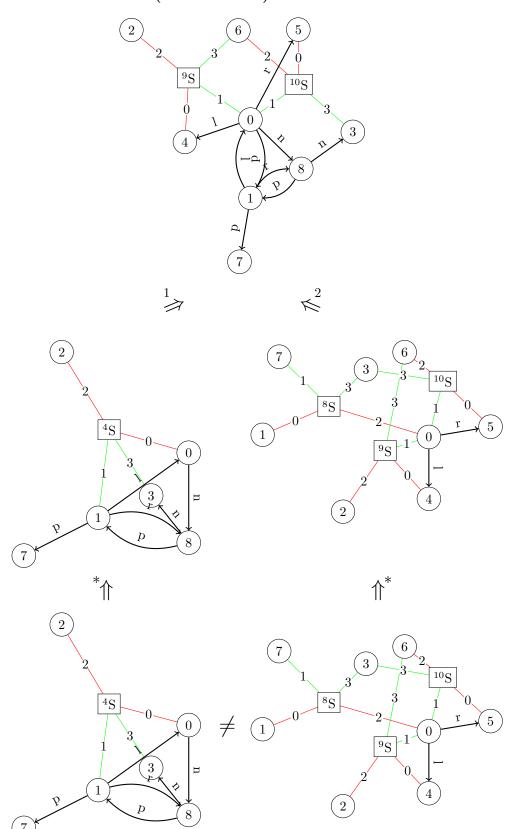
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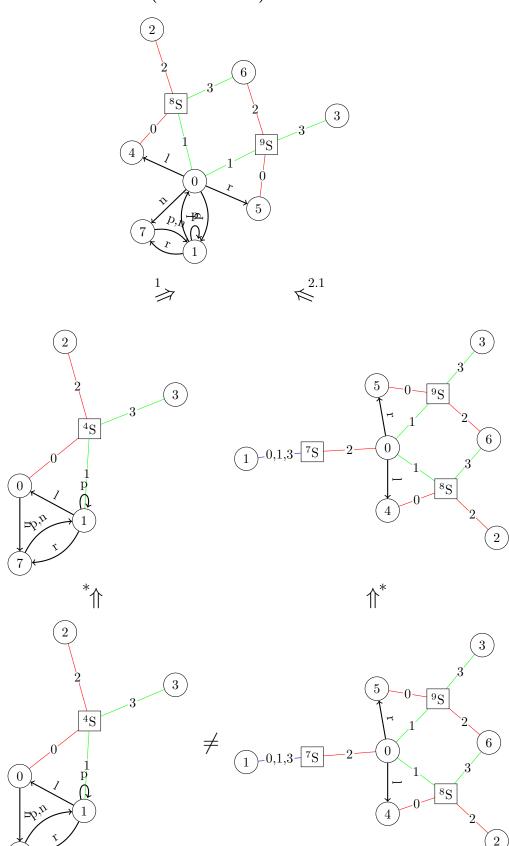
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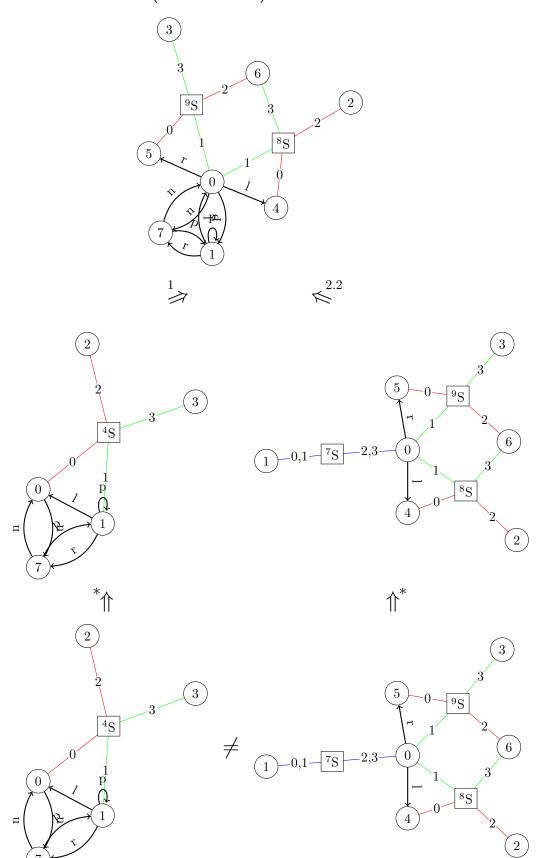
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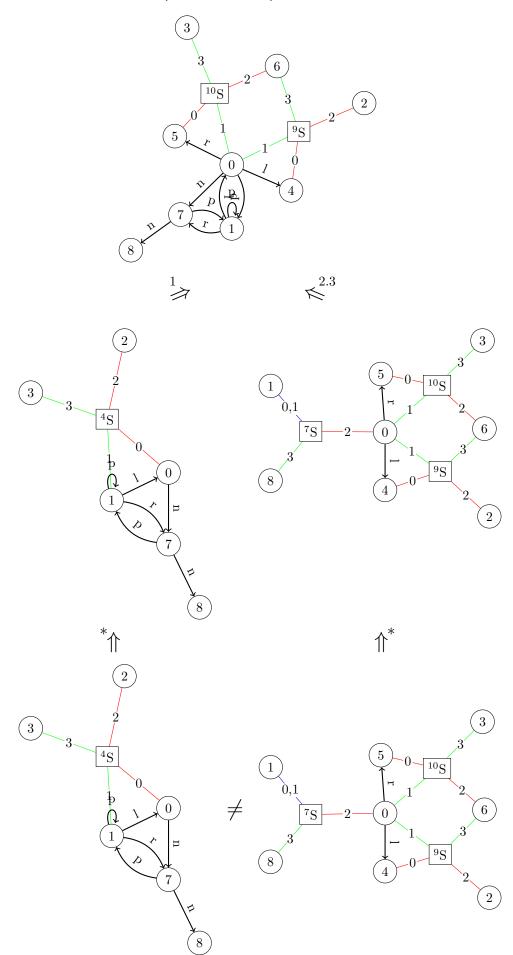
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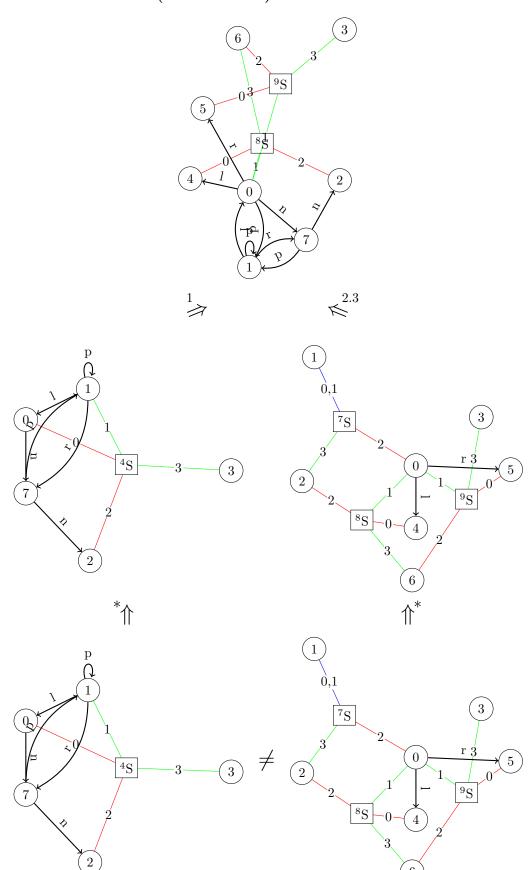
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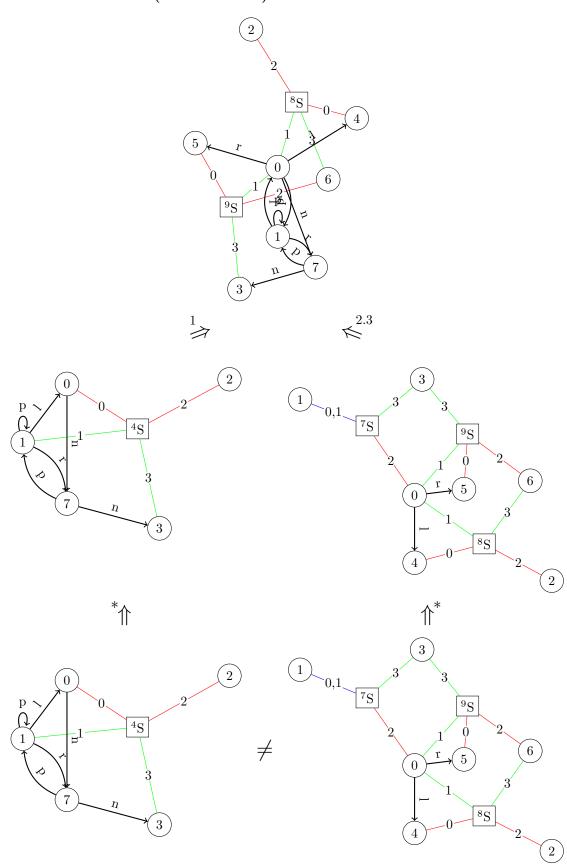
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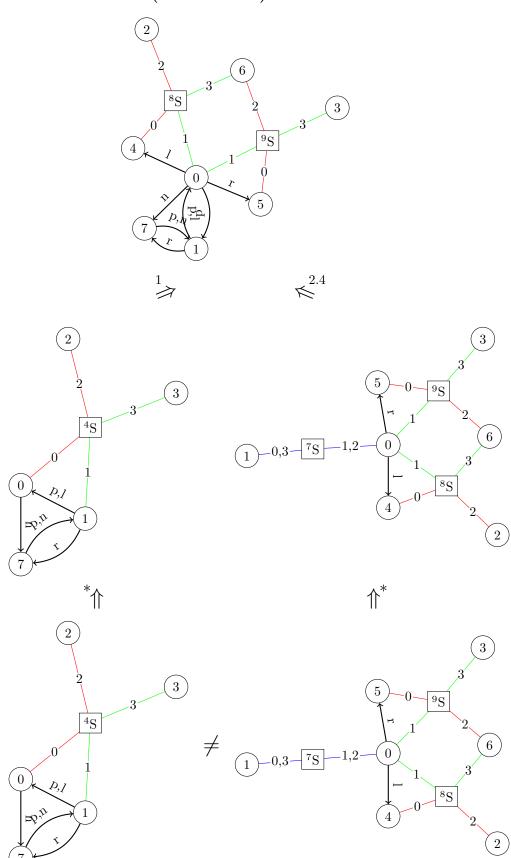
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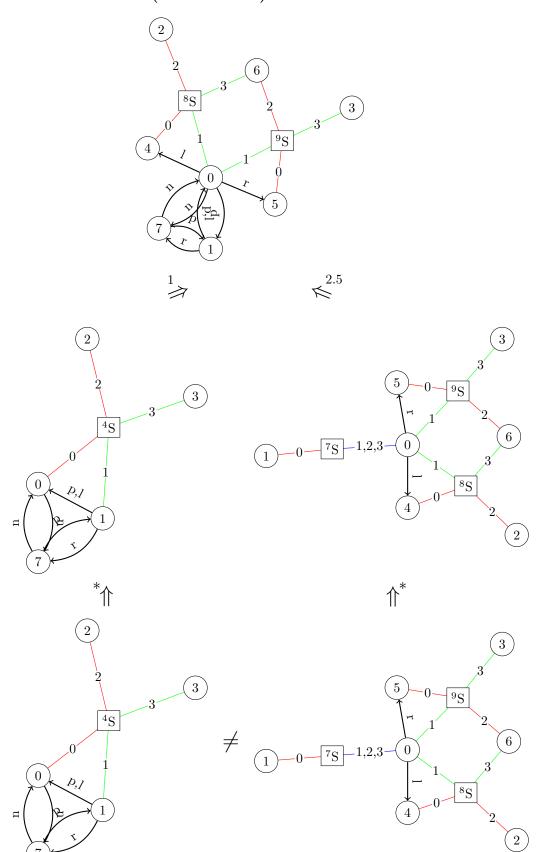
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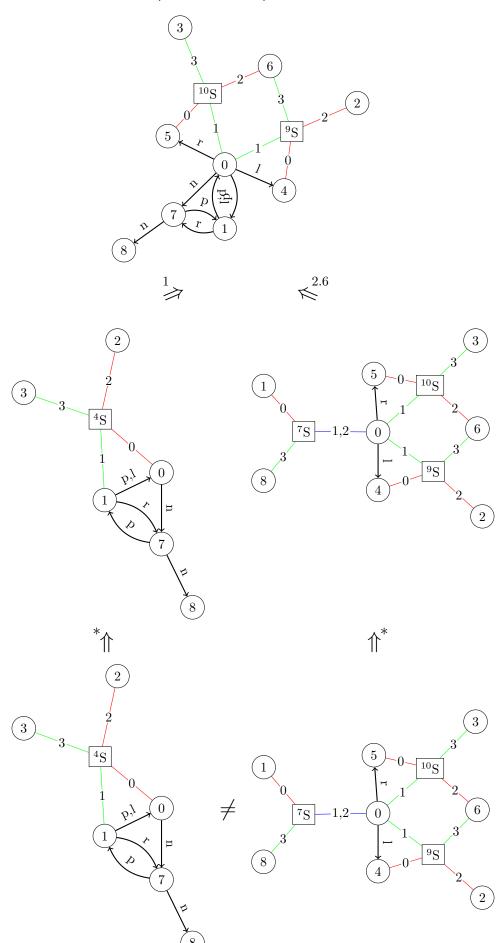
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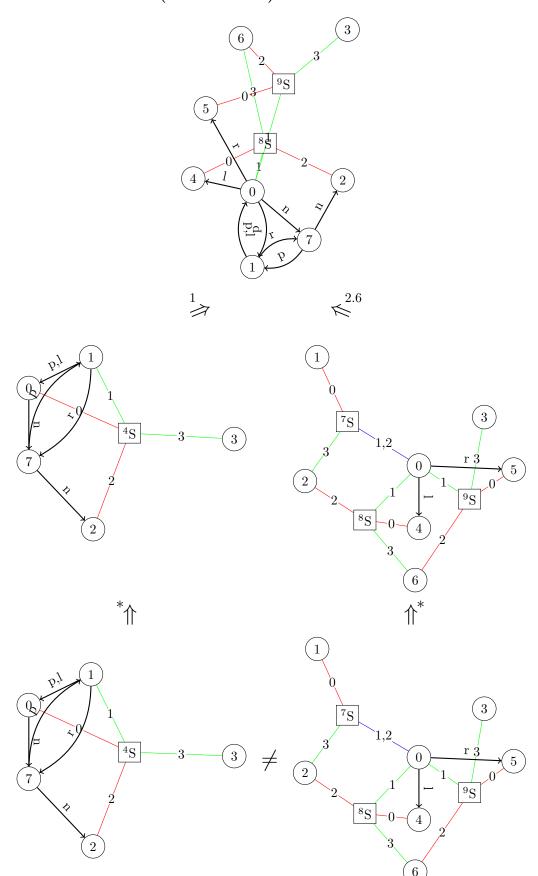
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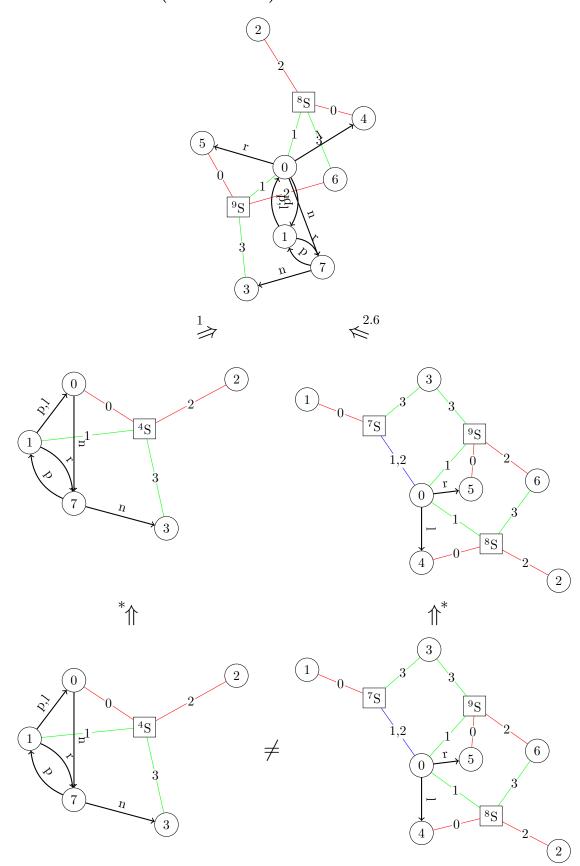
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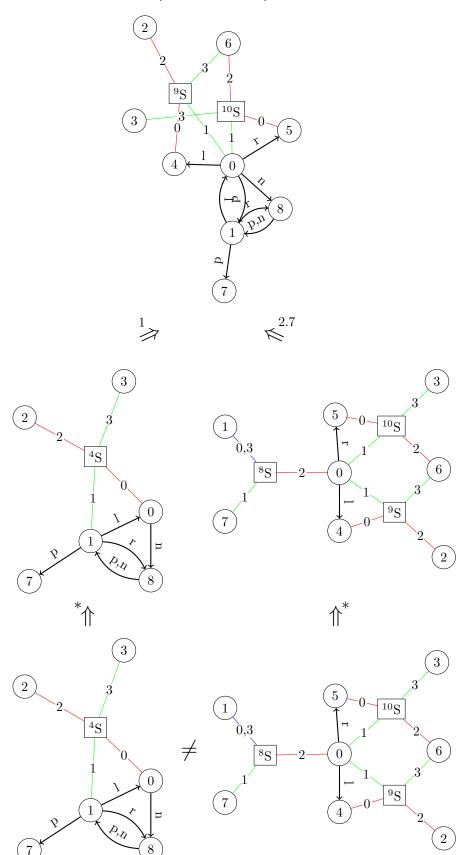
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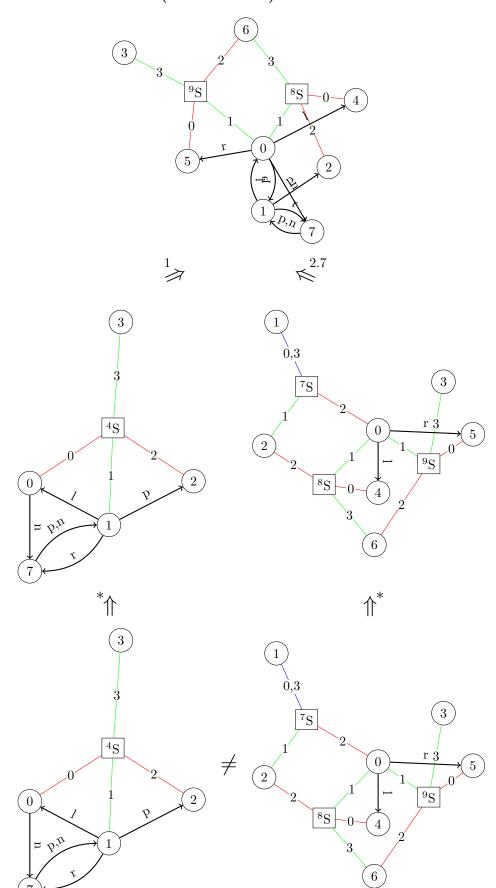
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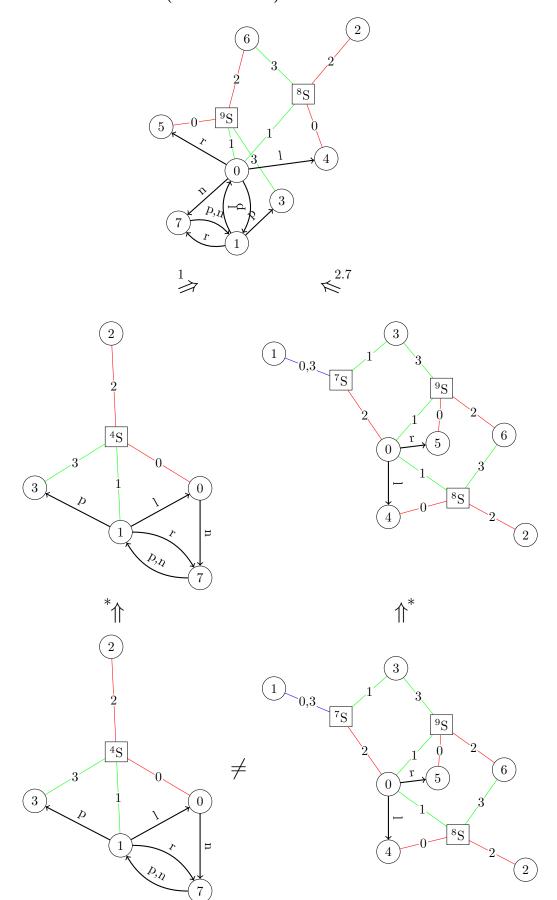
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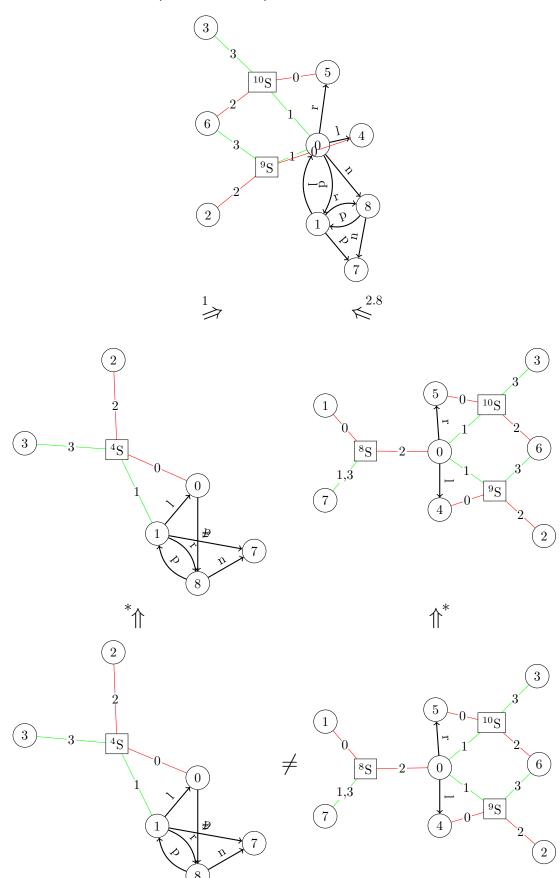
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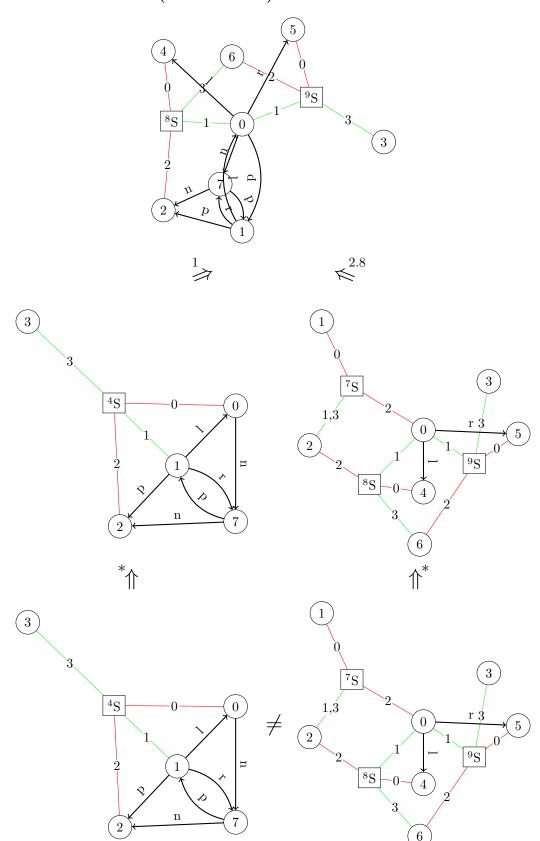
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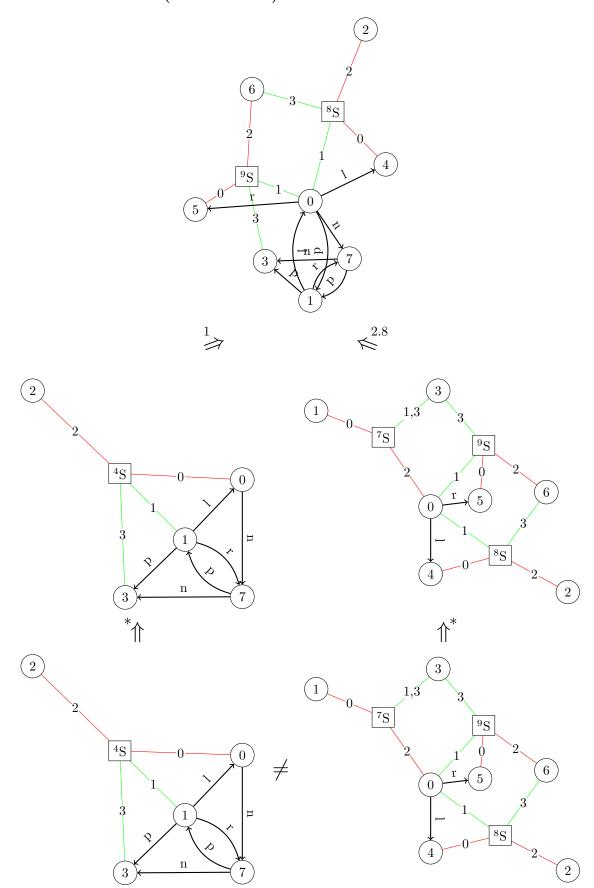
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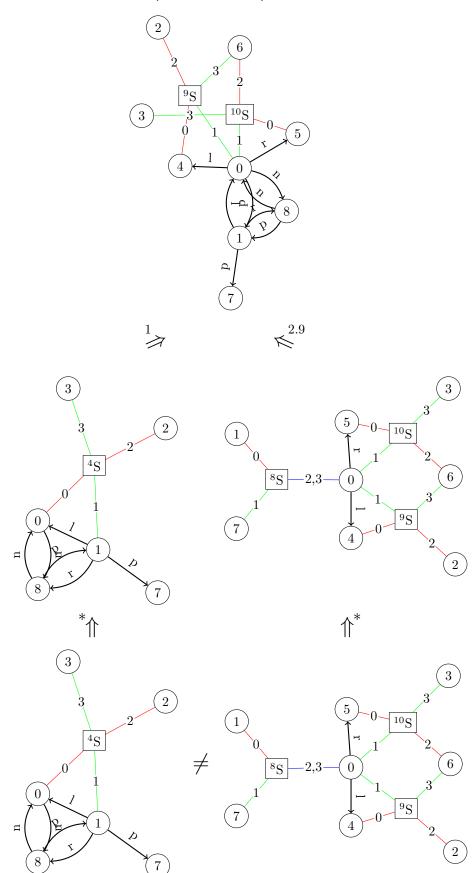
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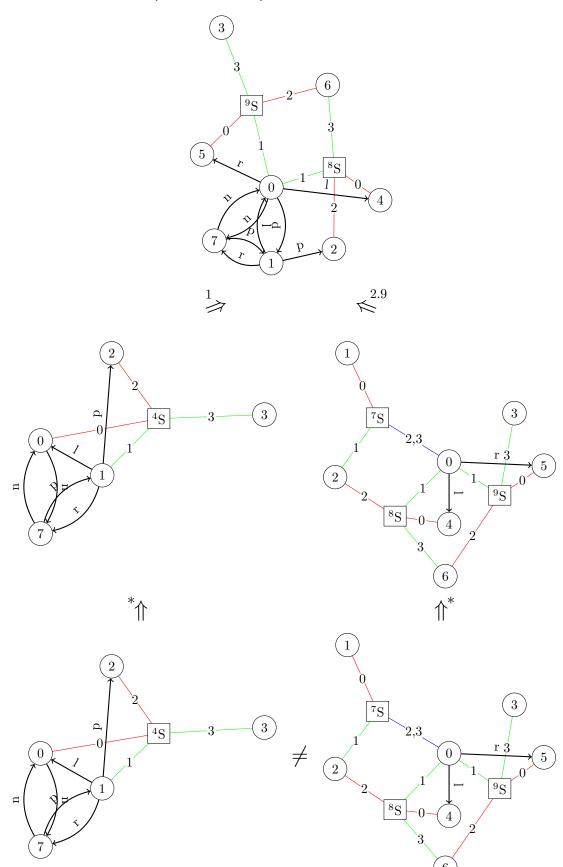
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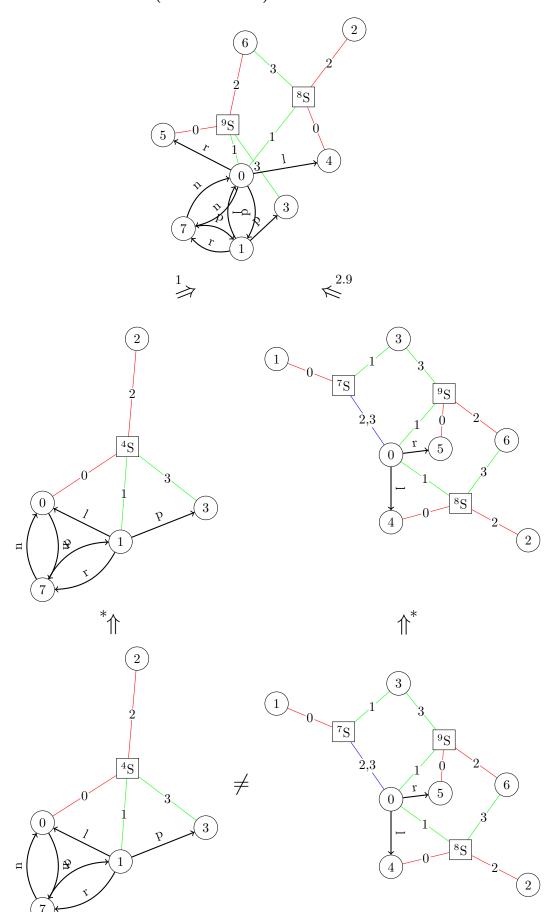
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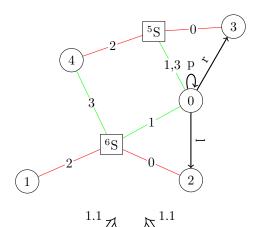
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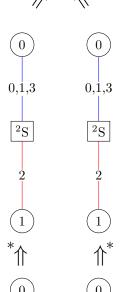


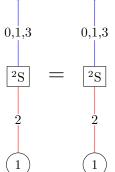
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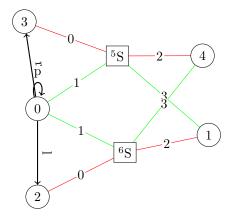
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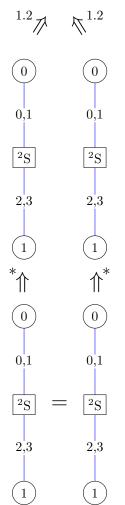




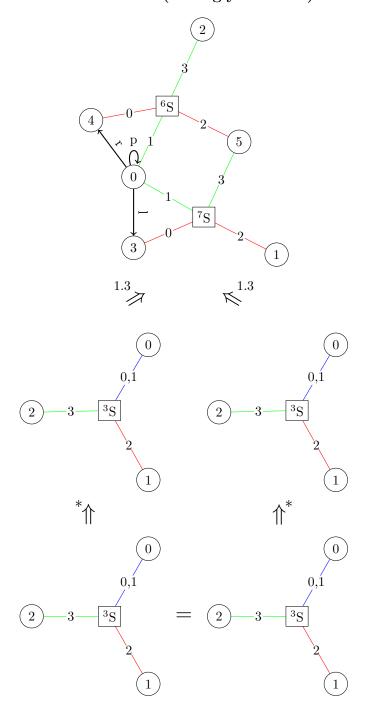


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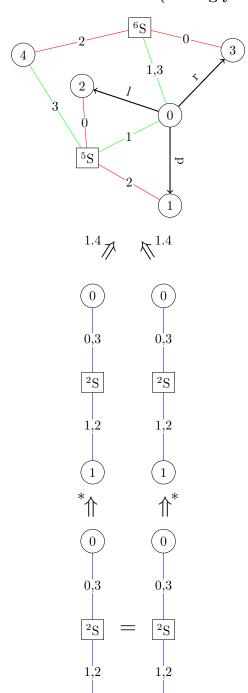




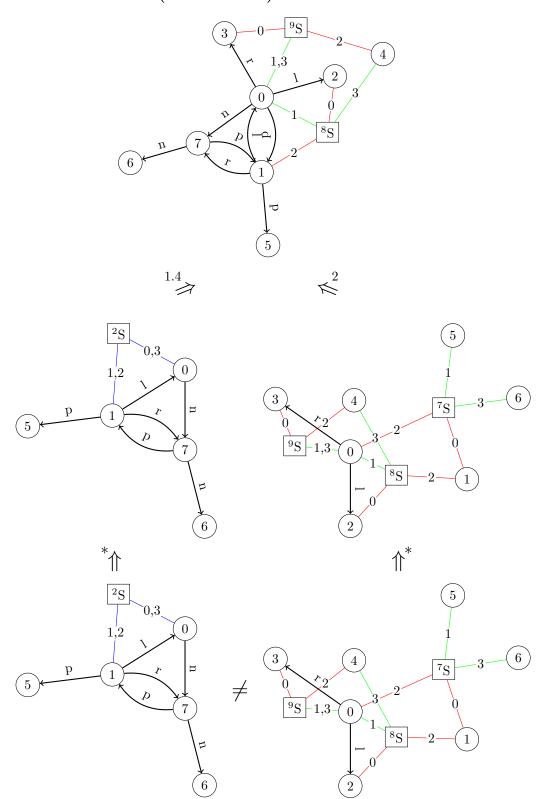
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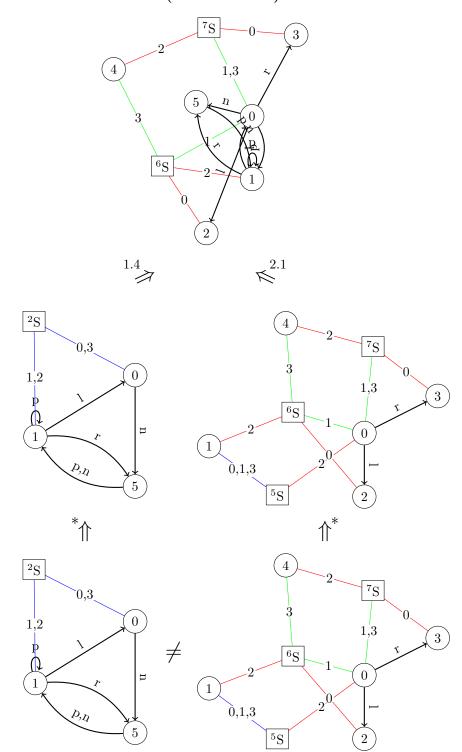
### 1.33 Critical Pair (Strongly Joinable)



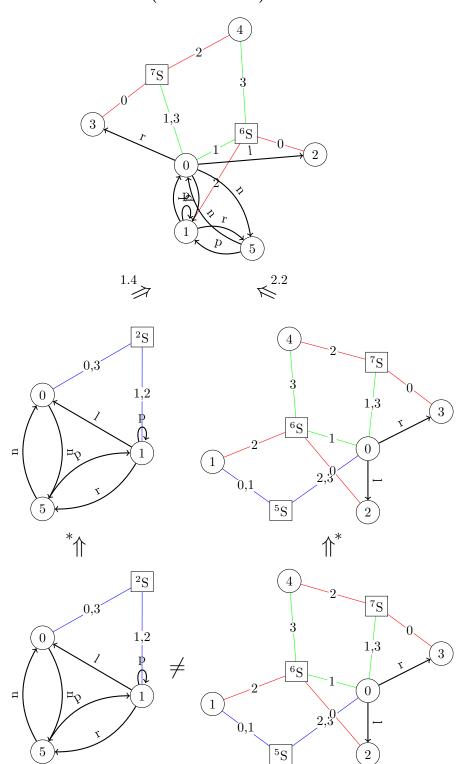
## 1.34 Critical Pair (Not Joinable)



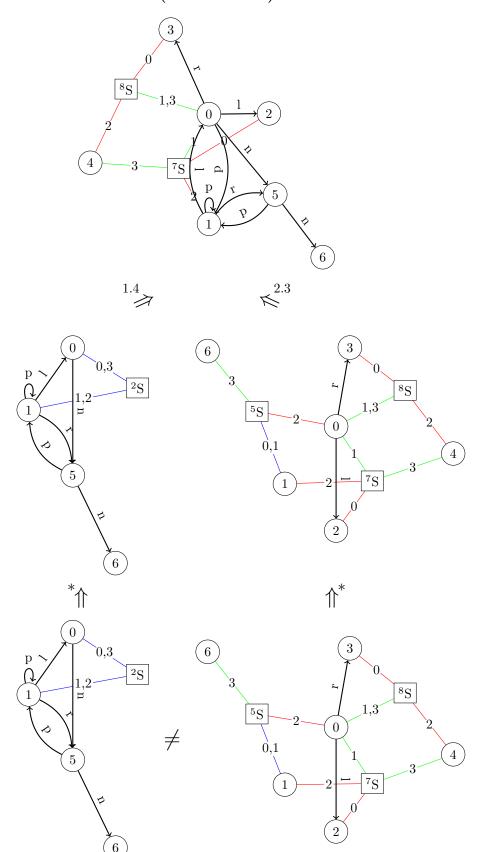
## 1.35 Critical Pair (Not Joinable)



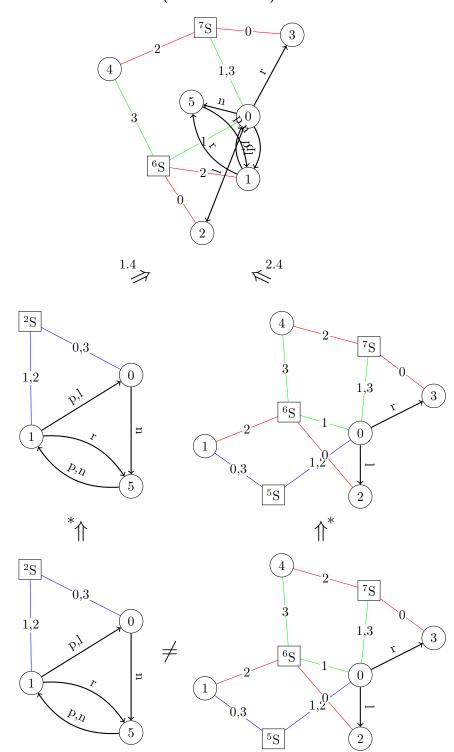
# 1.36 Critical Pair (Not Joinable)



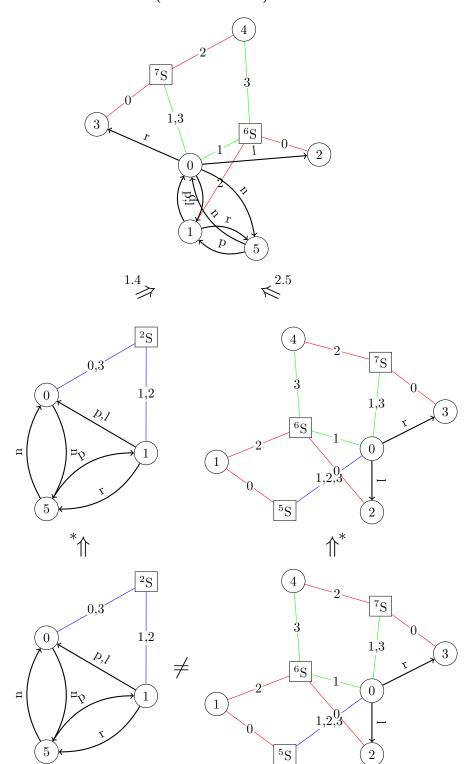
# 1.37 Critical Pair (Not Joinable)



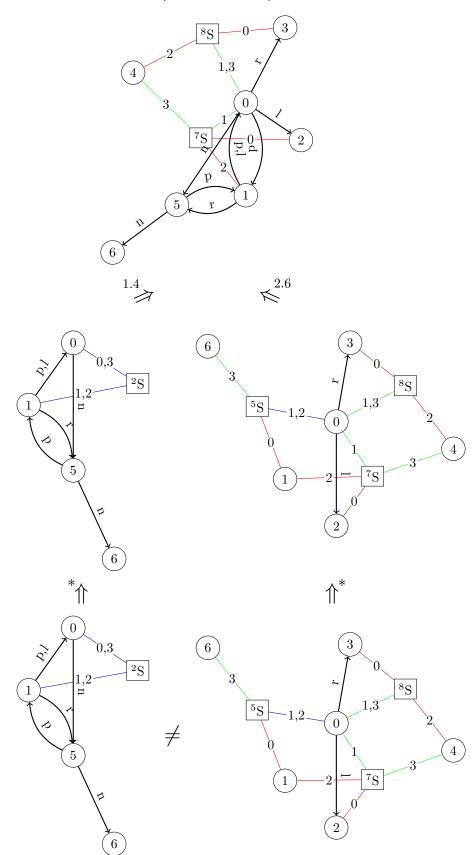
## 1.38 Critical Pair (Not Joinable)



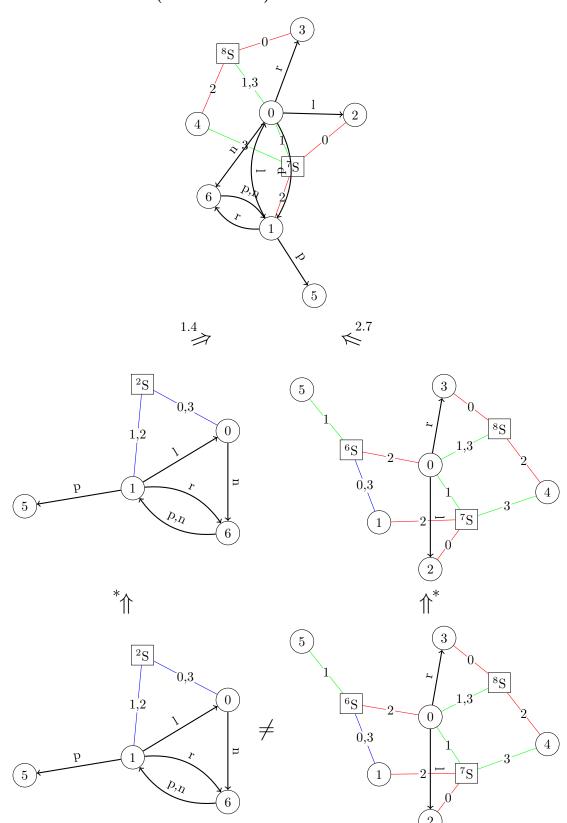
# 1.39 Critical Pair (Not Joinable)



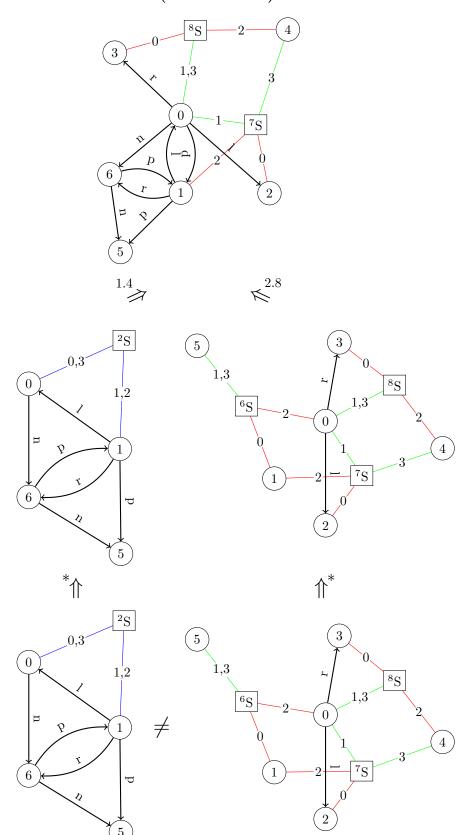
## 1.40 Critical Pair (Not Joinable)



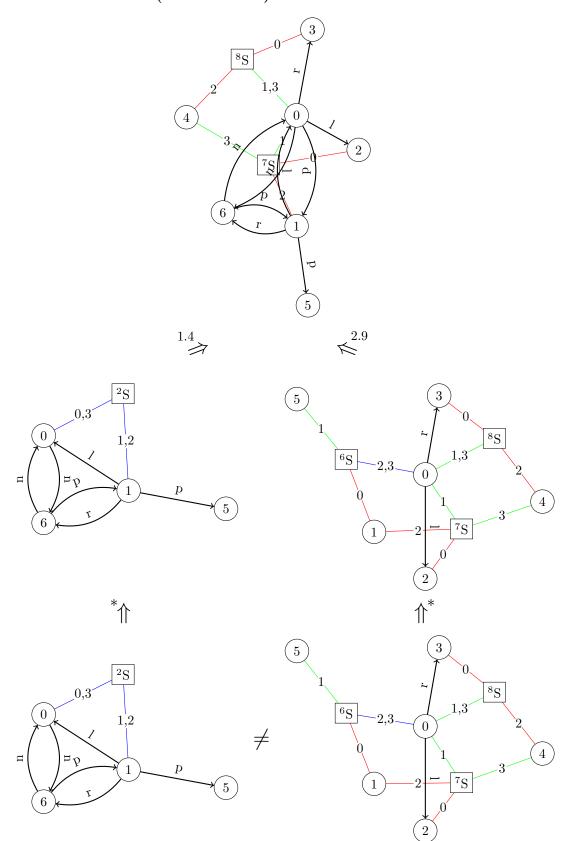
## 1.41 Critical Pair (Not Joinable)



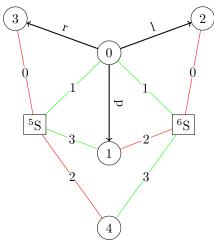
## 1.42 Critical Pair (Not Joinable)



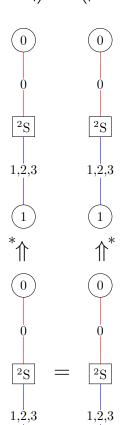
## 1.43 Critical Pair (Not Joinable)



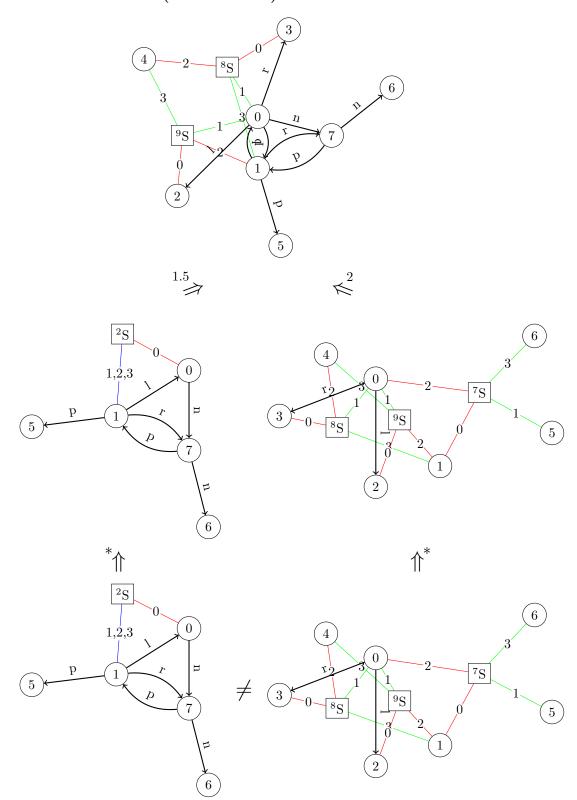
# 1.44 Critical Pair (Strongly Joinable)



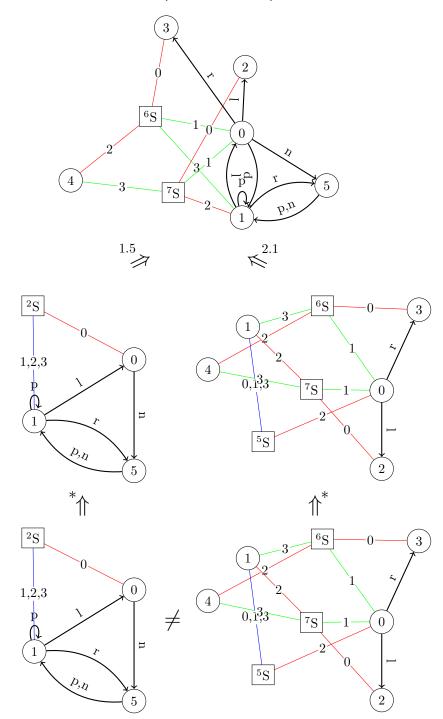




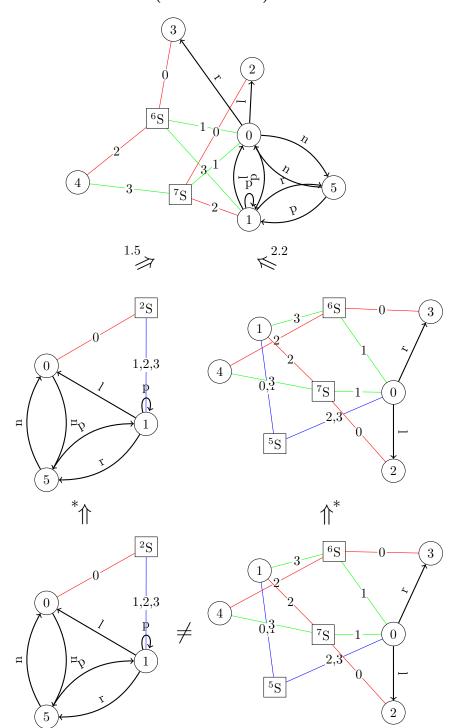
# 1.45 Critical Pair (Not Joinable)



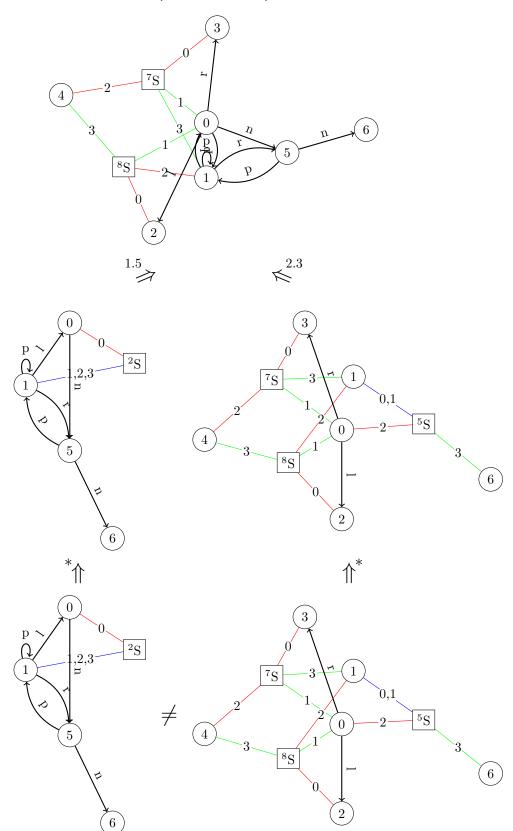
# 1.46 Critical Pair (Not Joinable)



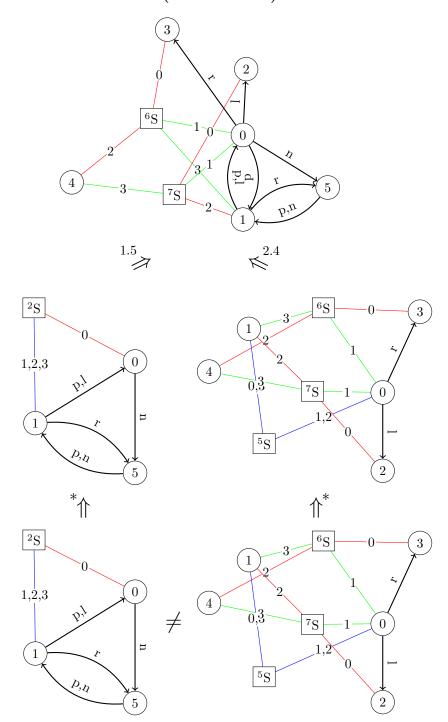
# 1.47 Critical Pair (Not Joinable)



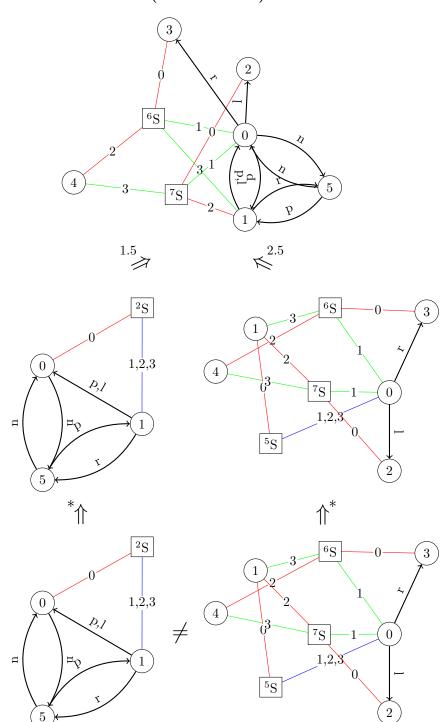
# 1.48 Critical Pair (Not Joinable)



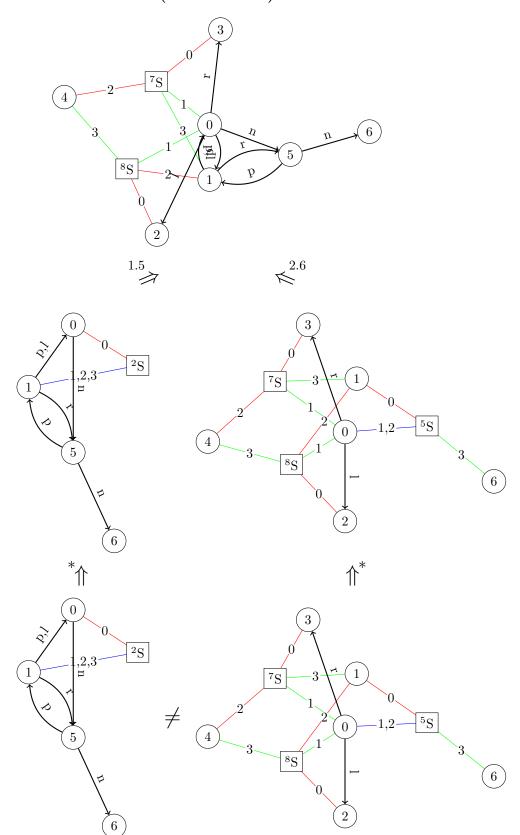
# 1.49 Critical Pair (Not Joinable)



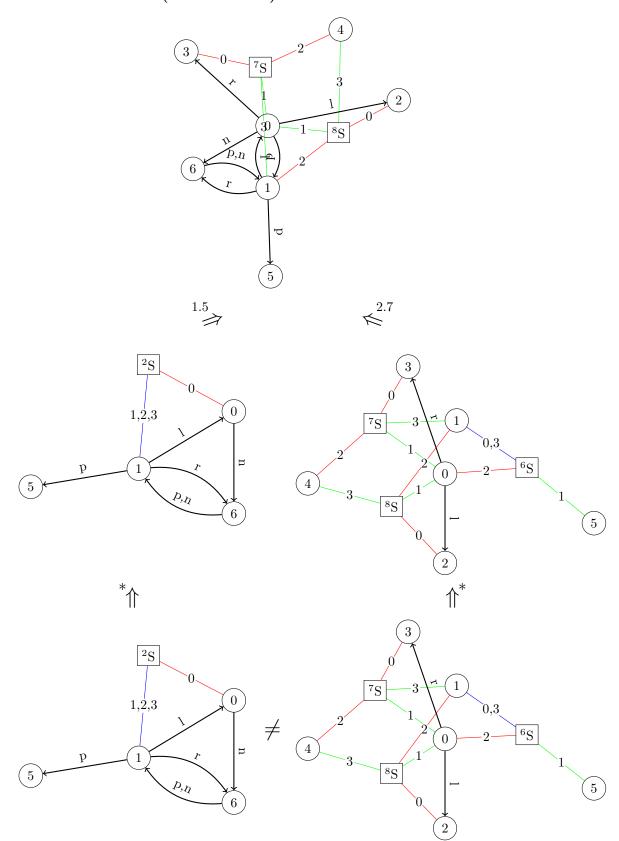
# 1.50 Critical Pair (Not Joinable)



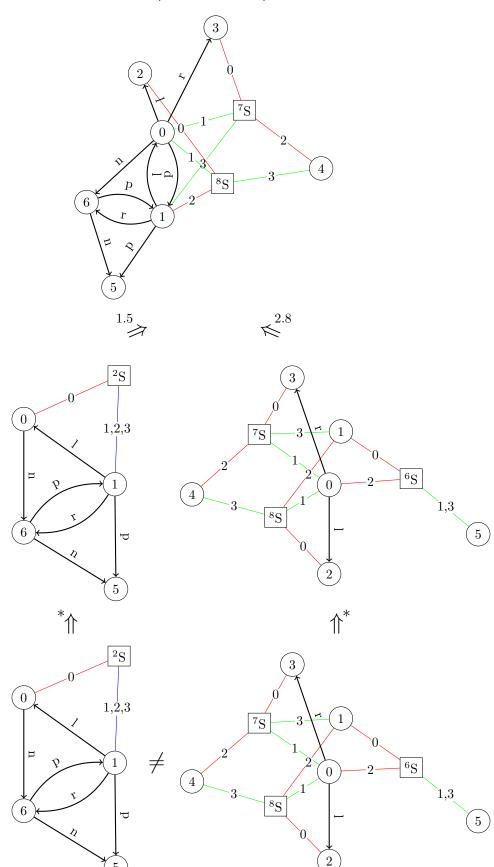
# 1.51 Critical Pair (Not Joinable)



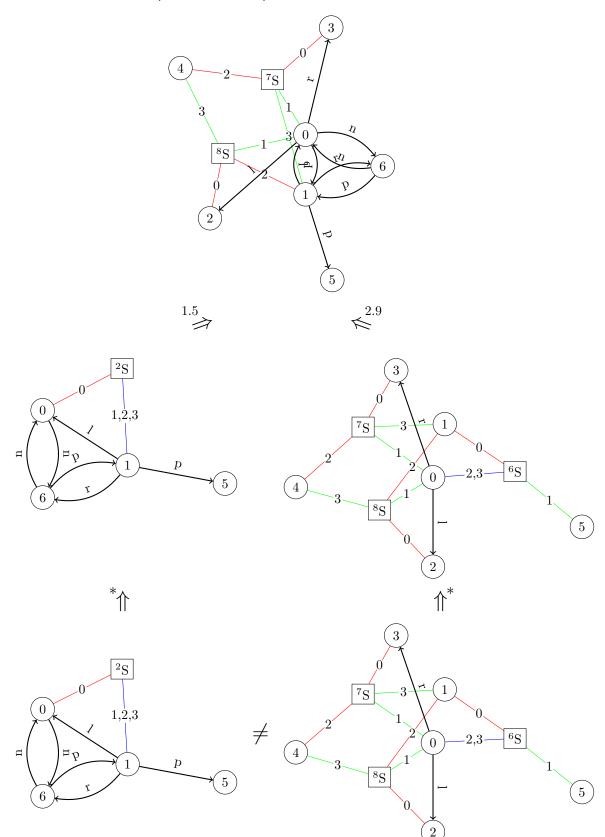
# 1.52 Critical Pair (Not Joinable)



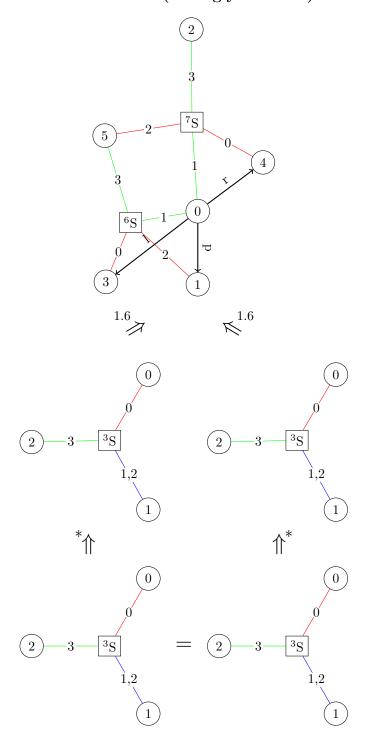
# 1.53 Critical Pair (Not Joinable)



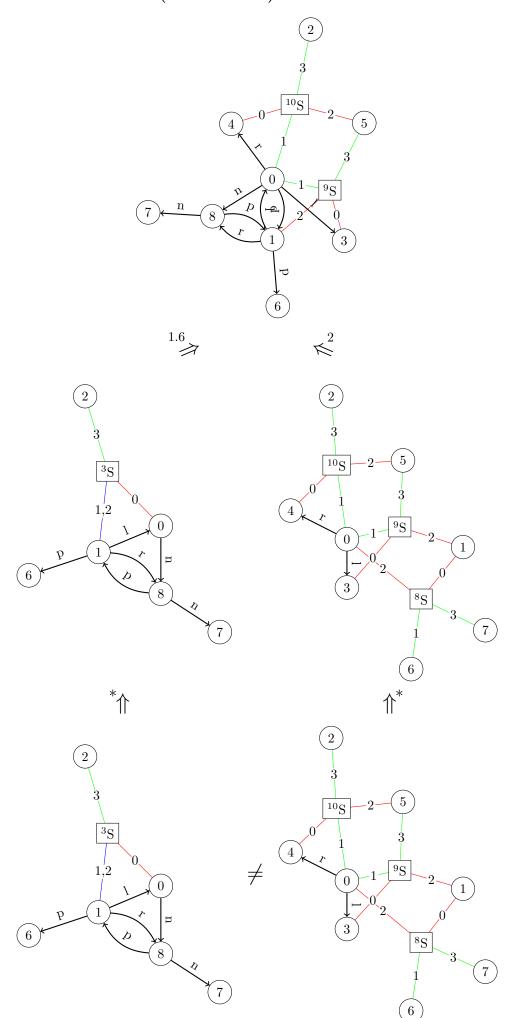
## 1.54 Critical Pair (Not Joinable)



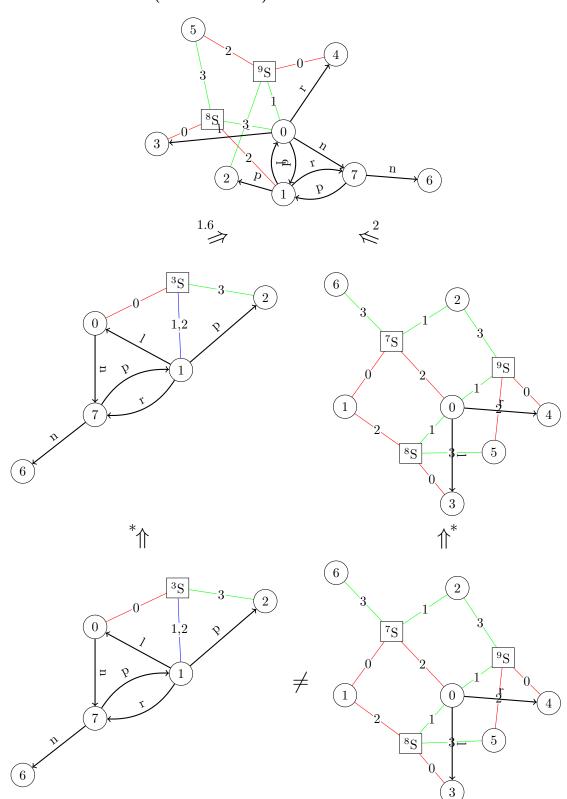
## 1.55 Critical Pair (Strongly Joinable)



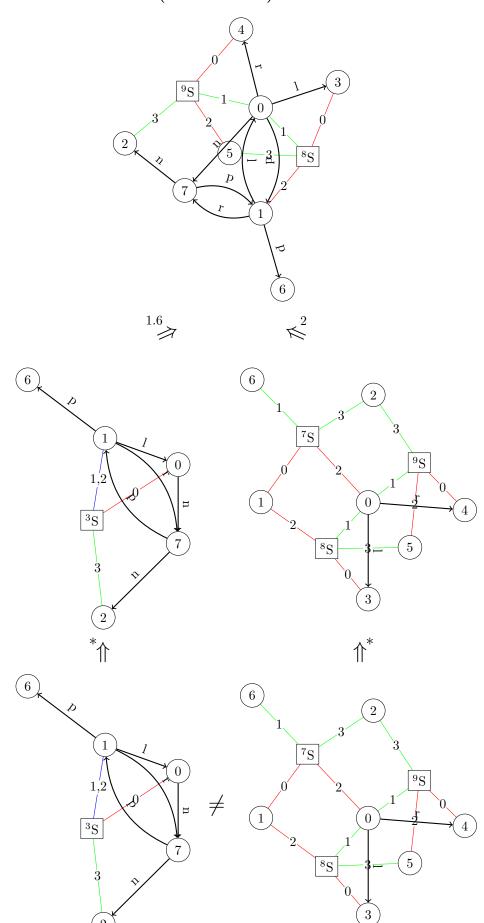
## 1.56 Critical Pair (Not Joinable)



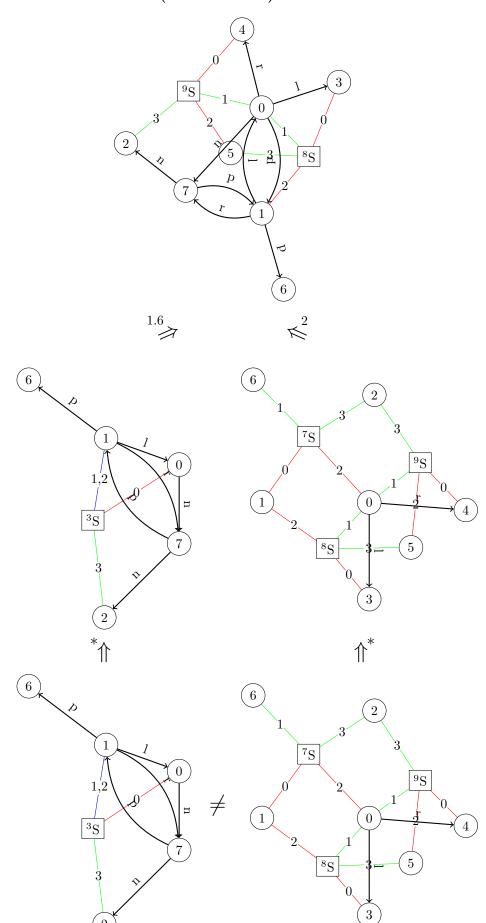
## 1.57 Critical Pair (Not Joinable)



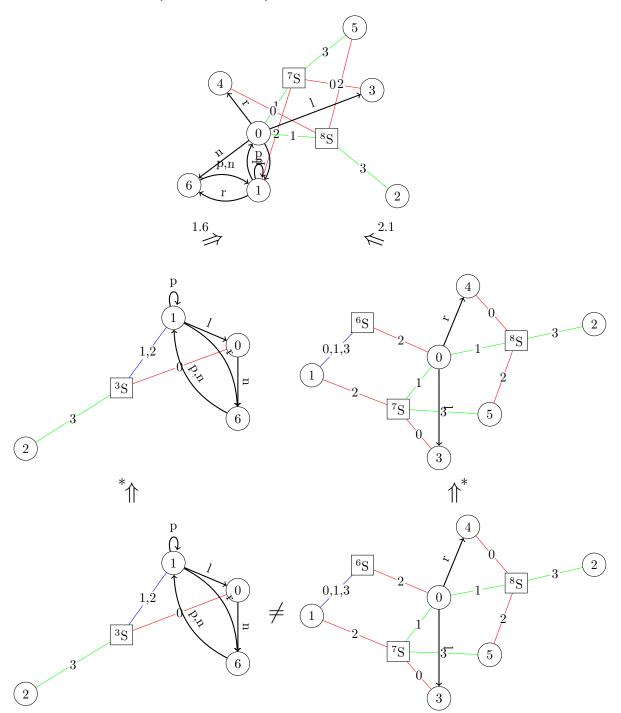
## 1.58 Critical Pair (Not Joinable)



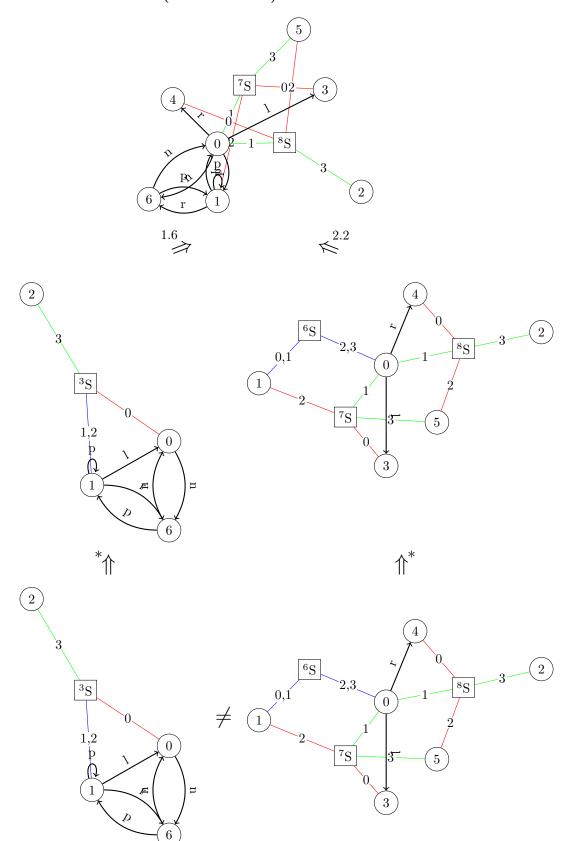
## 1.59 Critical Pair (Not Joinable)



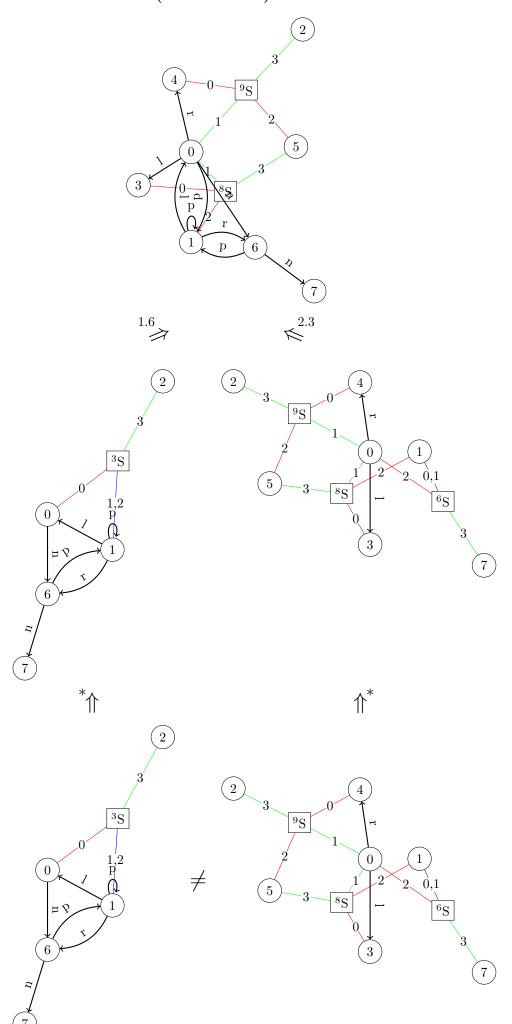
# 1.60 Critical Pair (Not Joinable)



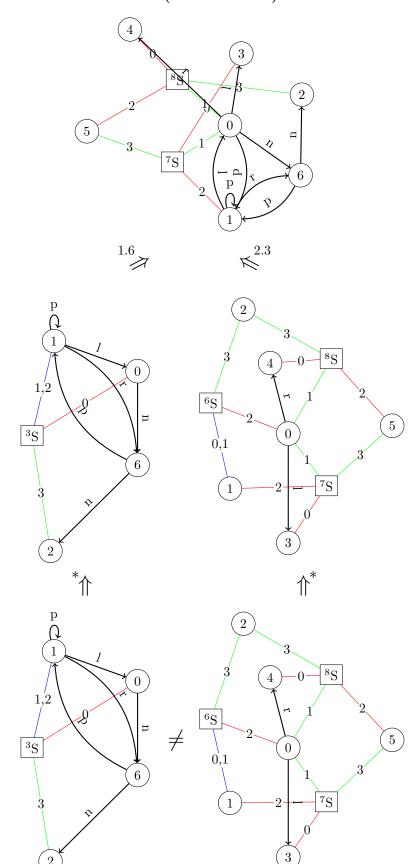
## 1.61 Critical Pair (Not Joinable)



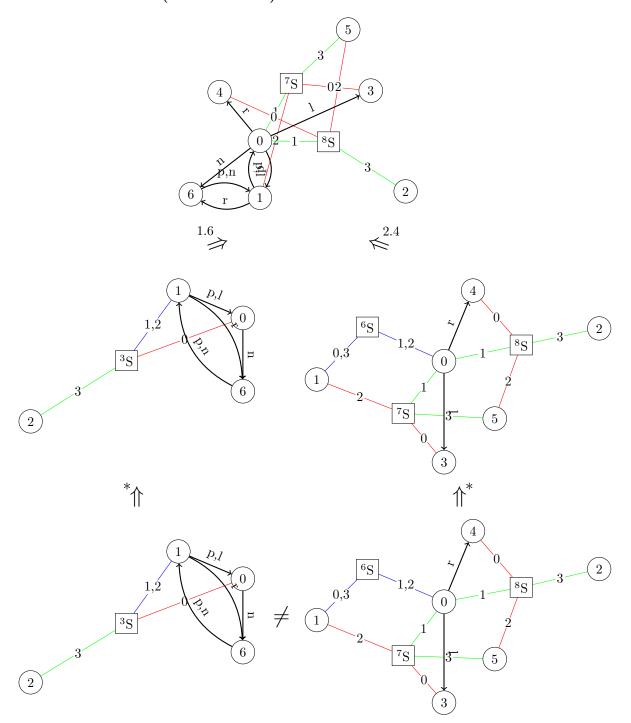
## 1.62 Critical Pair (Not Joinable)



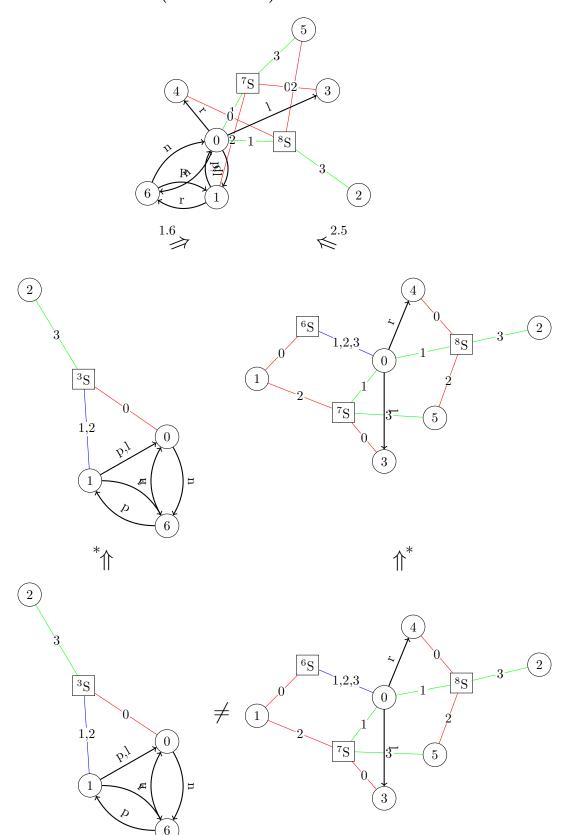
# 1.63 Critical Pair (Not Joinable)



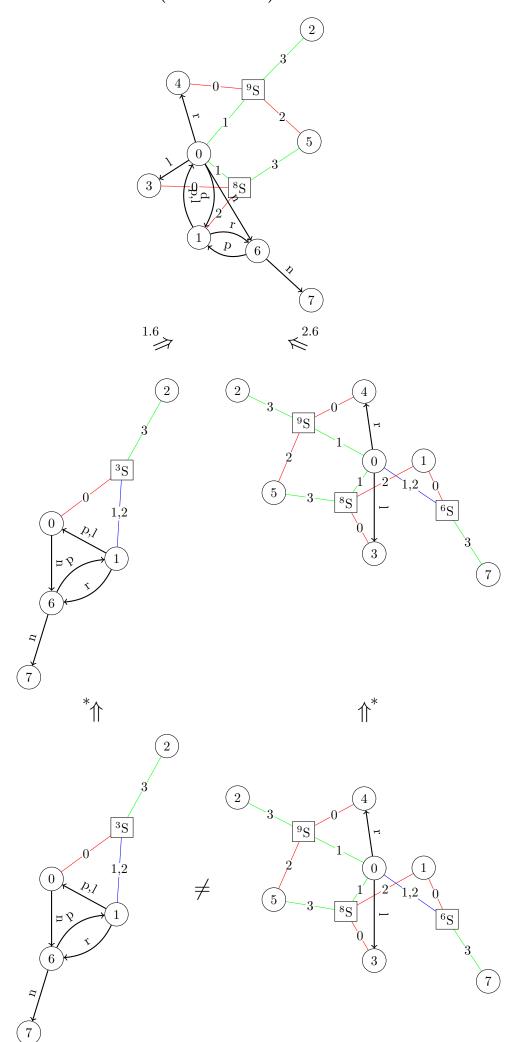
# 1.64 Critical Pair (Not Joinable)



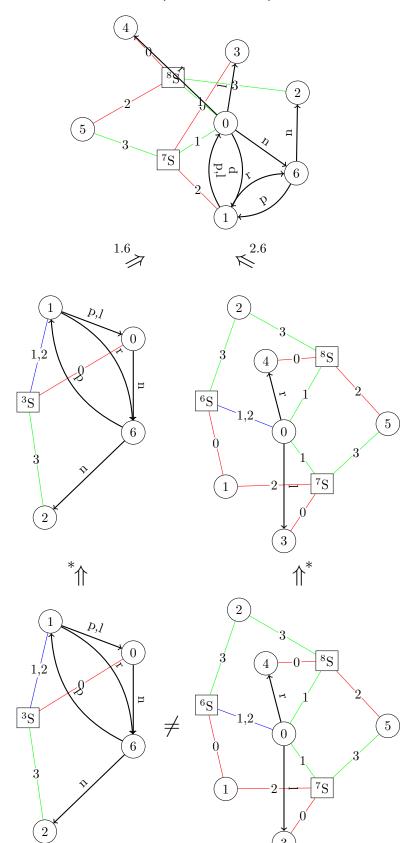
# 1.65 Critical Pair (Not Joinable)



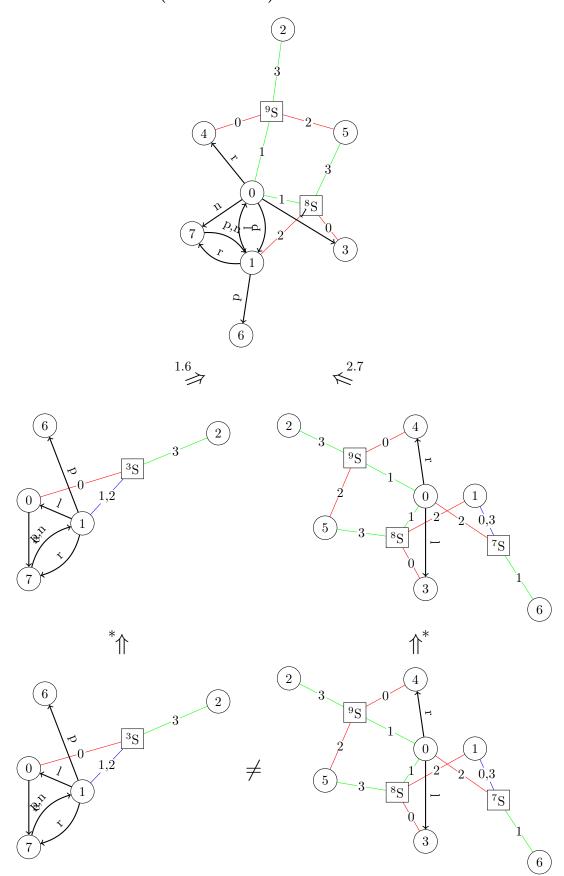
## 1.66 Critical Pair (Not Joinable)



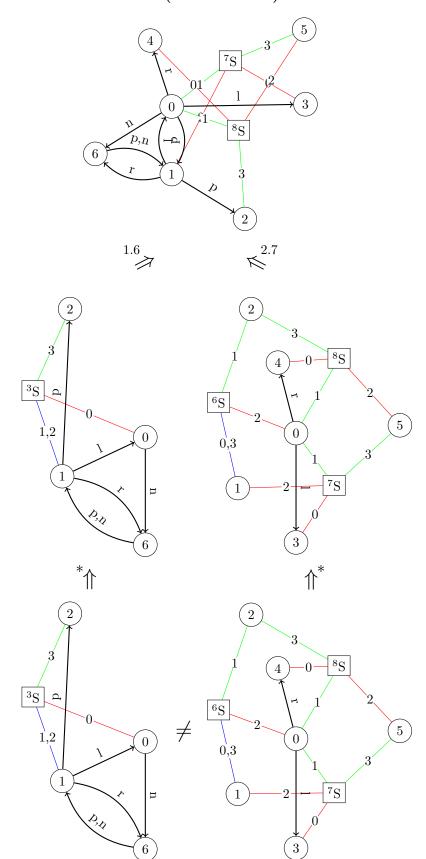
# 1.67 Critical Pair (Not Joinable)



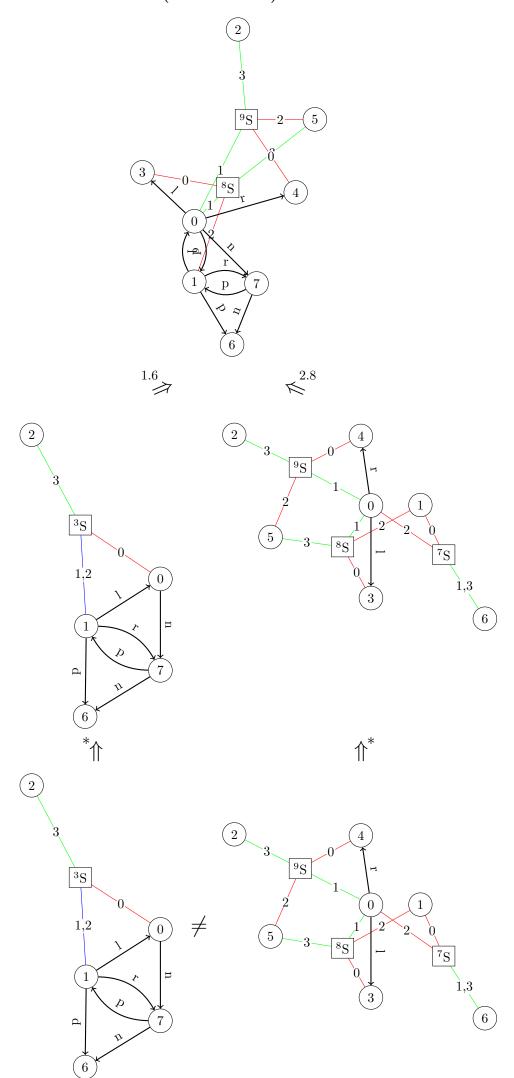
## 1.68 Critical Pair (Not Joinable)



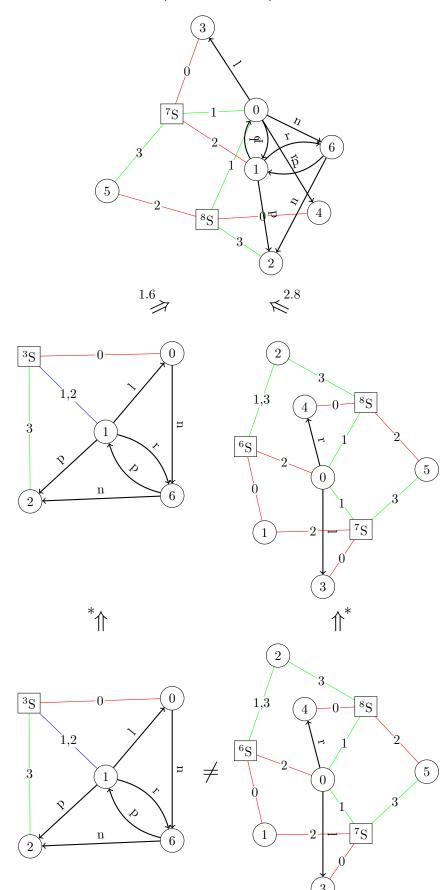
# 1.69 Critical Pair (Not Joinable)



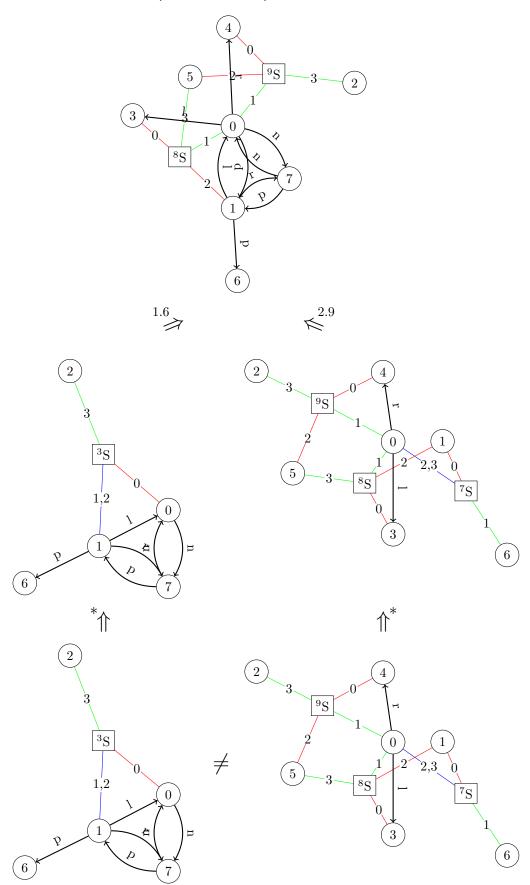
## 1.70 Critical Pair (Not Joinable)



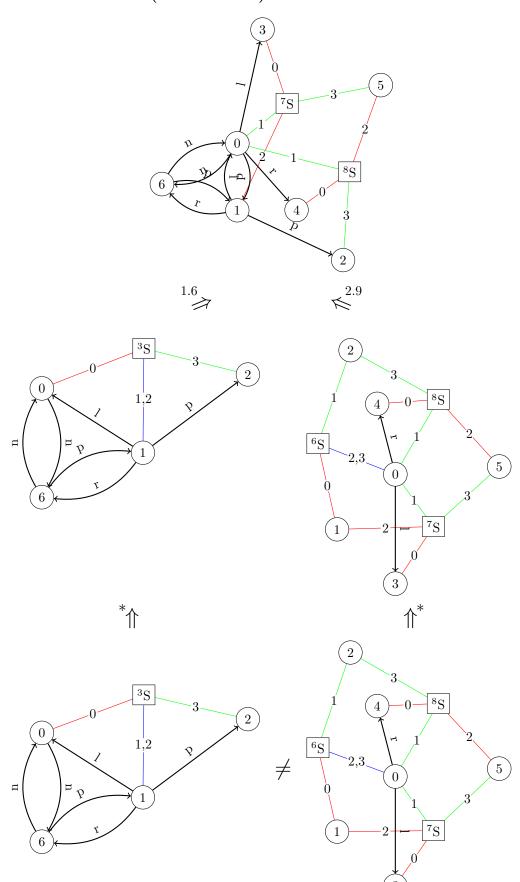
## 1.71 Critical Pair (Not Joinable)



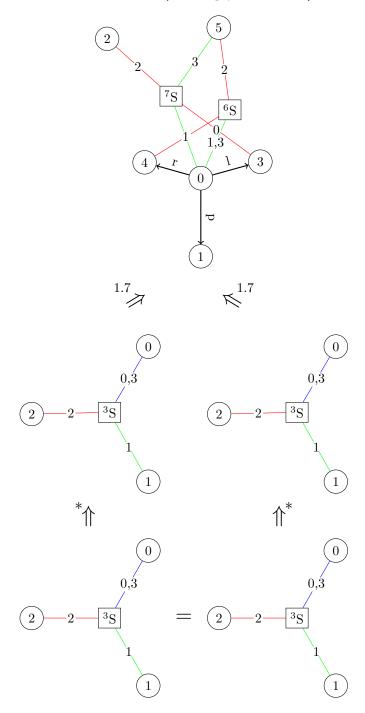
## 1.72 Critical Pair (Not Joinable)



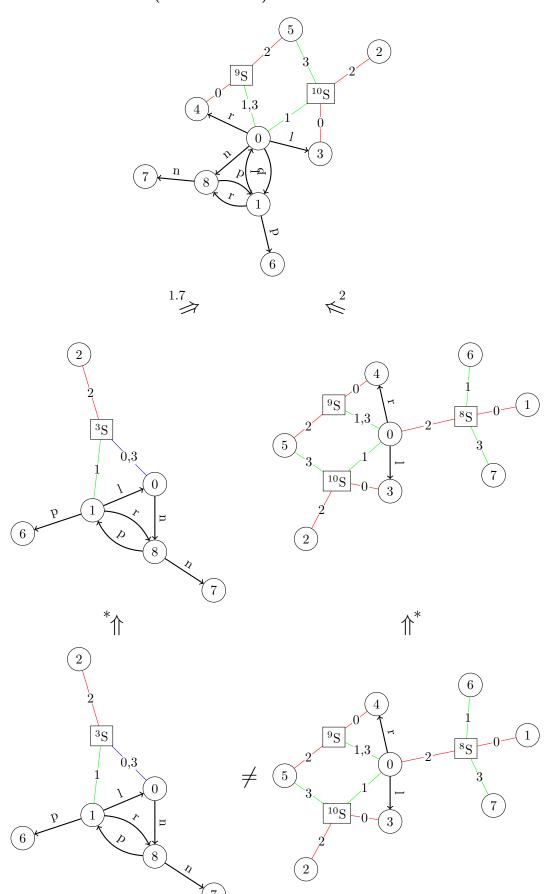
## 1.73 Critical Pair (Not Joinable)



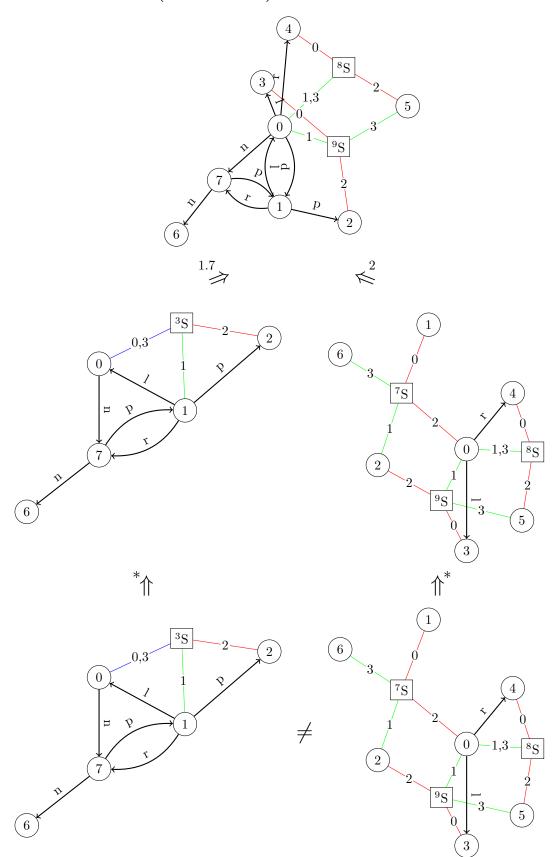
# 1.74 Critical Pair (Strongly Joinable)



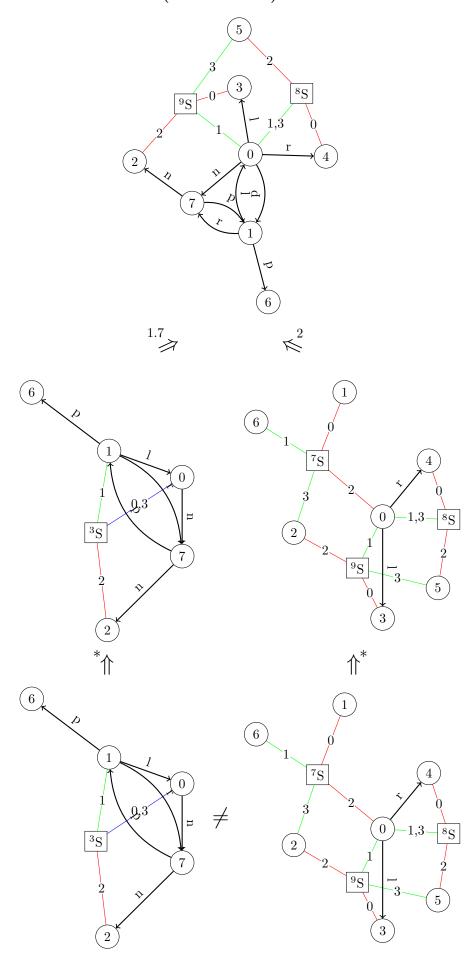
# 1.75 Critical Pair (Not Joinable)



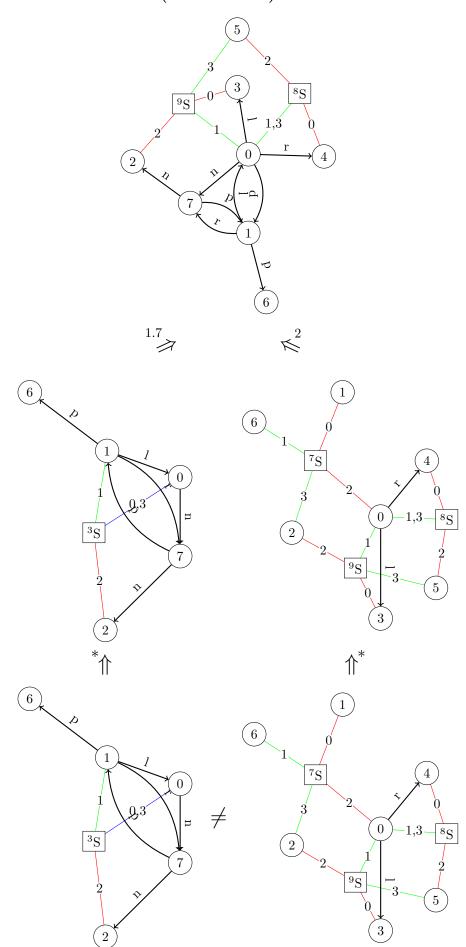
# 1.76 Critical Pair (Not Joinable)



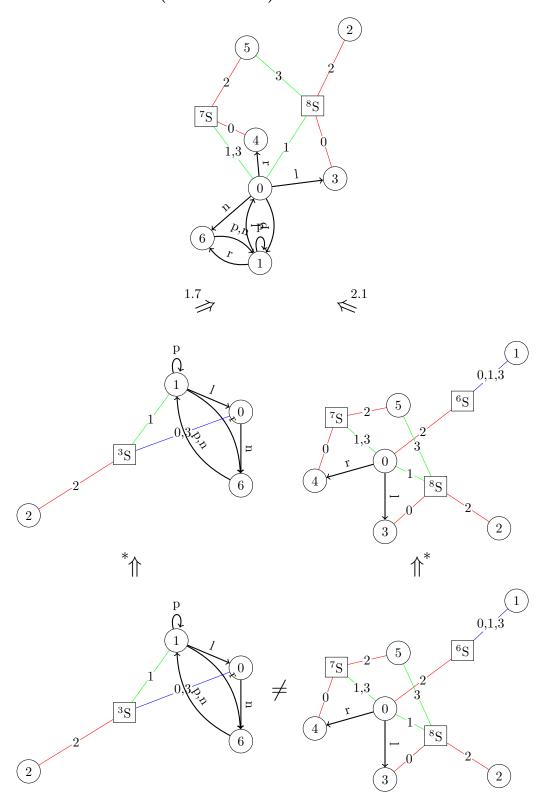
## 1.77 Critical Pair (Not Joinable)



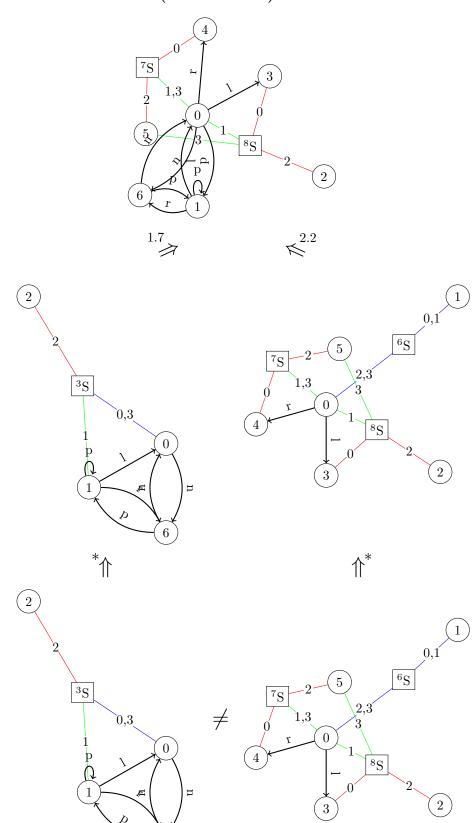
## 1.78 Critical Pair (Not Joinable)



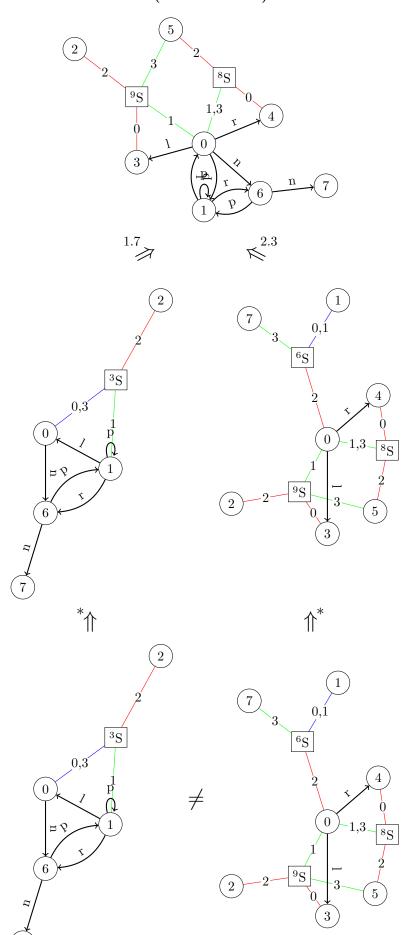
# 1.79 Critical Pair (Not Joinable)



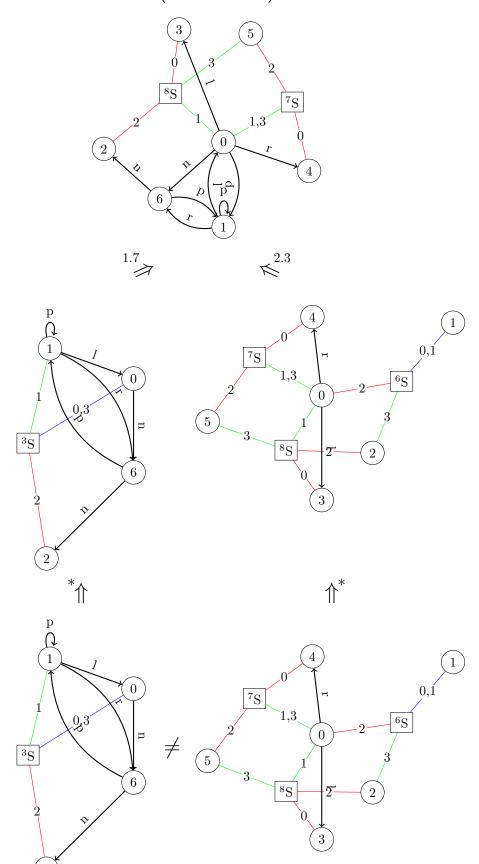
# 1.80 Critical Pair (Not Joinable)



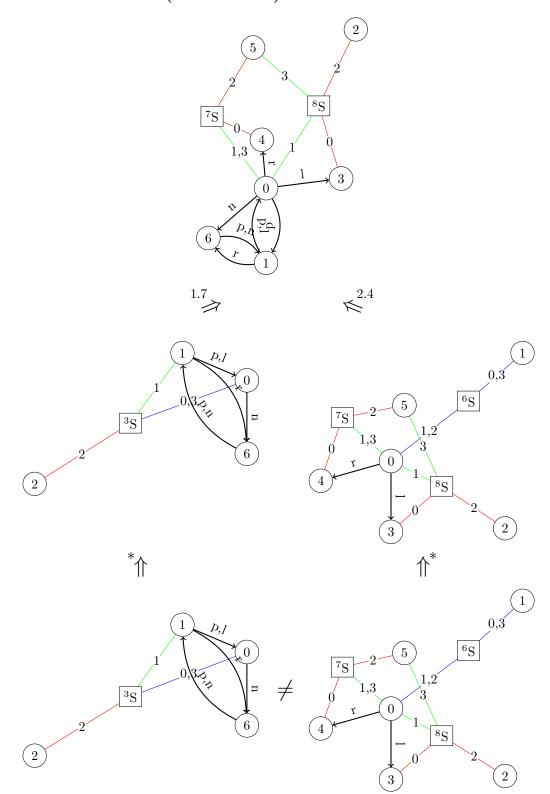
# 1.81 Critical Pair (Not Joinable)



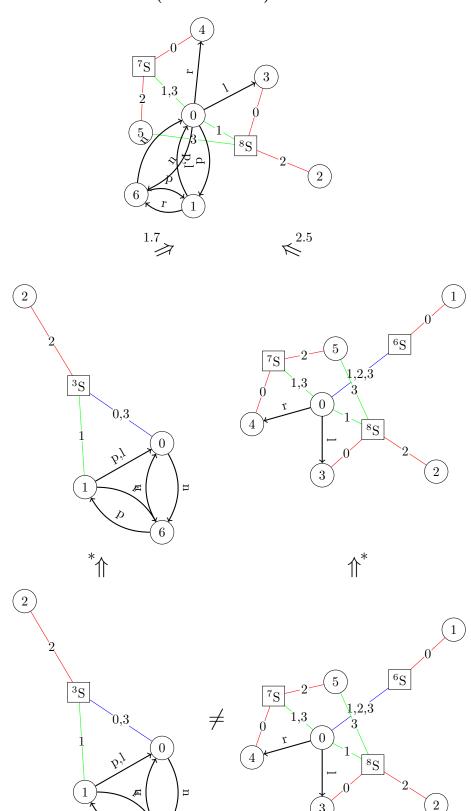
## 1.82 Critical Pair (Not Joinable)



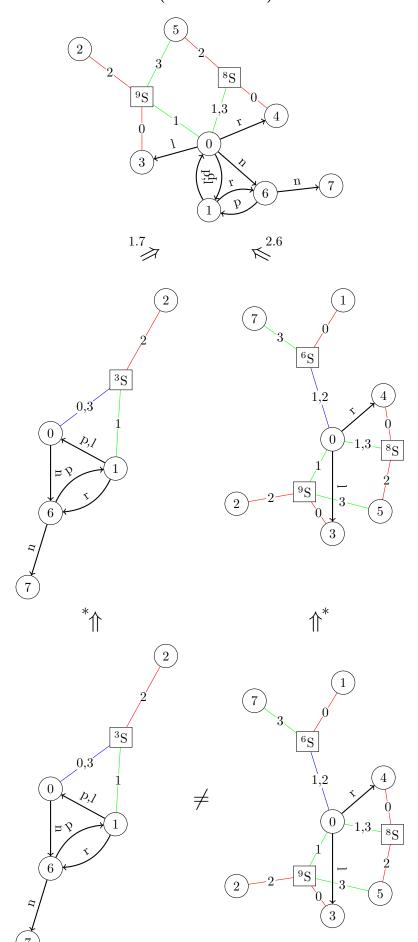
## 1.83 Critical Pair (Not Joinable)



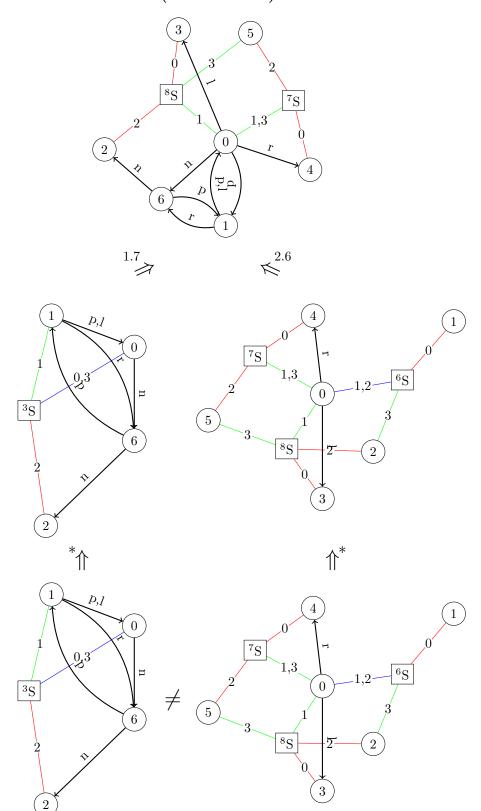
## 1.84 Critical Pair (Not Joinable)



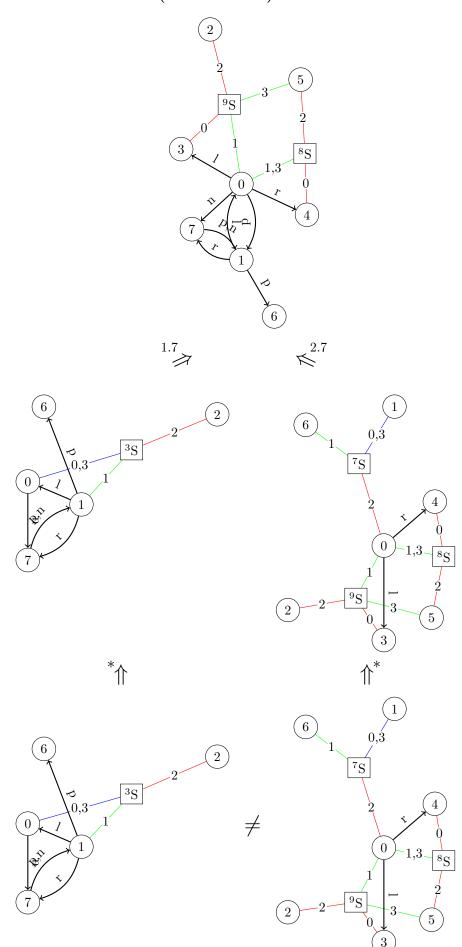
# 1.85 Critical Pair (Not Joinable)



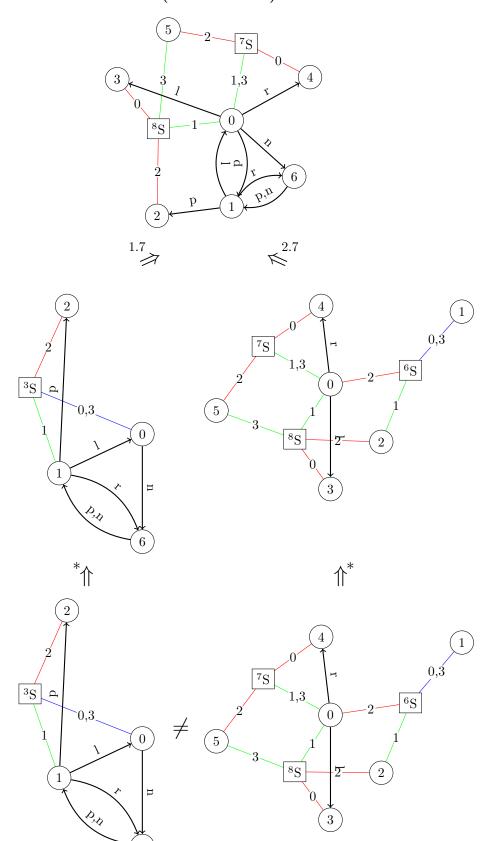
## 1.86 Critical Pair (Not Joinable)



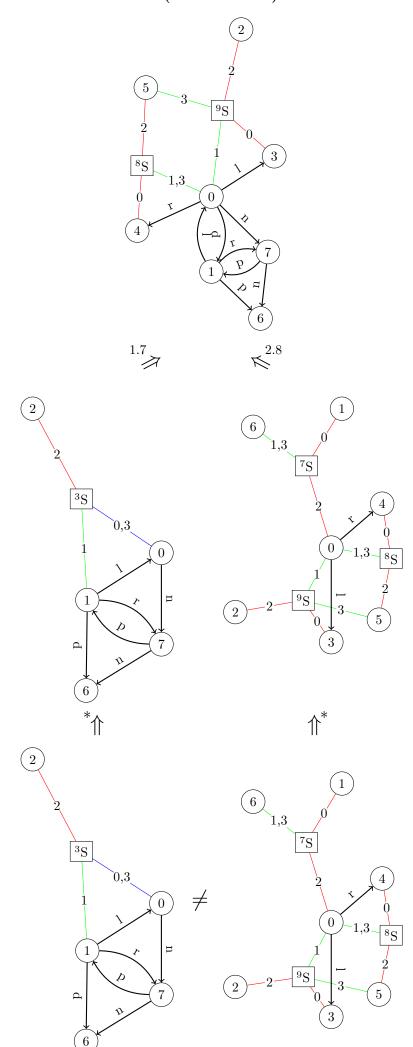
# 1.87 Critical Pair (Not Joinable)



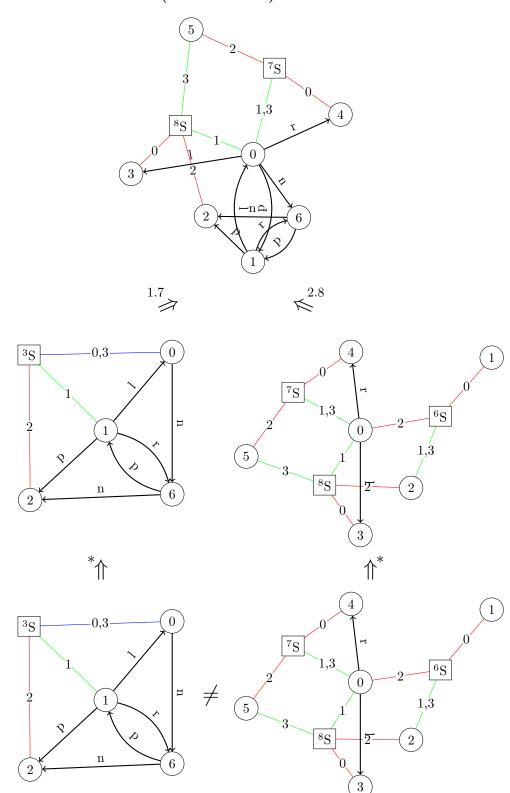
## 1.88 Critical Pair (Not Joinable)



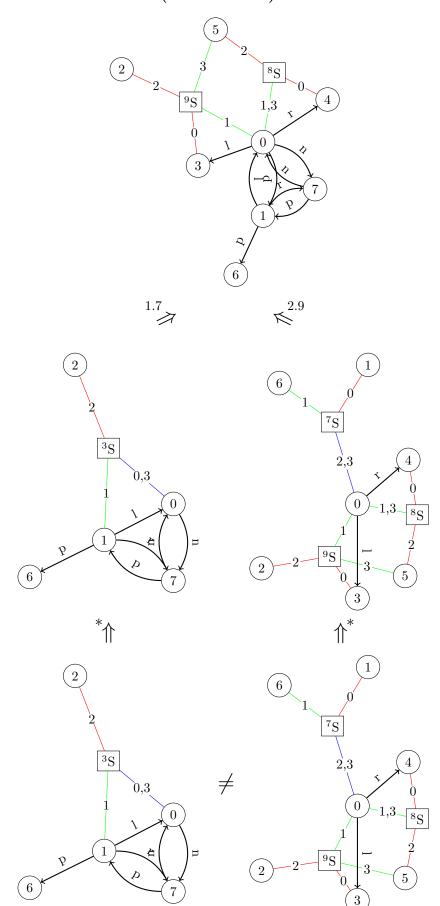
## 1.89 Critical Pair (Not Joinable)



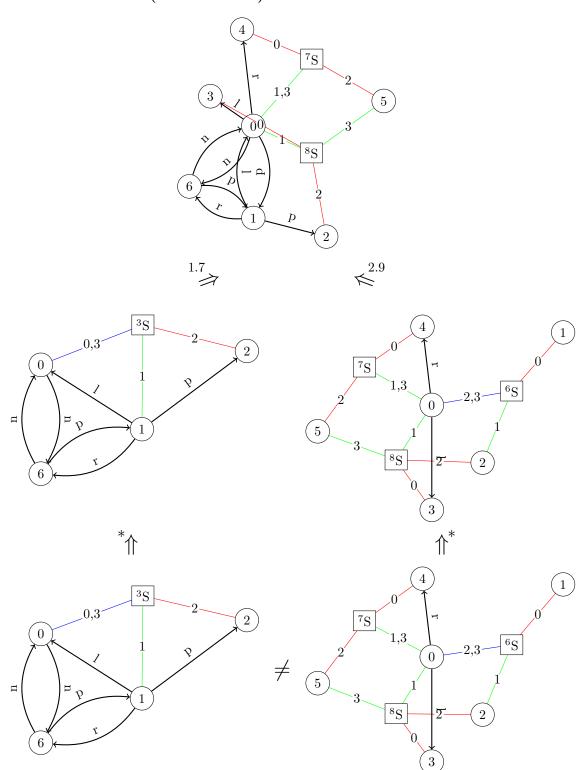
## 1.90 Critical Pair (Not Joinable)



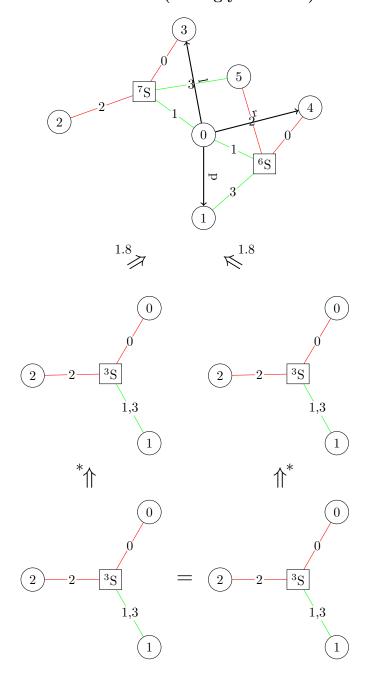
## 1.91 Critical Pair (Not Joinable)



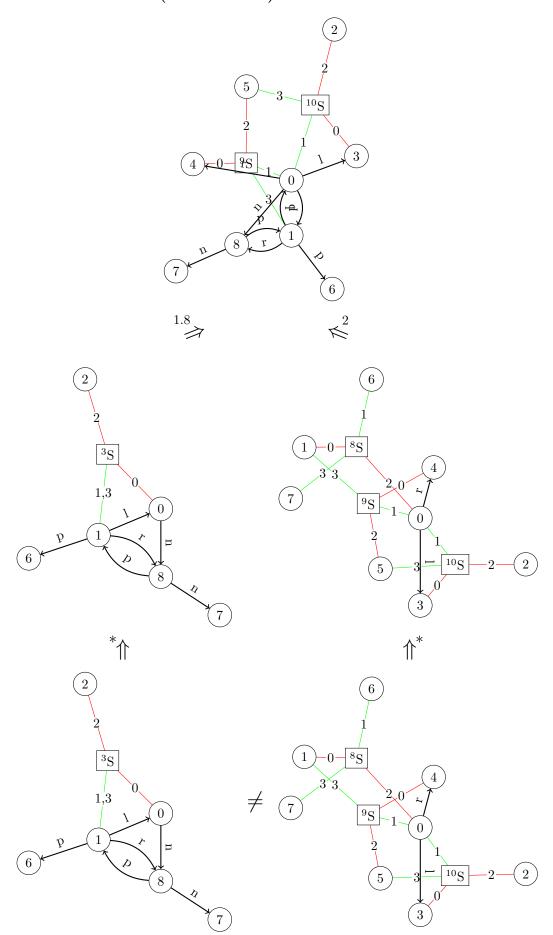
# 1.92 Critical Pair (Not Joinable)



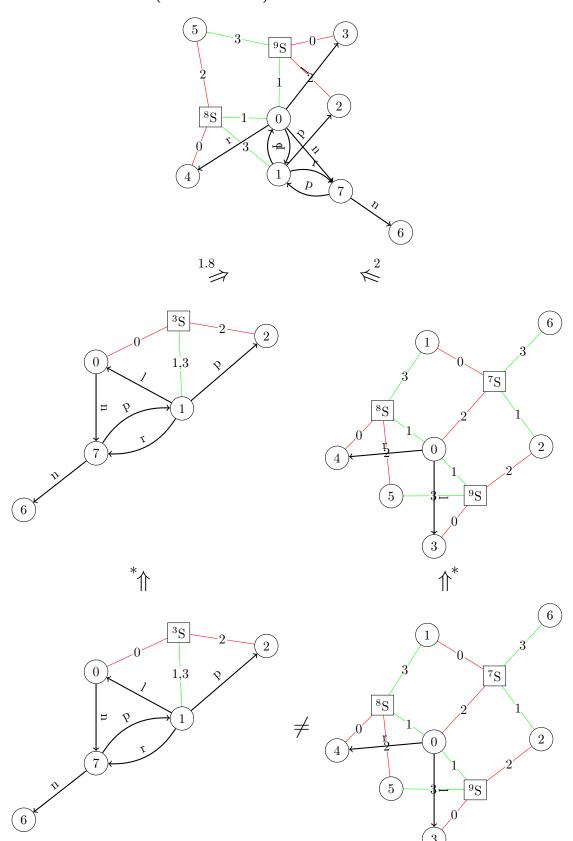
## 1.93 Critical Pair (Strongly Joinable)



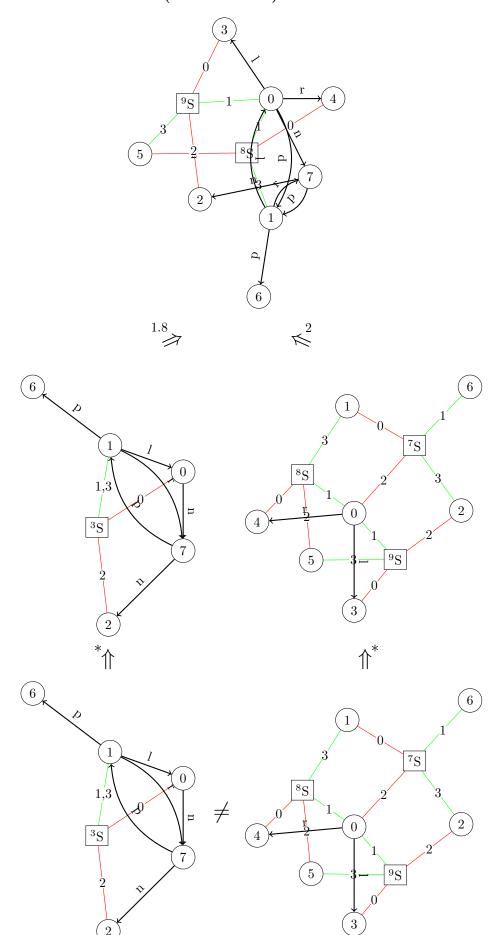
## 1.94 Critical Pair (Not Joinable)



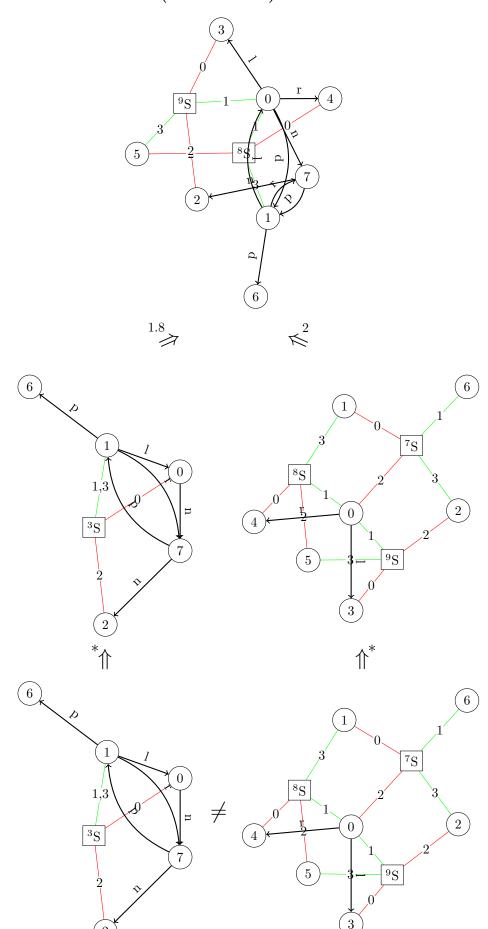
## 1.95 Critical Pair (Not Joinable)



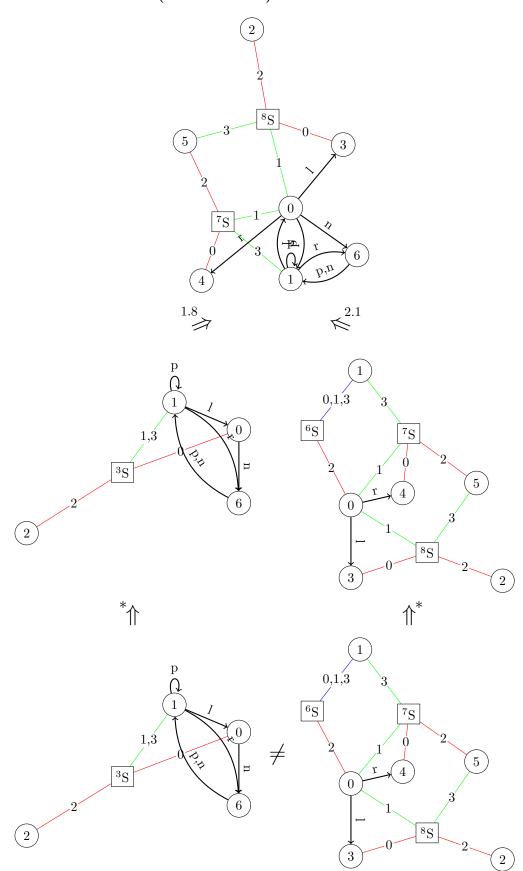
## 1.96 Critical Pair (Not Joinable)



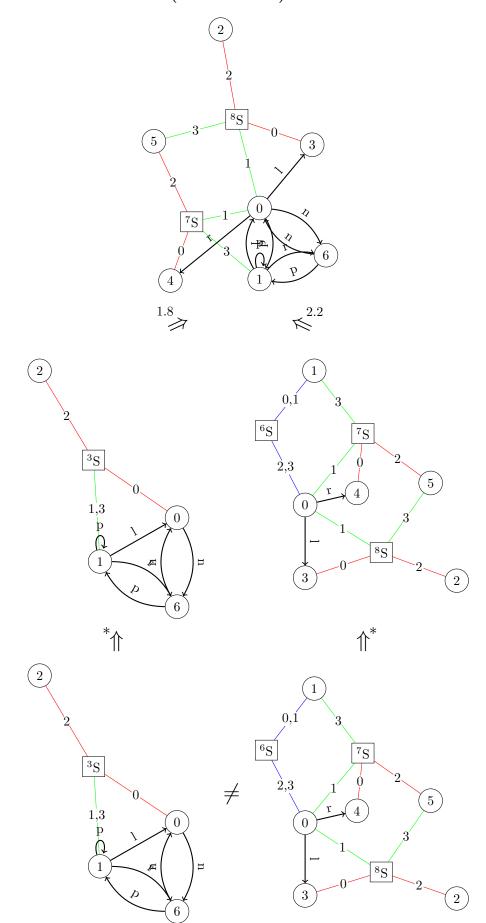
## 1.97 Critical Pair (Not Joinable)



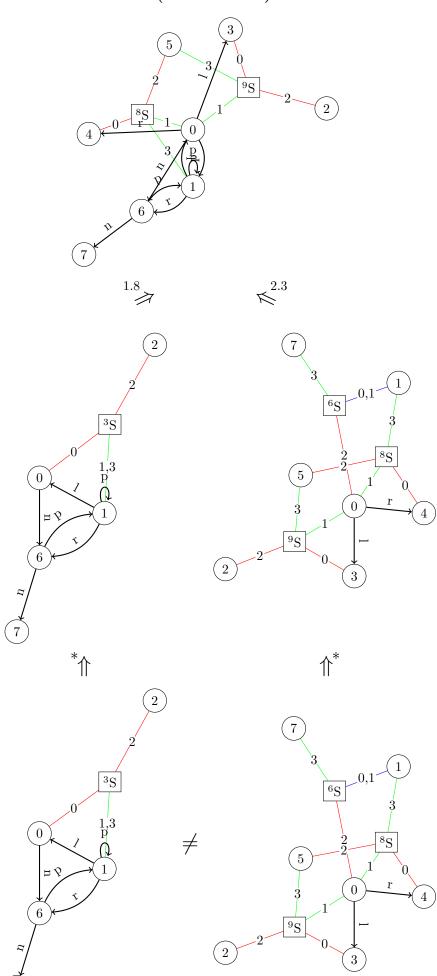
## 1.98 Critical Pair (Not Joinable)



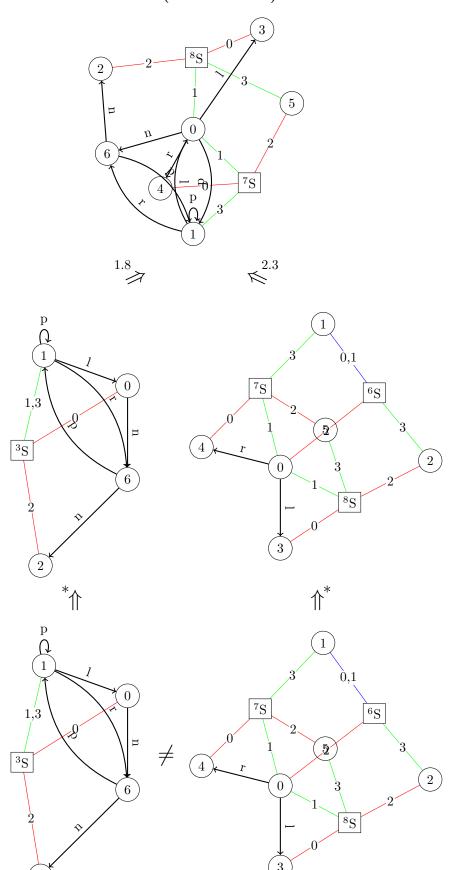
## 1.99 Critical Pair (Not Joinable)



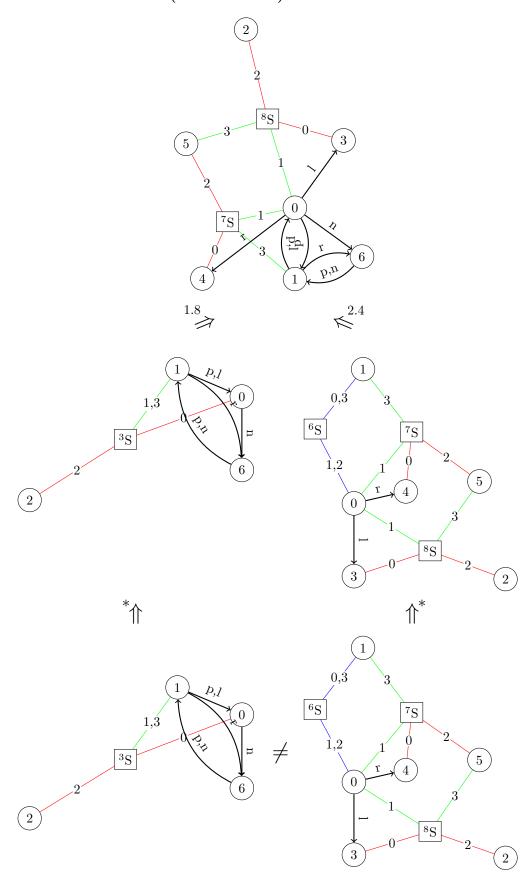
# 1.100 Critical Pair (Not Joinable)



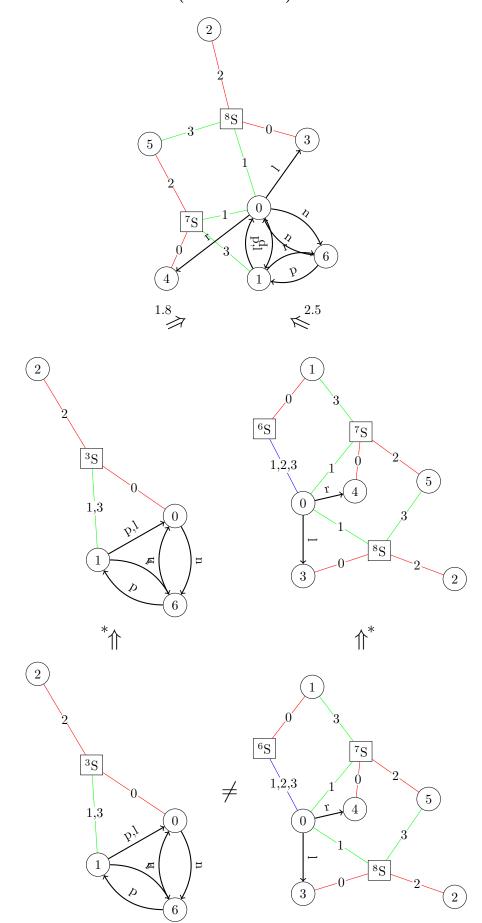
# 1.101 Critical Pair (Not Joinable)



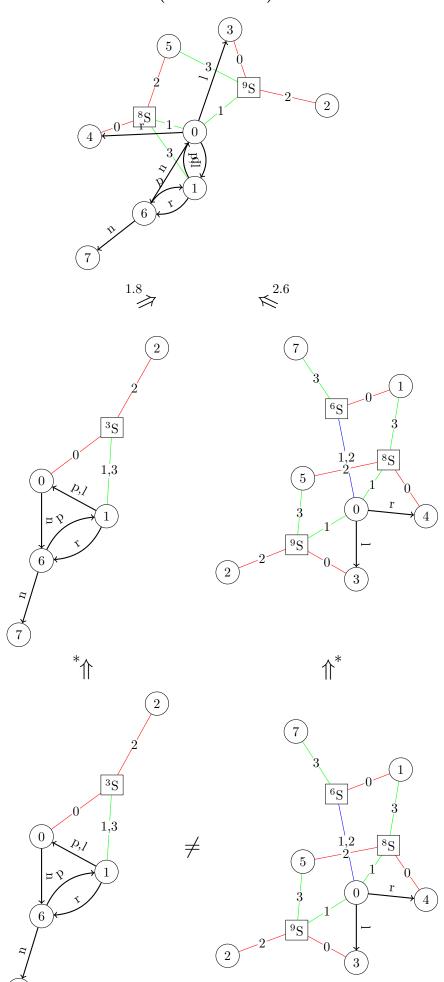
# 1.102 Critical Pair (Not Joinable)



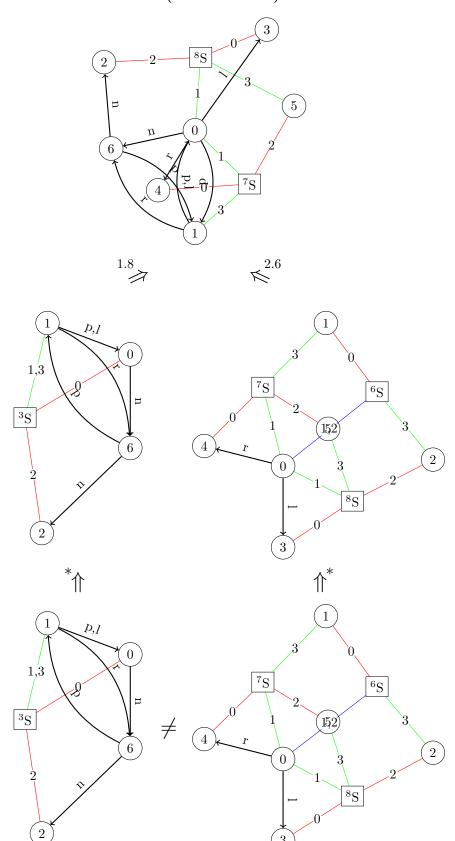
# 1.103 Critical Pair (Not Joinable)



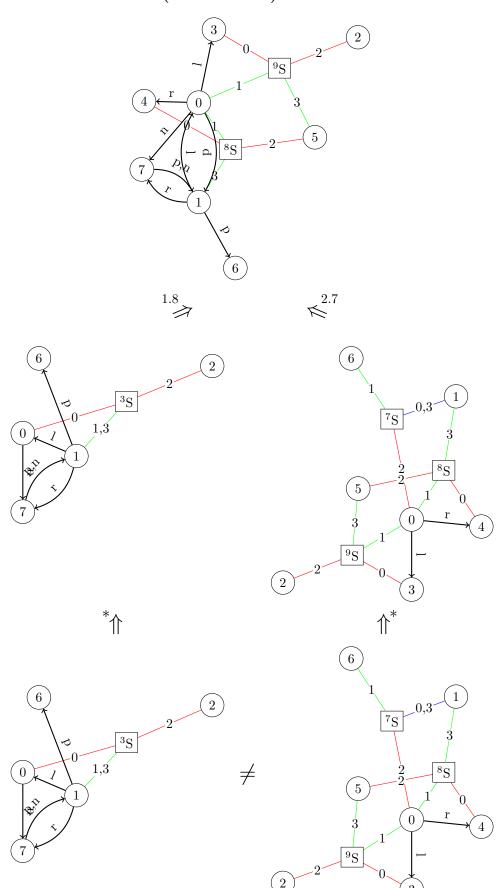
# 1.104 Critical Pair (Not Joinable)



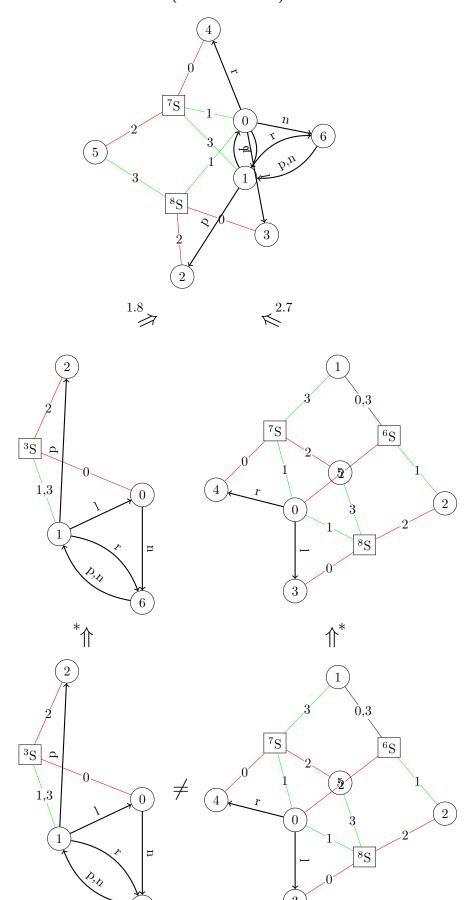
# 1.105 Critical Pair (Not Joinable)



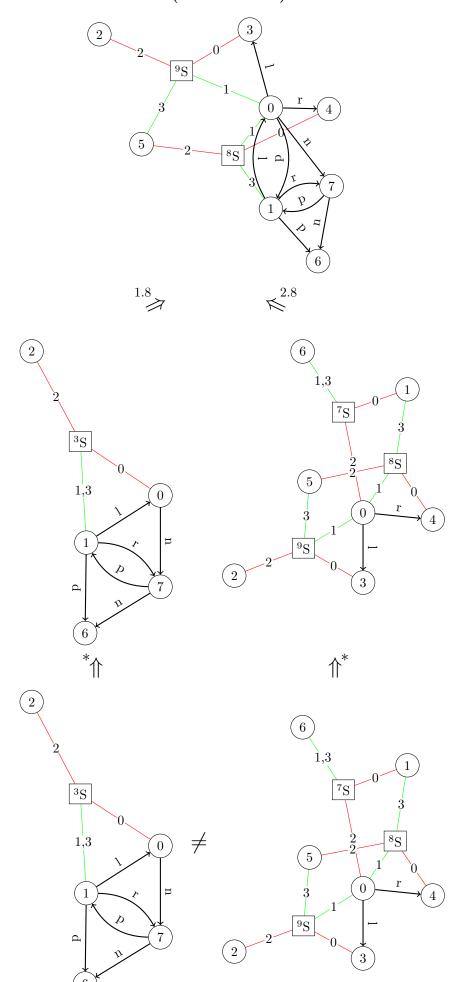
# 1.106 Critical Pair (Not Joinable)



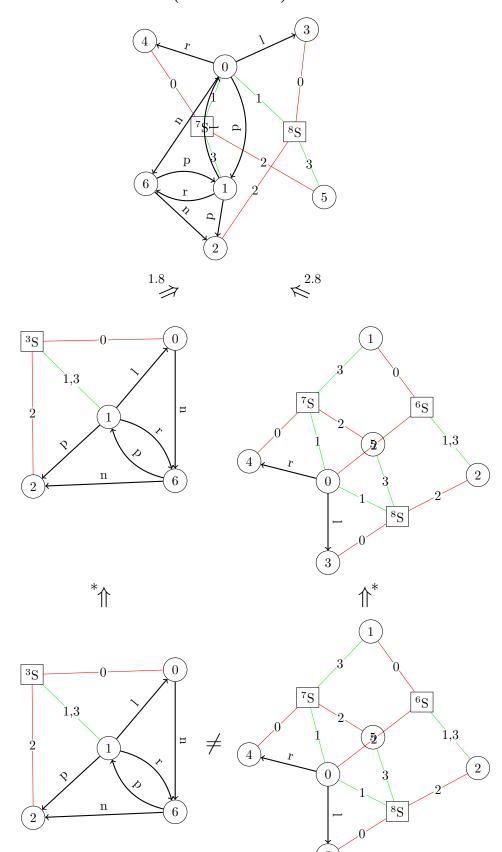
# 1.107 Critical Pair (Not Joinable)



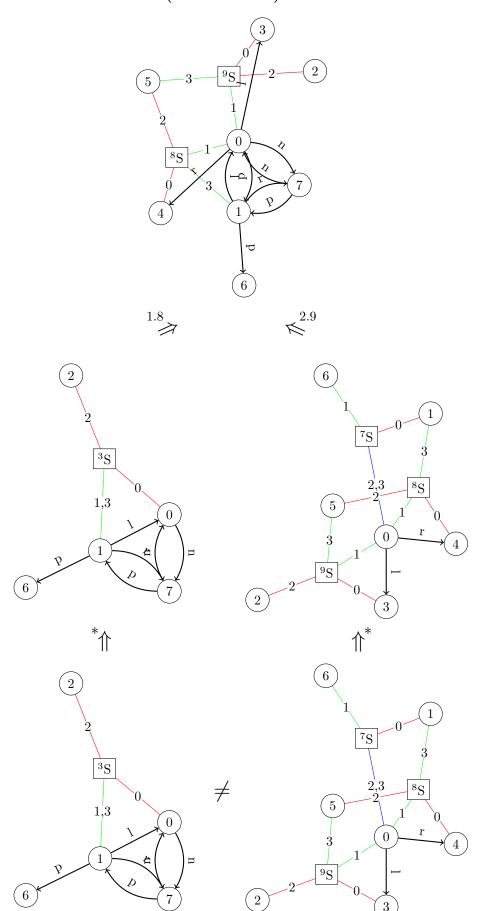
# 1.108 Critical Pair (Not Joinable)



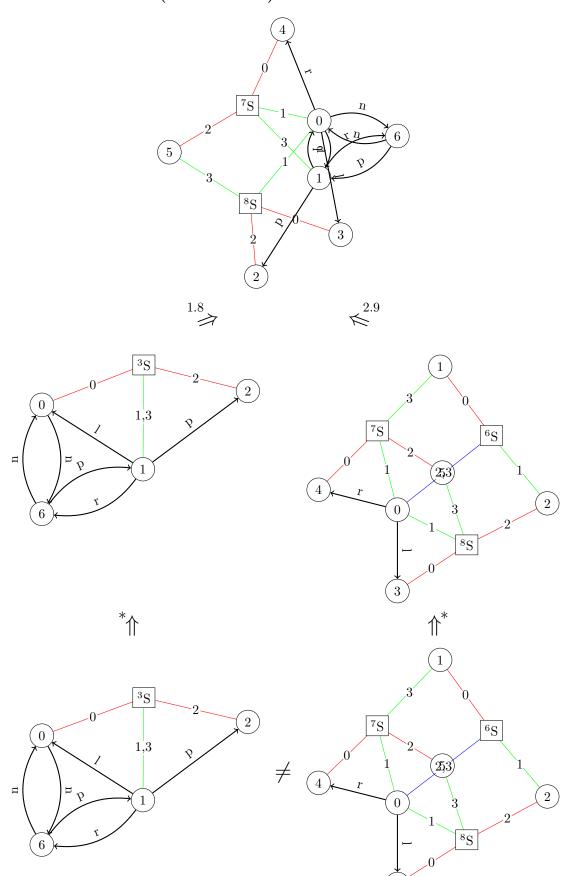
## 1.109 Critical Pair (Not Joinable)



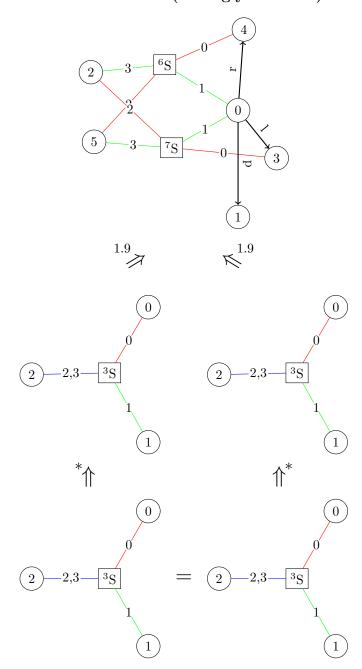
# 1.110 Critical Pair (Not Joinable)



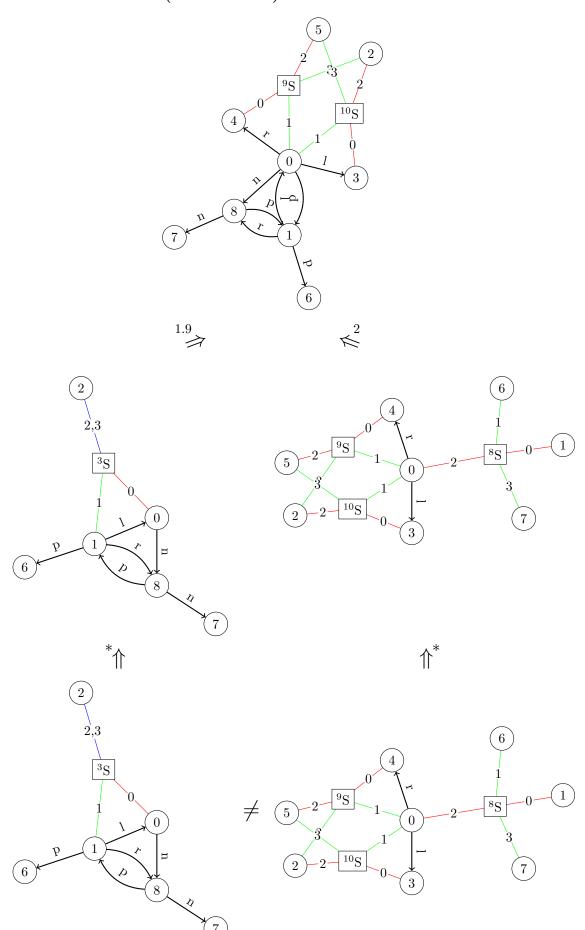
# 1.111 Critical Pair (Not Joinable)



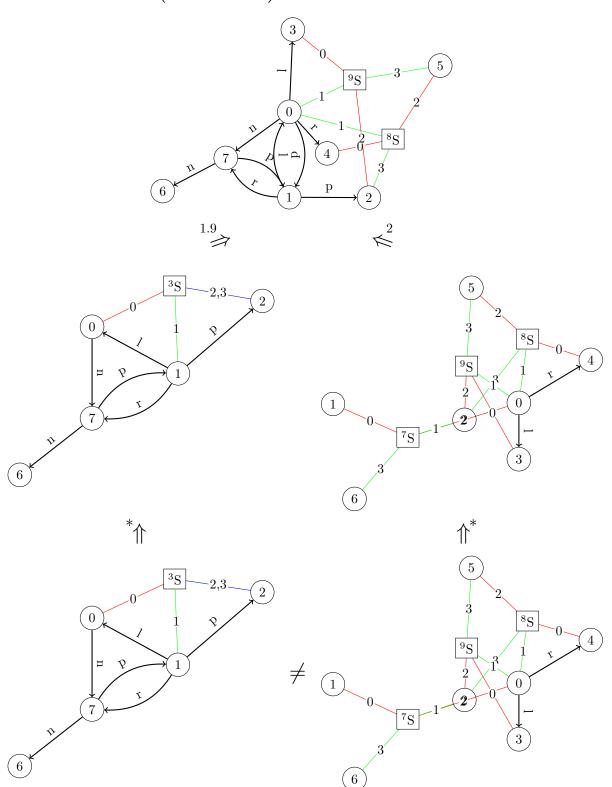
## 1.112 Critical Pair (Strongly Joinable)



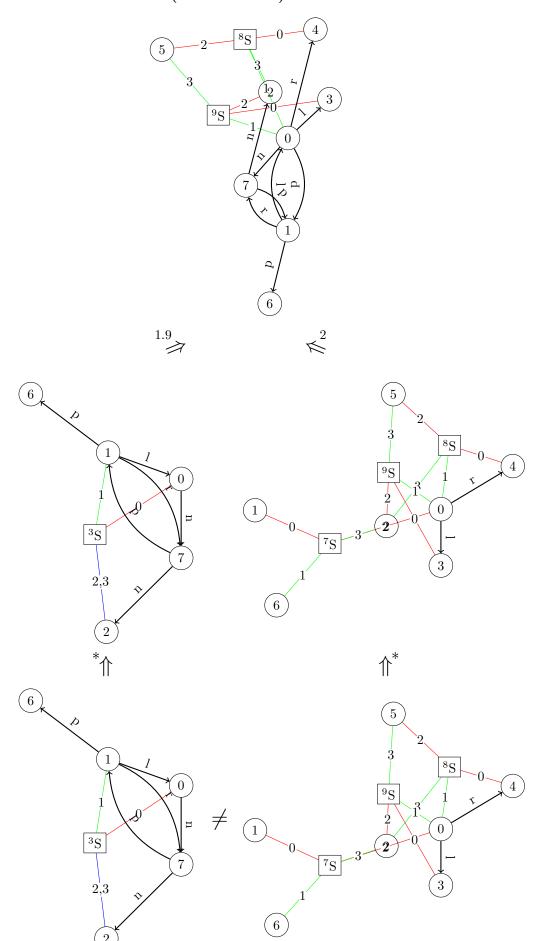
# 1.113 Critical Pair (Not Joinable)



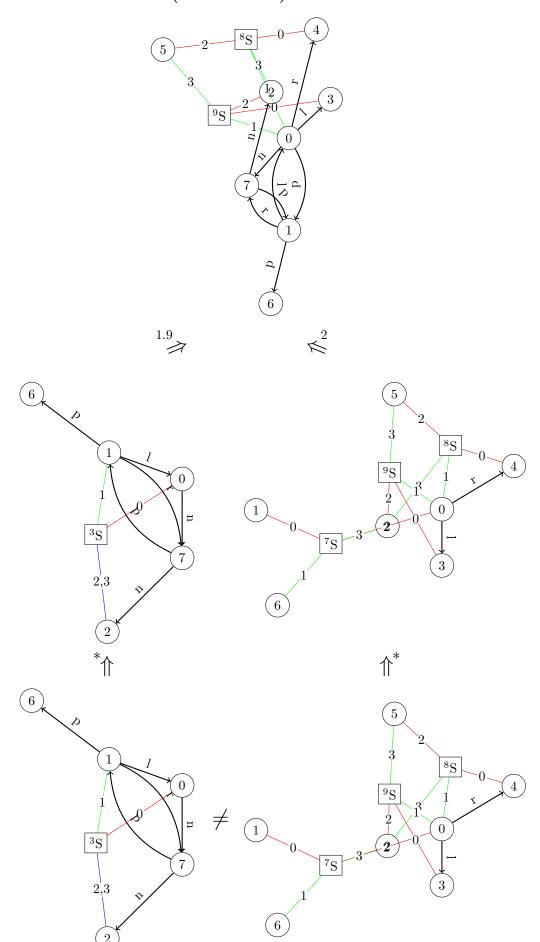
# 1.114 Critical Pair (Not Joinable)



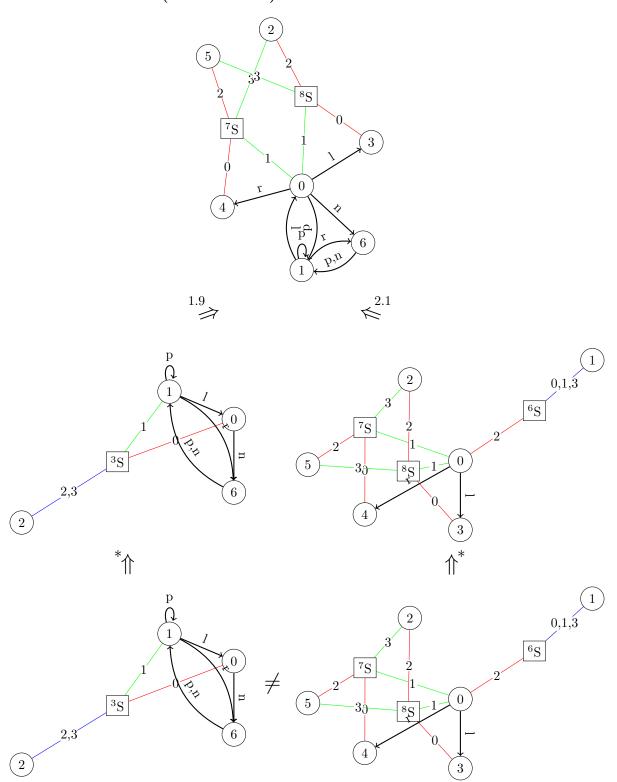
## 1.115 Critical Pair (Not Joinable)



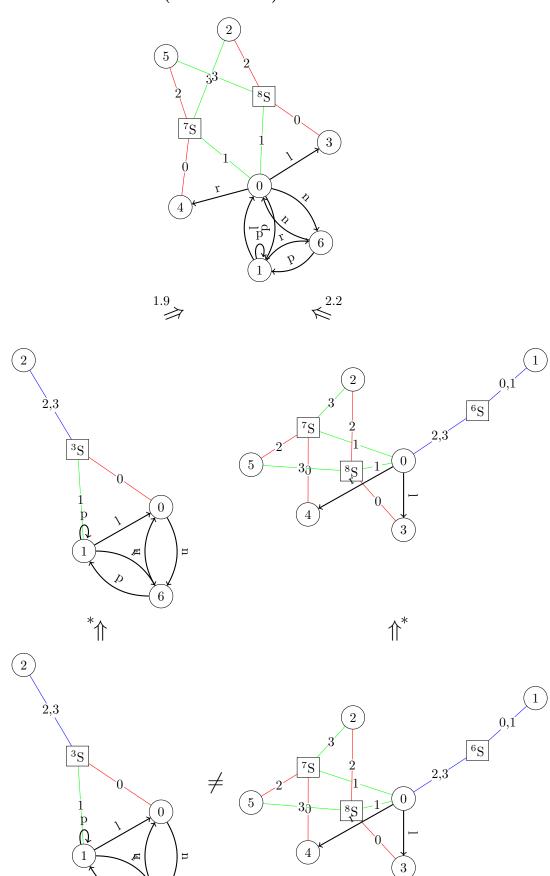
## 1.116 Critical Pair (Not Joinable)



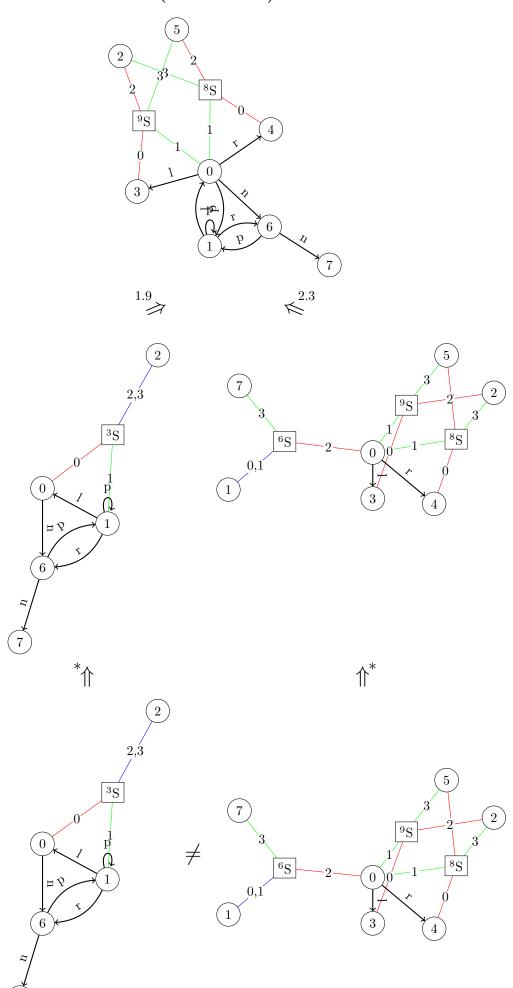
## 1.117 Critical Pair (Not Joinable)



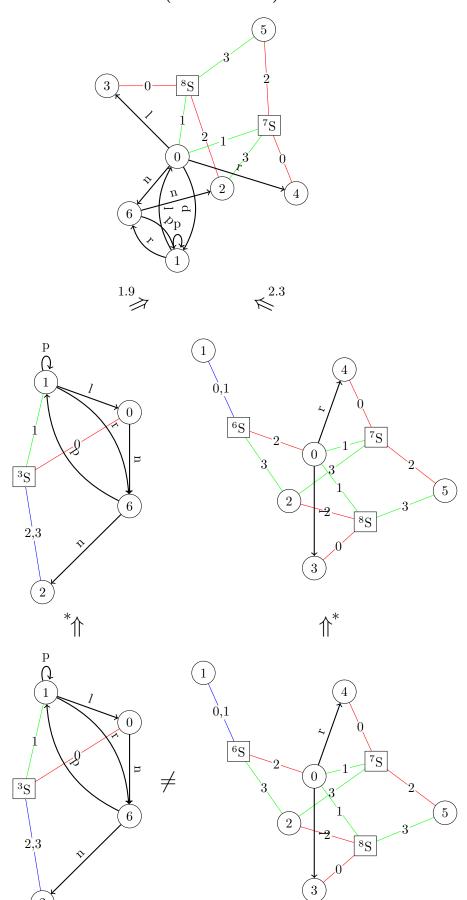
# 1.118 Critical Pair (Not Joinable)



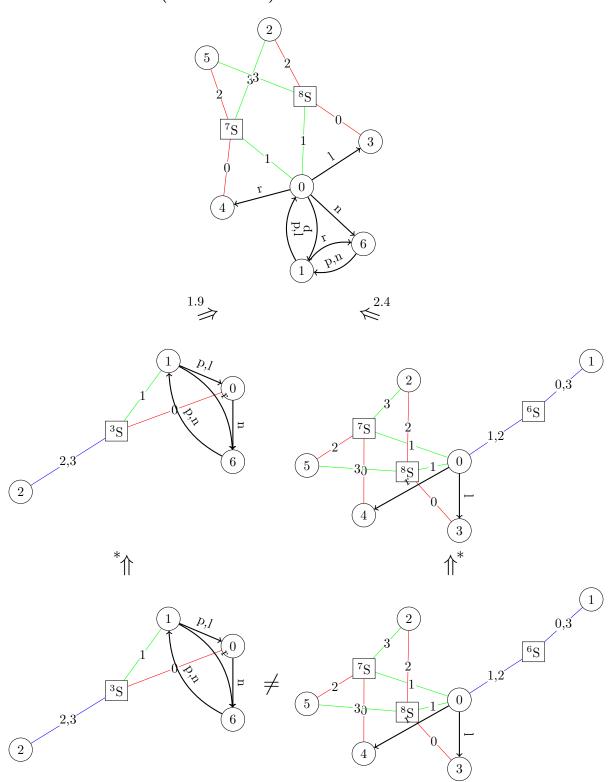
# 1.119 Critical Pair (Not Joinable)



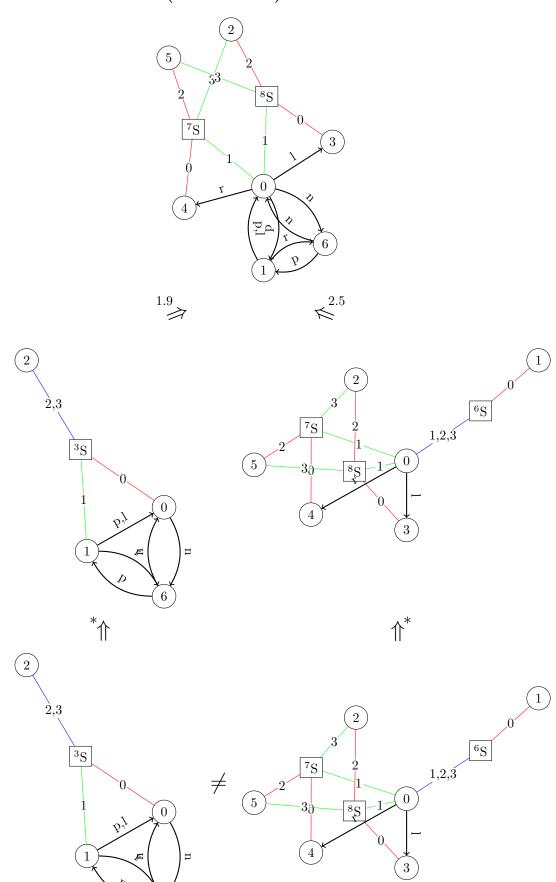
## 1.120 Critical Pair (Not Joinable)



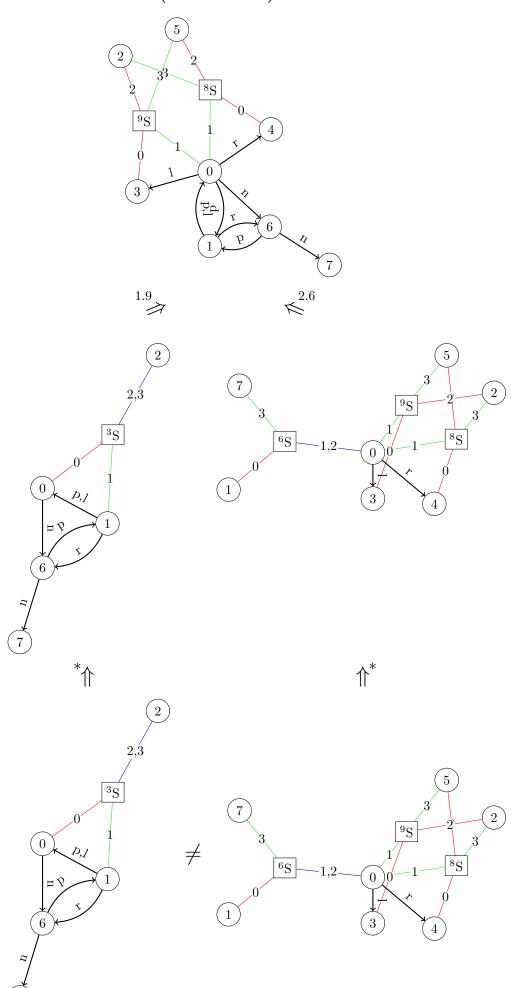
# 1.121 Critical Pair (Not Joinable)



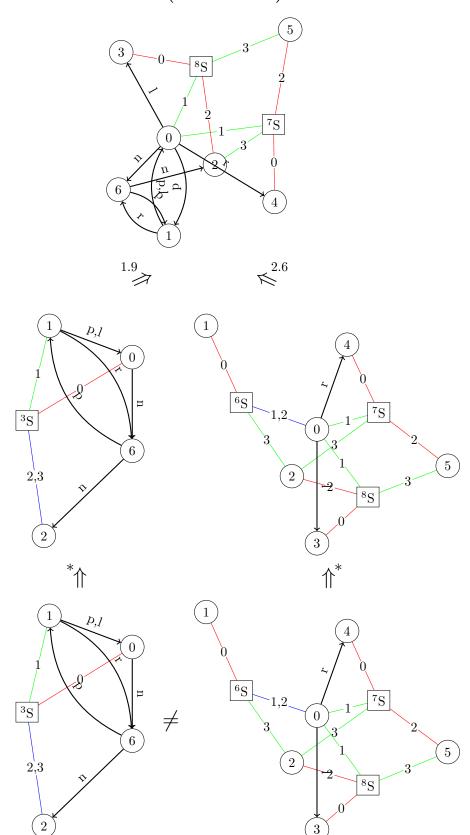
# 1.122 Critical Pair (Not Joinable)



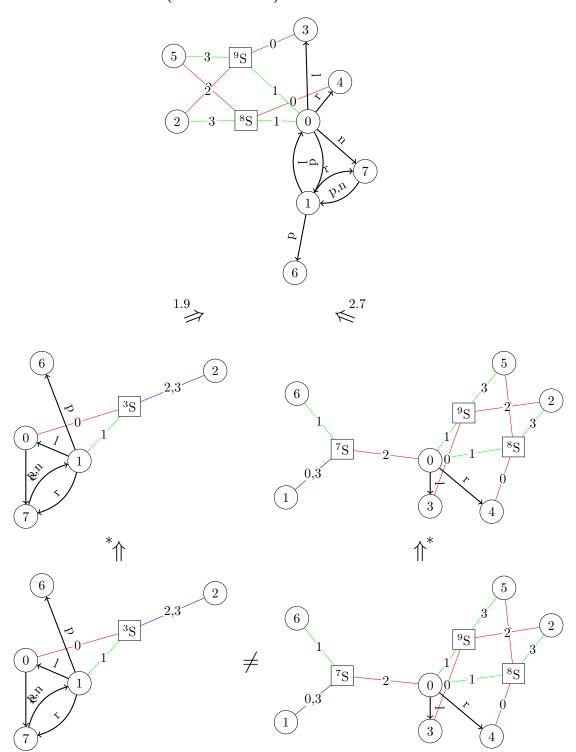
# 1.123 Critical Pair (Not Joinable)



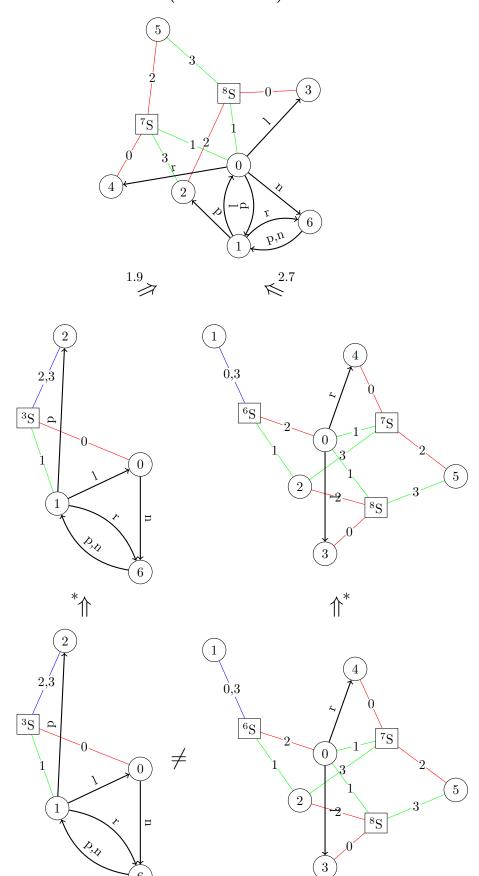
## 1.124 Critical Pair (Not Joinable)



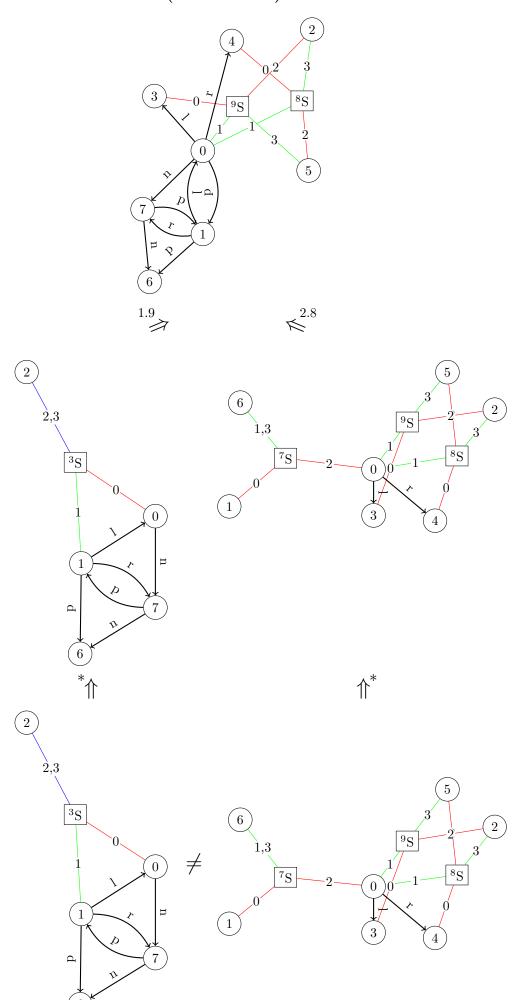
# 1.125 Critical Pair (Not Joinable)



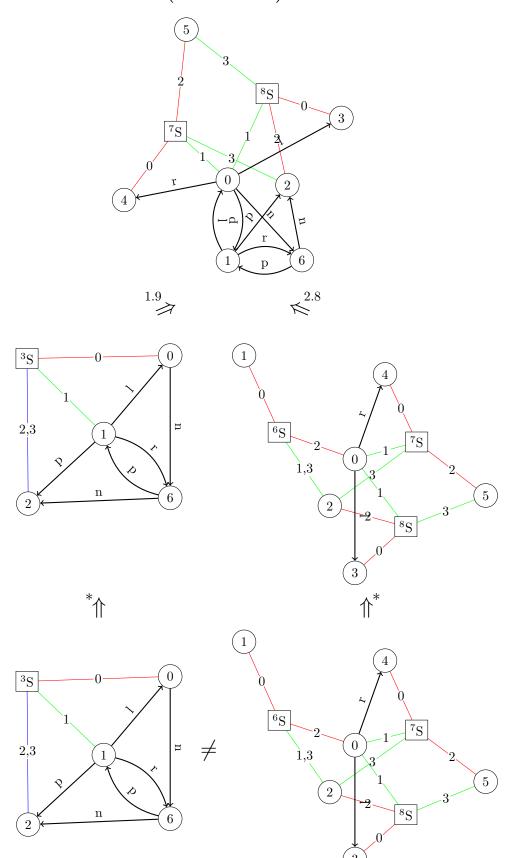
# 1.126 Critical Pair (Not Joinable)



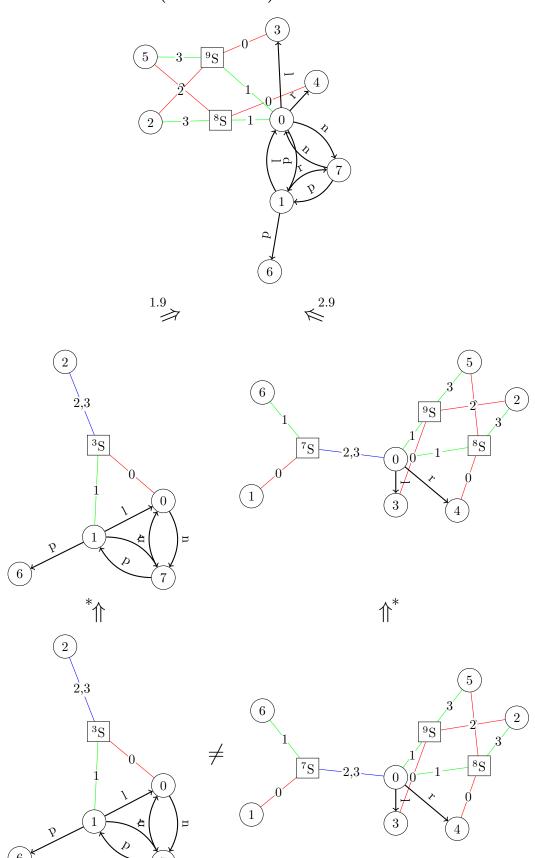
# 1.127 Critical Pair (Not Joinable)



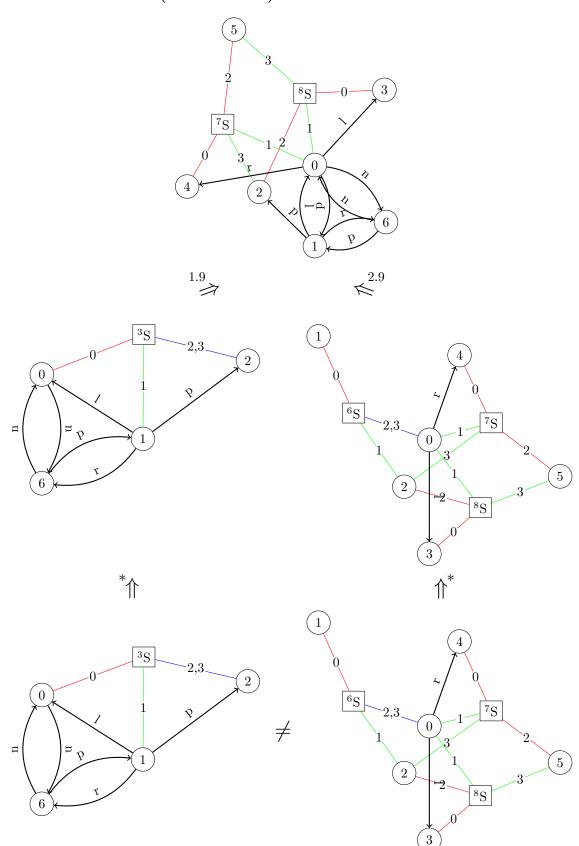
# 1.128 Critical Pair (Not Joinable)



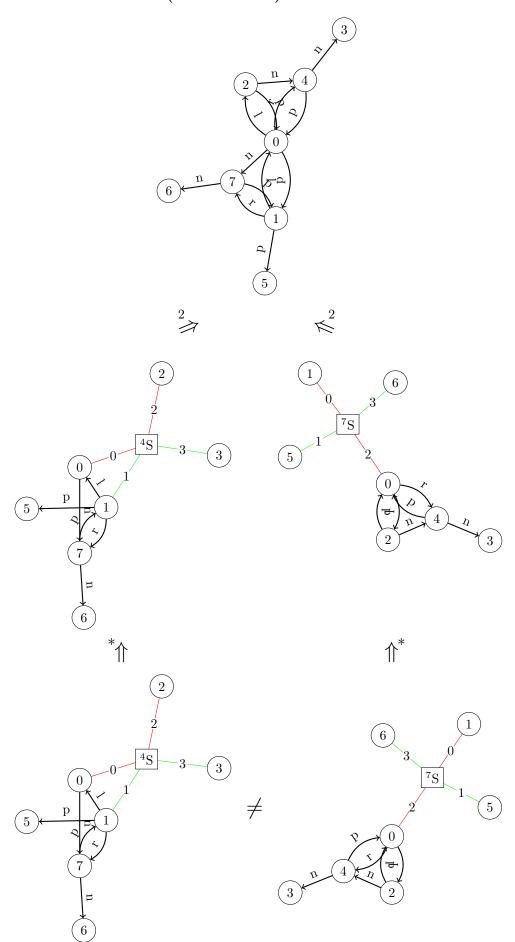
# 1.129 Critical Pair (Not Joinable)



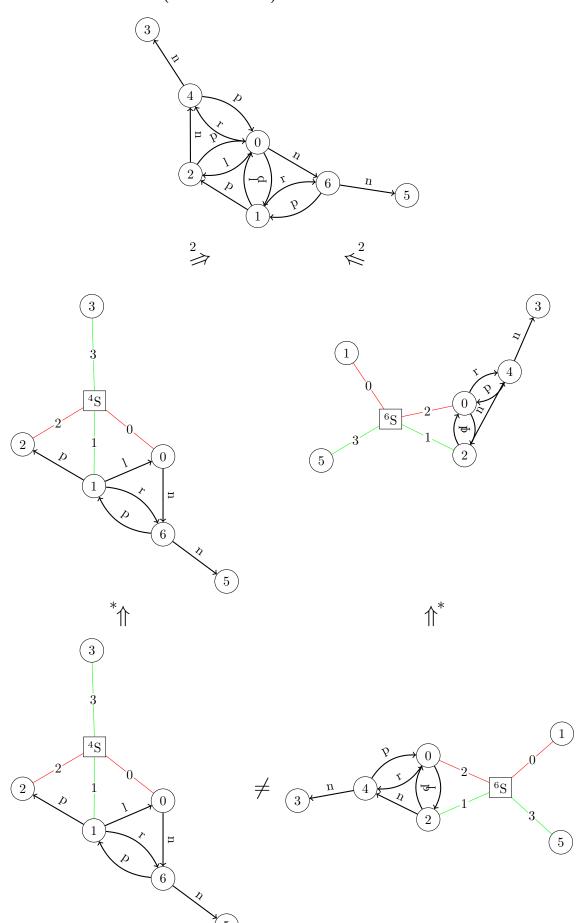
# 1.130 Critical Pair (Not Joinable)



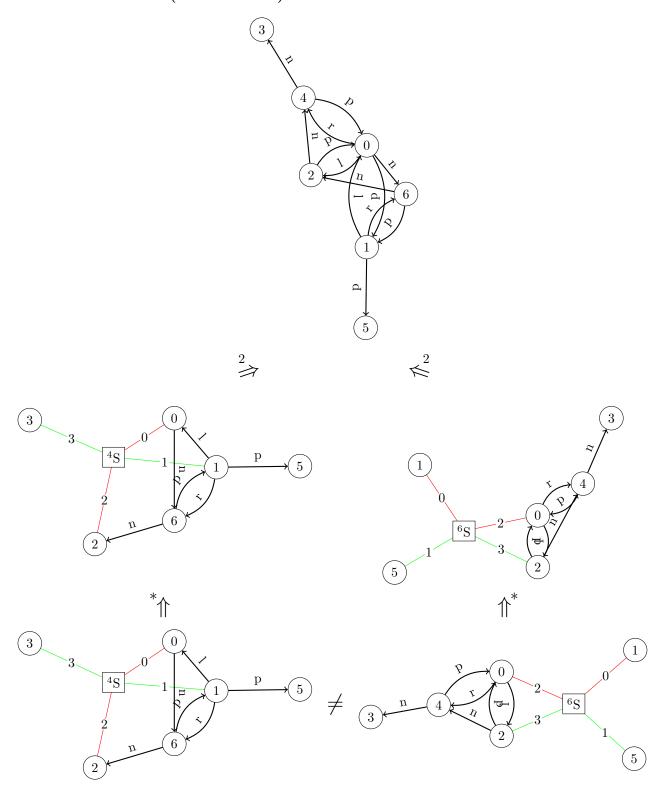
## 1.131 Critical Pair (Not Joinable)



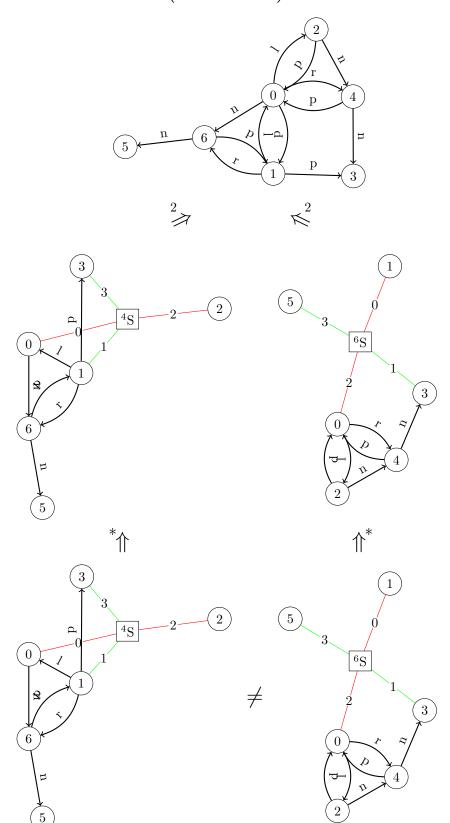
# 1.132 Critical Pair (Not Joinable)



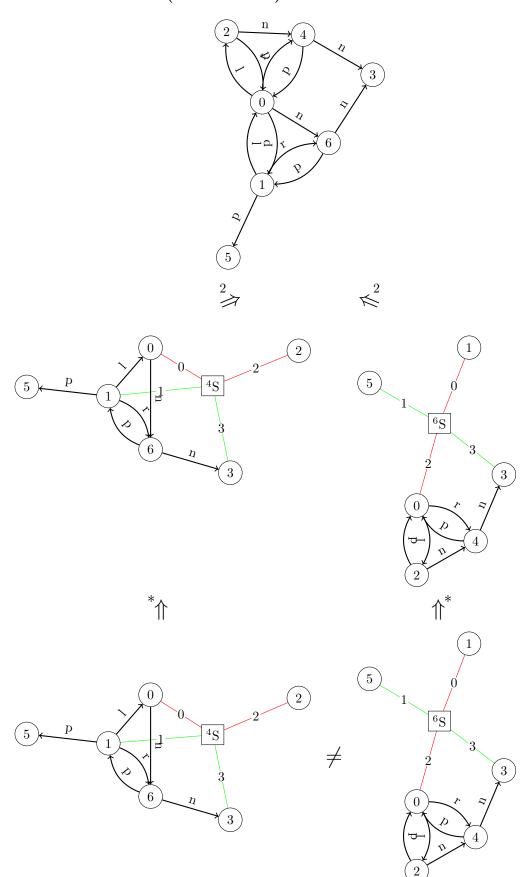
## 1.133 Critical Pair (Not Joinable)



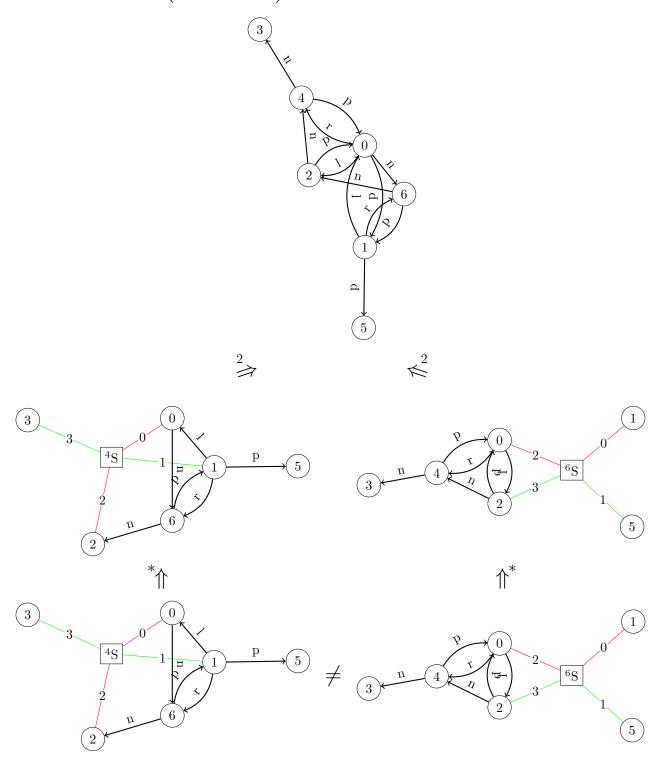
# 1.134 Critical Pair (Not Joinable)



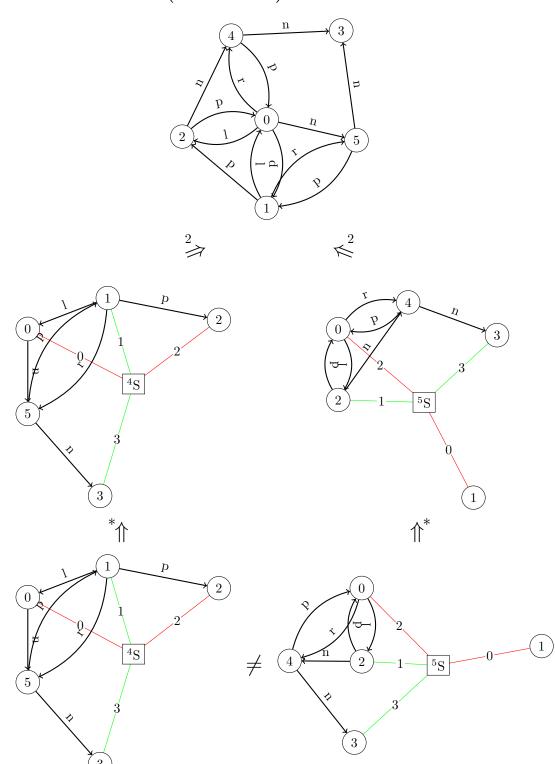
## 1.135 Critical Pair (Not Joinable)



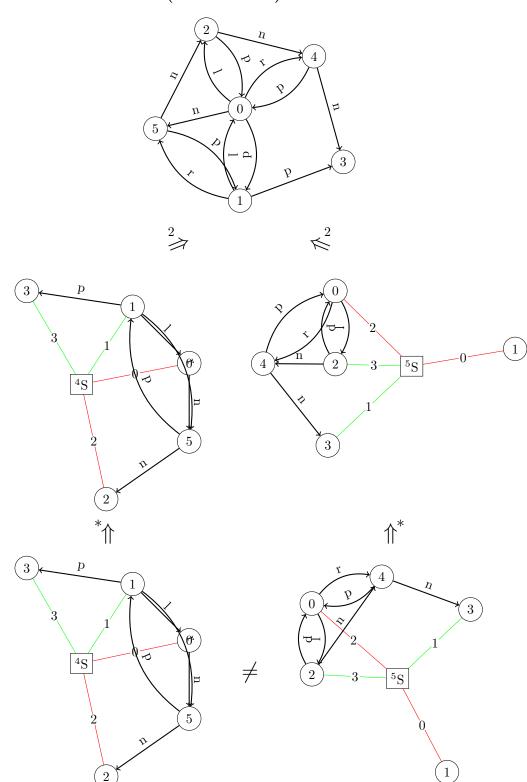
# 1.136 Critical Pair (Not Joinable)



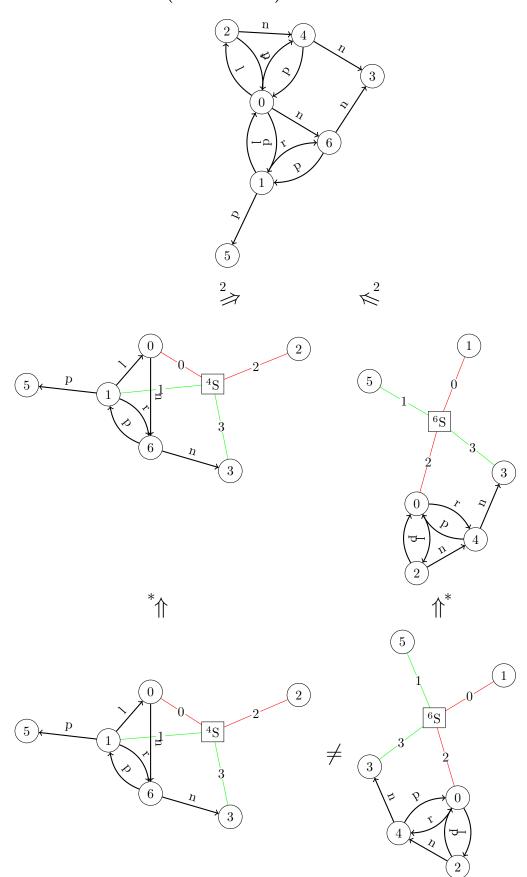
## 1.137 Critical Pair (Not Joinable)



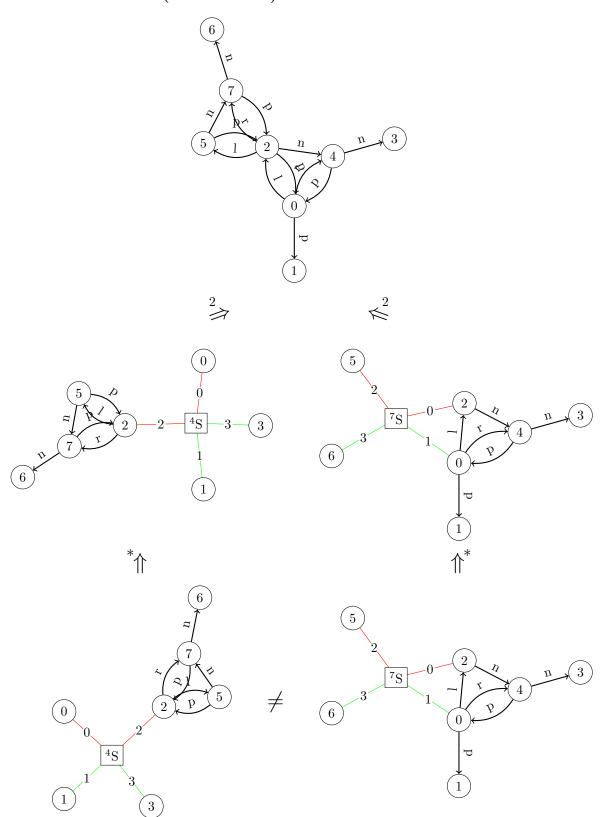
## 1.138 Critical Pair (Not Joinable)



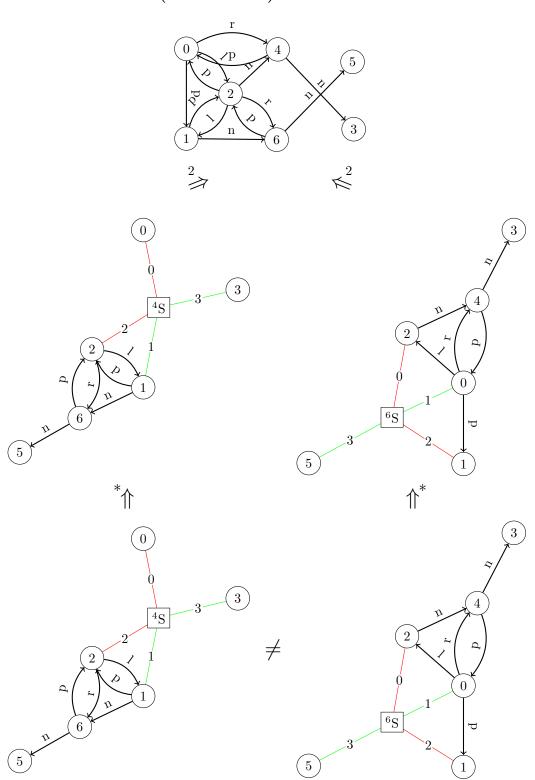
# 1.139 Critical Pair (Not Joinable)



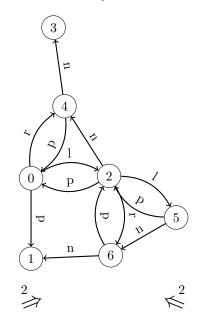
# 1.140 Critical Pair (Not Joinable)

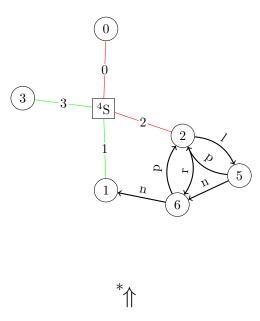


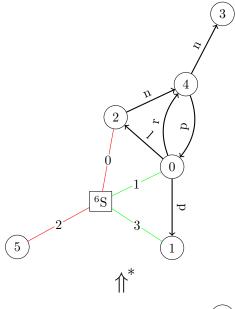
## 1.141 Critical Pair (Not Joinable)

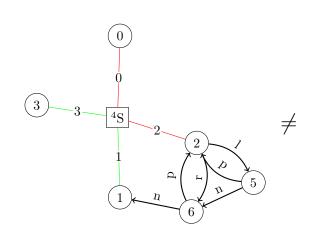


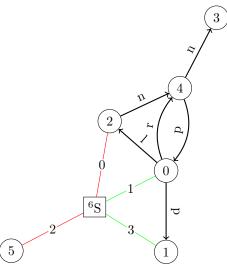
## 1.142 Critical Pair (Not Joinable)



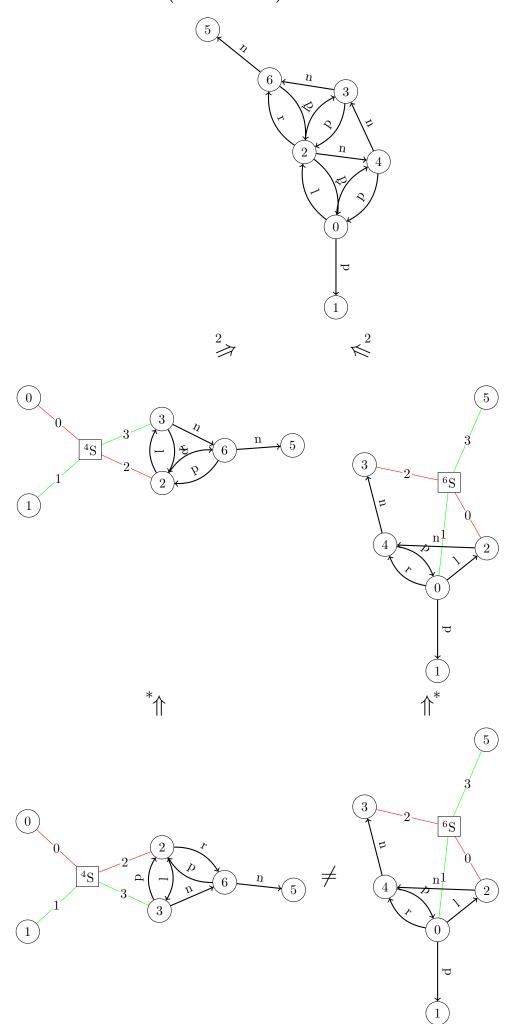




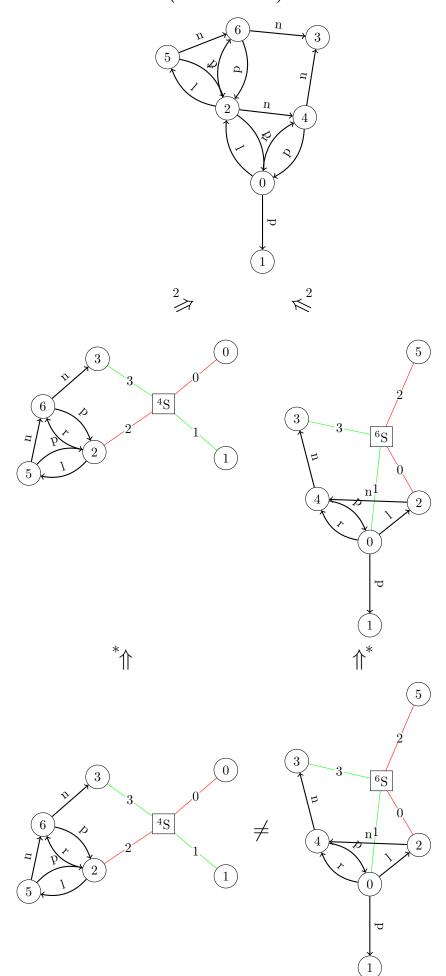




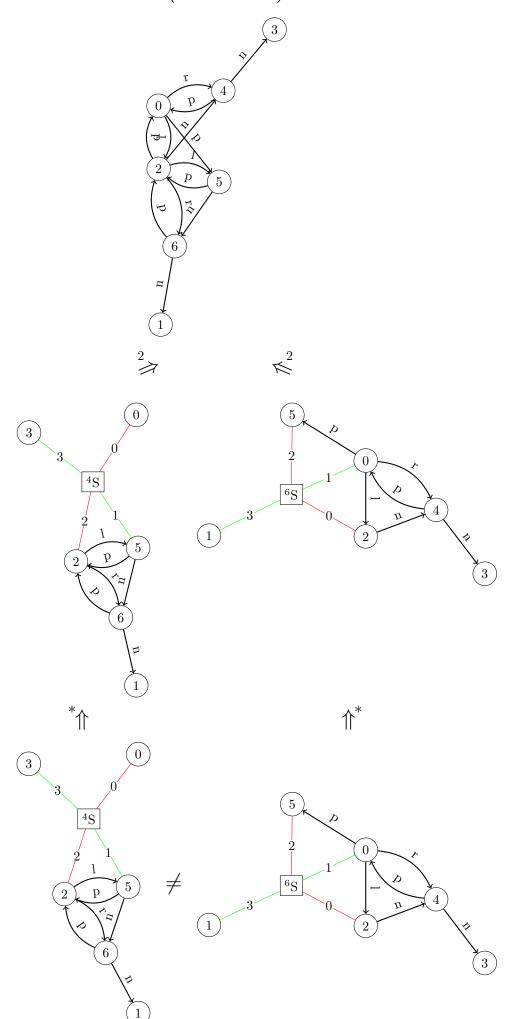
## 1.143 Critical Pair (Not Joinable)



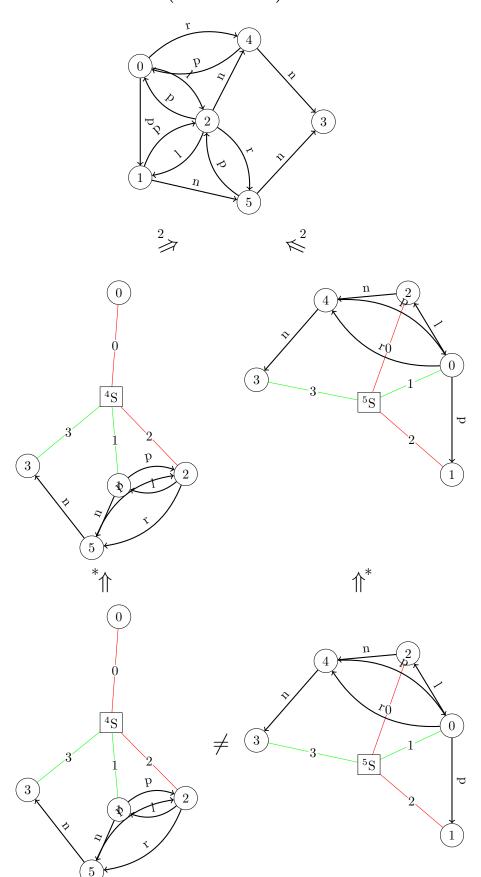
## 1.144 Critical Pair (Not Joinable)



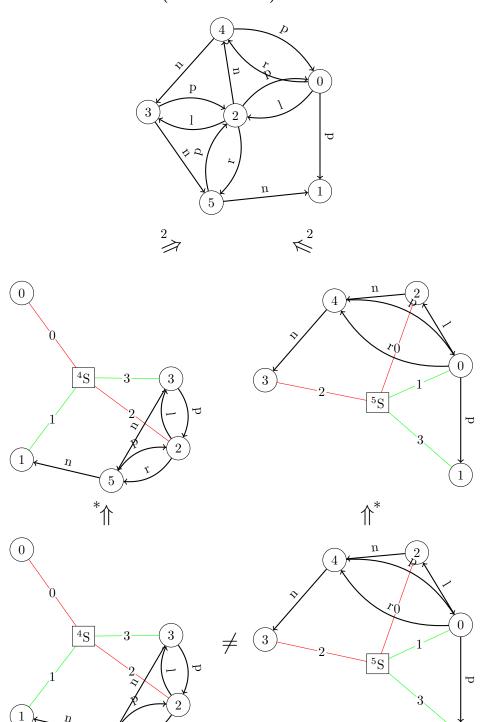
## 1.145 Critical Pair (Not Joinable)



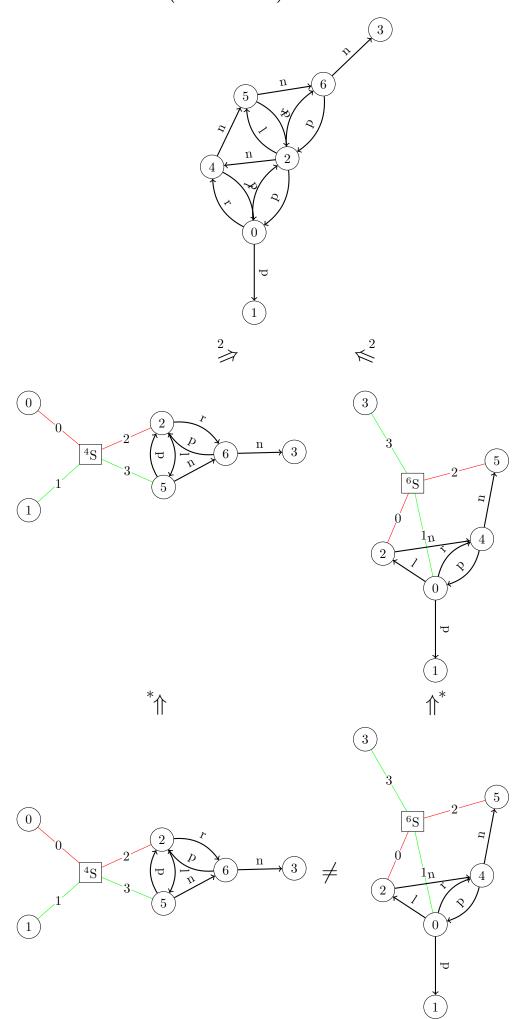
## 1.146 Critical Pair (Not Joinable)



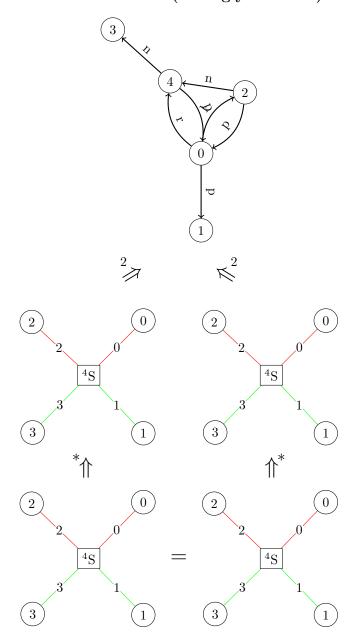
## 1.147 Critical Pair (Not Joinable)



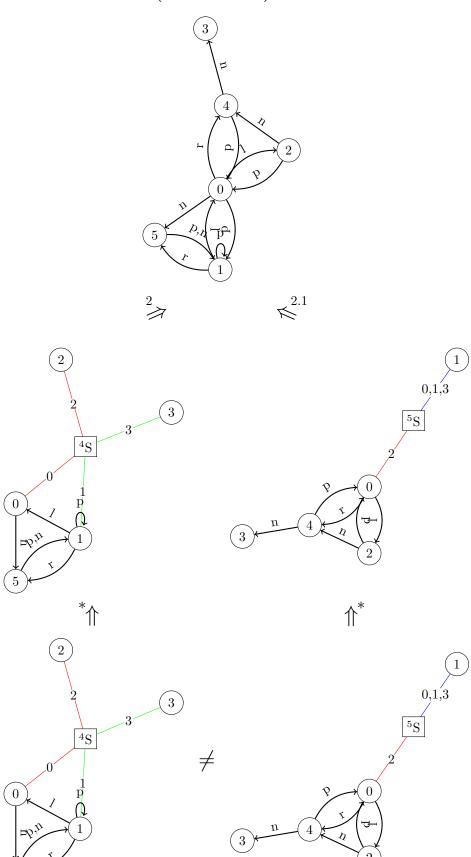
## 1.148 Critical Pair (Not Joinable)



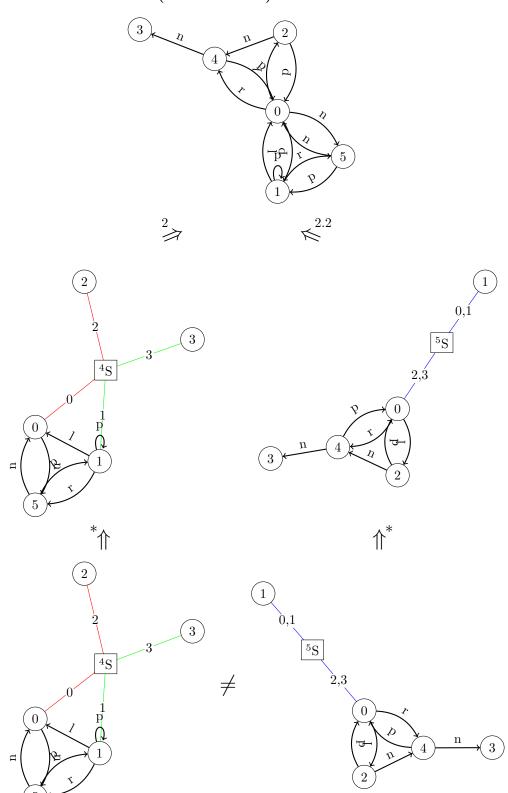
## 1.149 Critical Pair (Strongly Joinable)



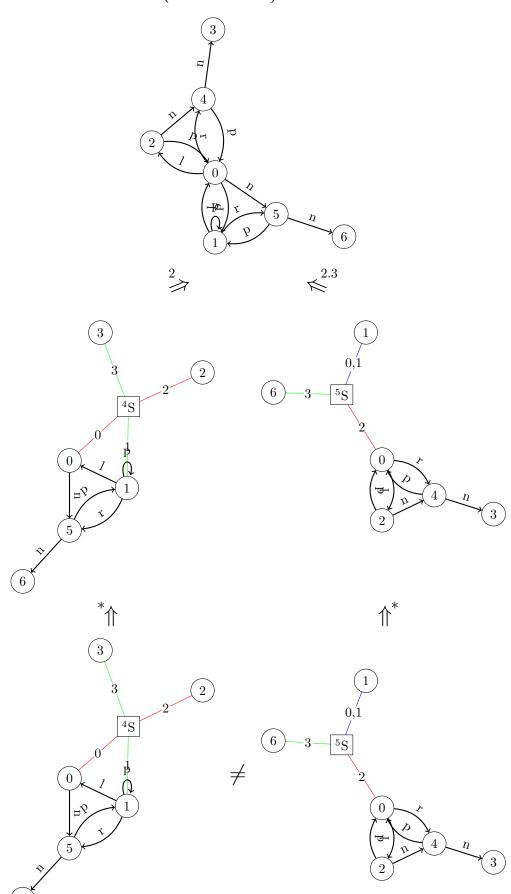
## 1.150 Critical Pair (Not Joinable)



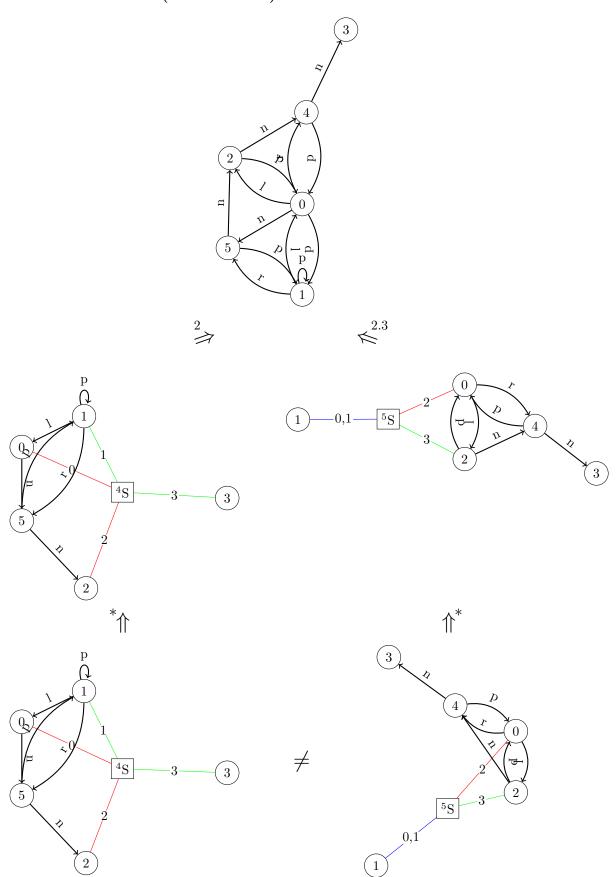
## 1.151 Critical Pair (Not Joinable)



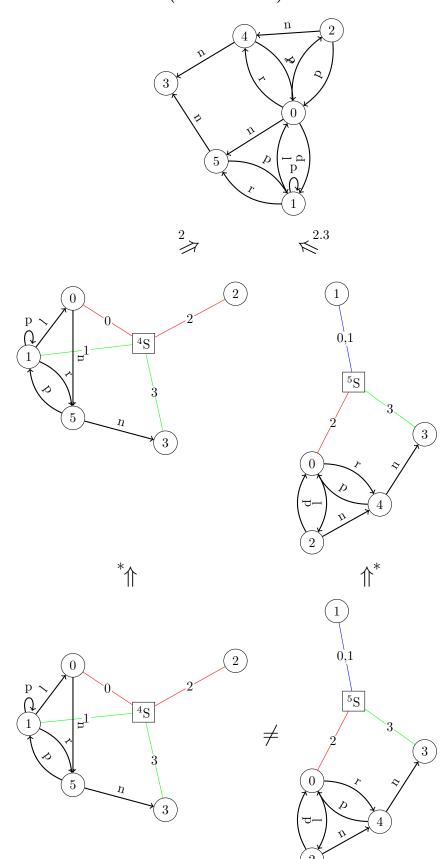
## 1.152 Critical Pair (Not Joinable)



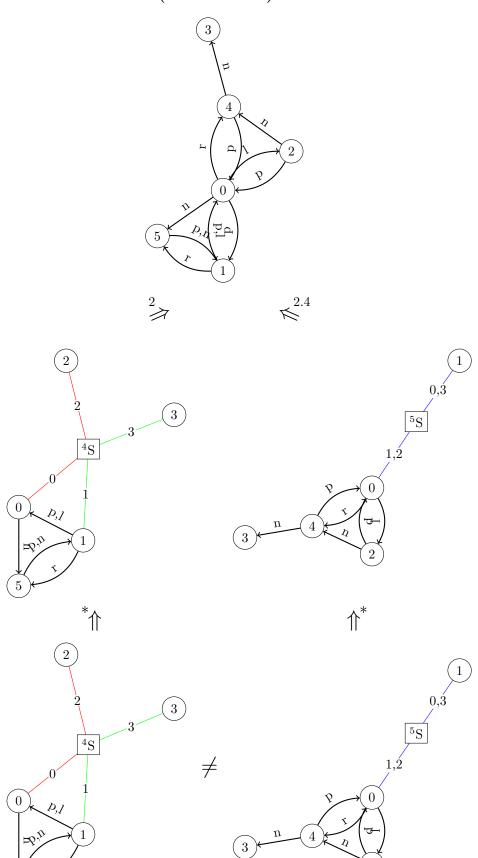
# 1.153 Critical Pair (Not Joinable)



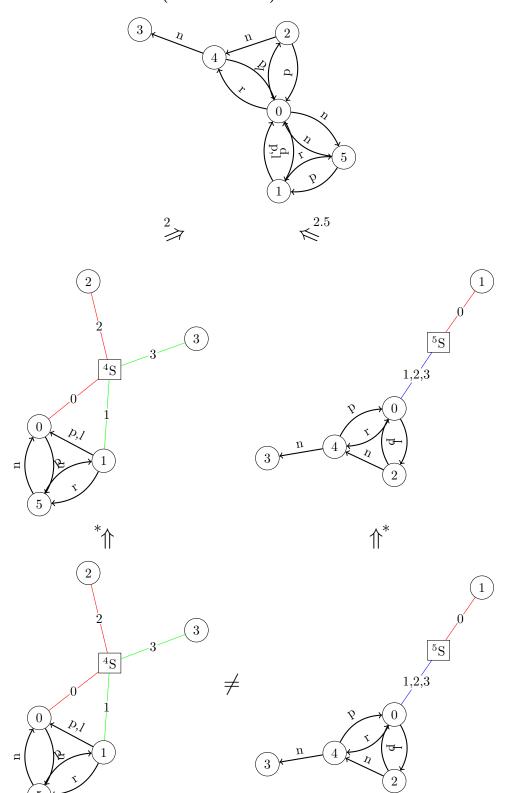
## 1.154 Critical Pair (Not Joinable)



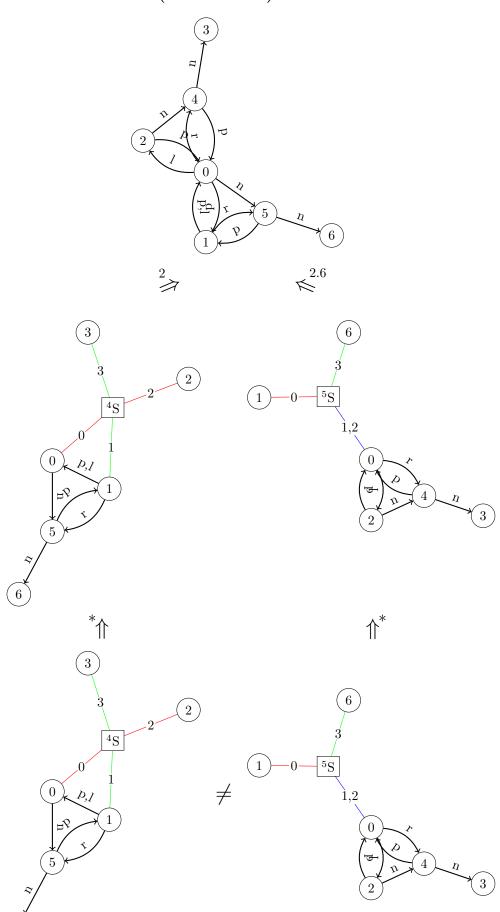
## 1.155 Critical Pair (Not Joinable)



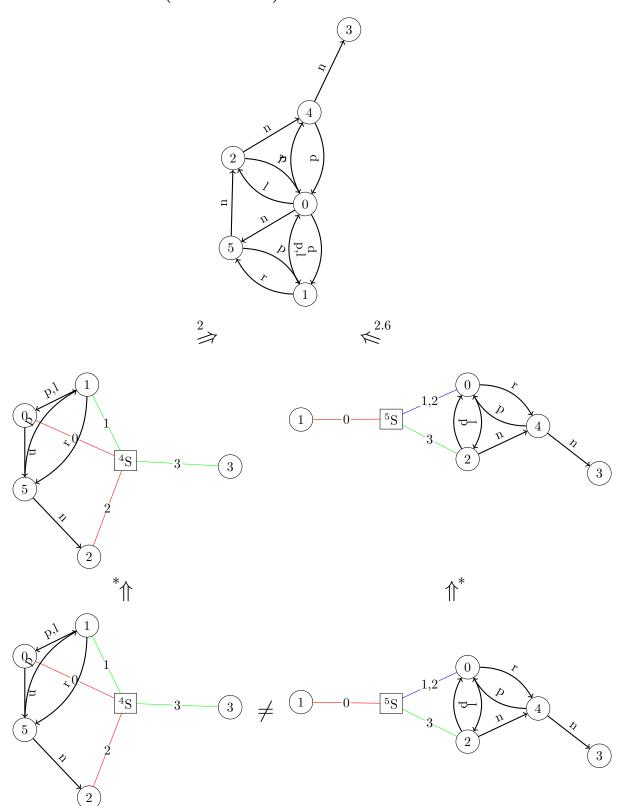
## 1.156 Critical Pair (Not Joinable)



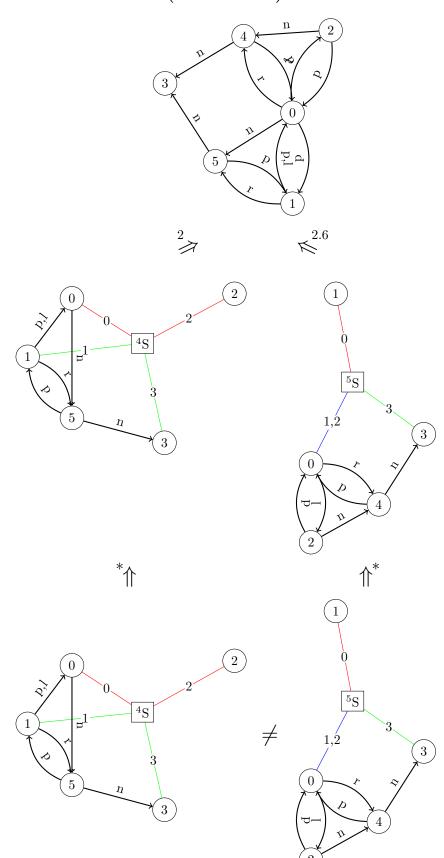
## 1.157 Critical Pair (Not Joinable)



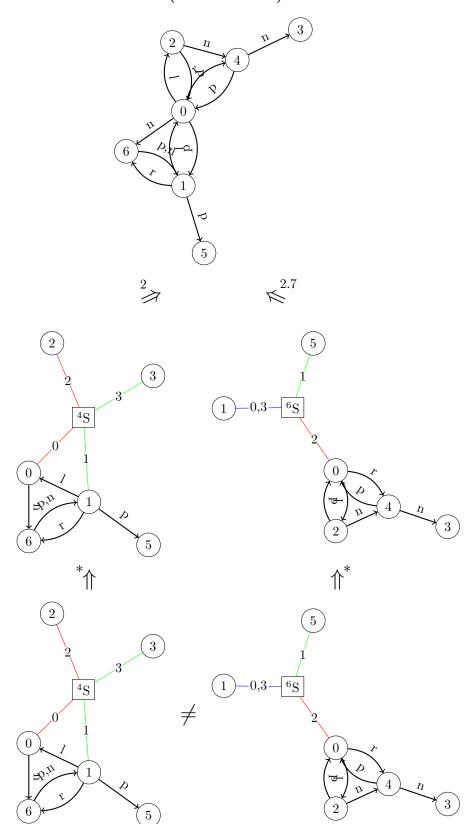
## 1.158 Critical Pair (Not Joinable)



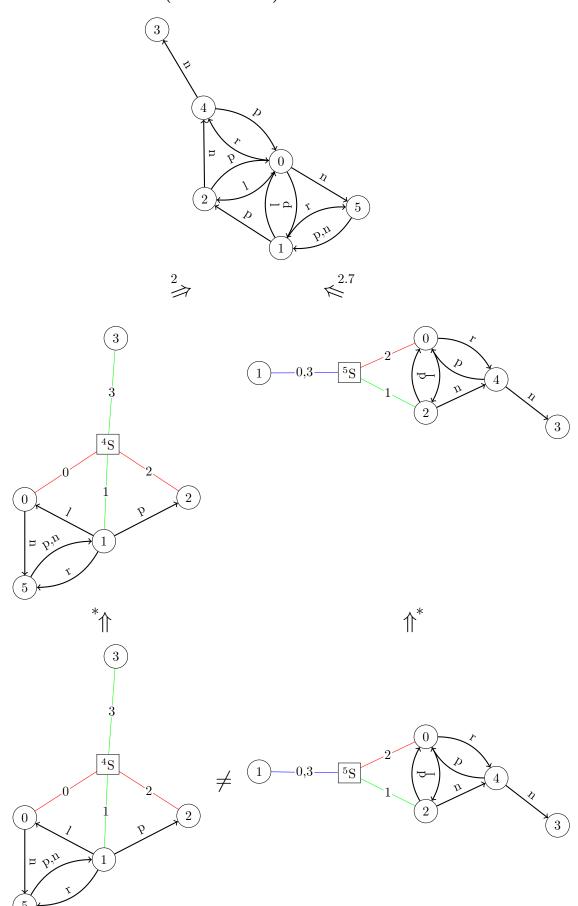
## 1.159 Critical Pair (Not Joinable)



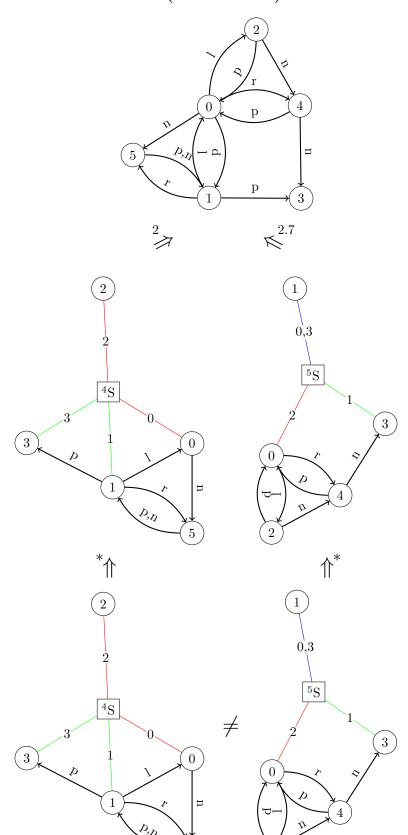
## 1.160 Critical Pair (Not Joinable)



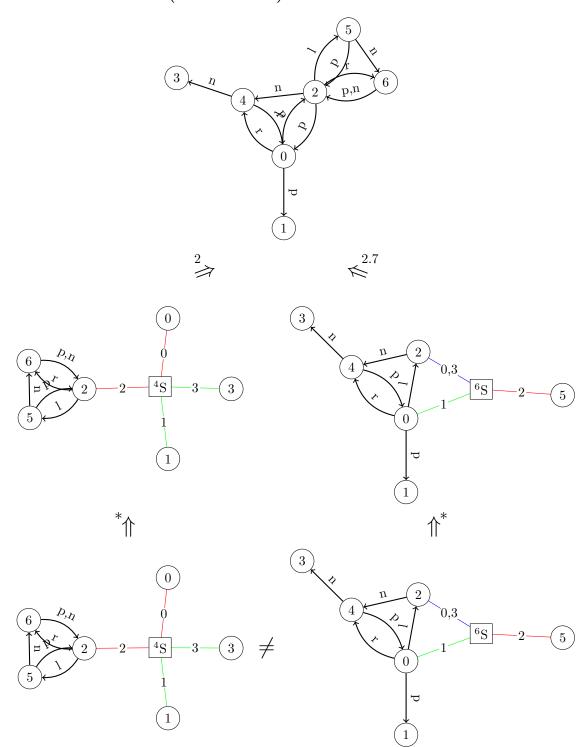
## 1.161 Critical Pair (Not Joinable)



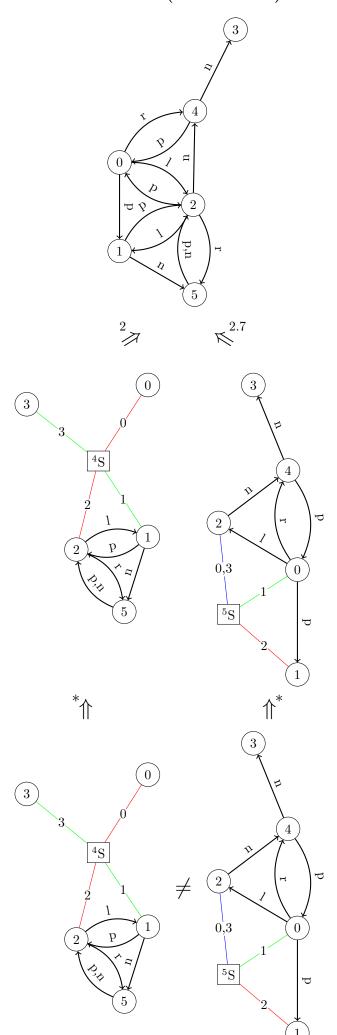
## 1.162 Critical Pair (Not Joinable)



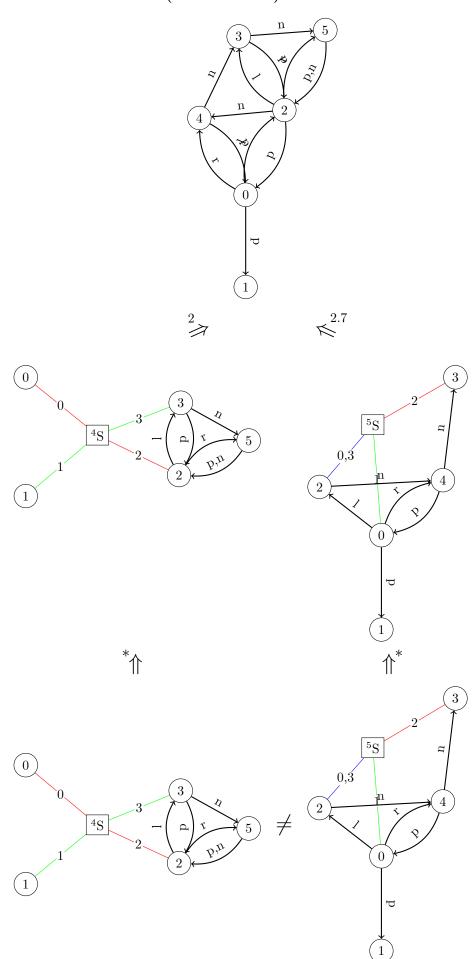
## 1.163 Critical Pair (Not Joinable)



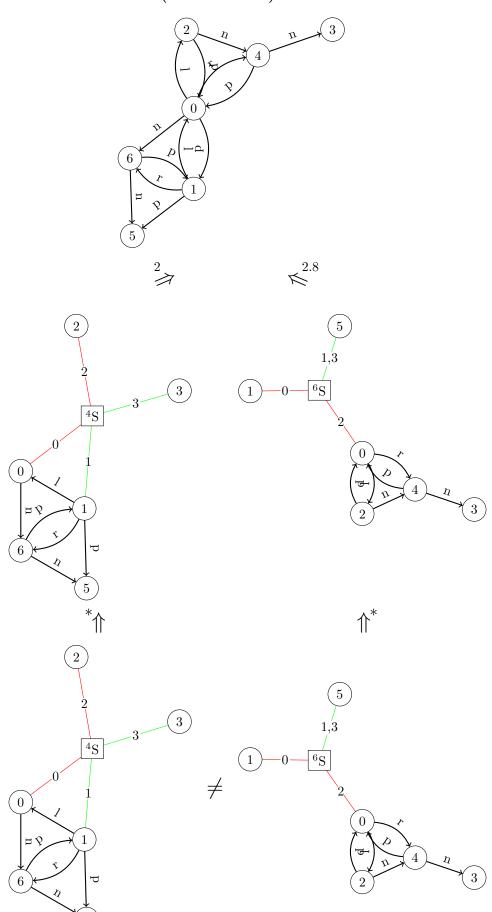
## 1.164 Critical Pair (Not Joinable)



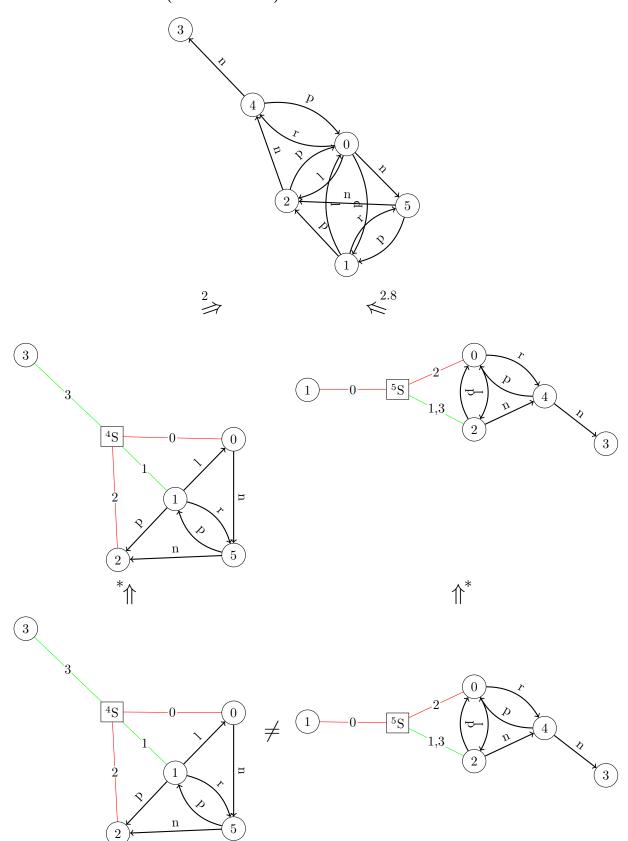
## 1.165 Critical Pair (Not Joinable)



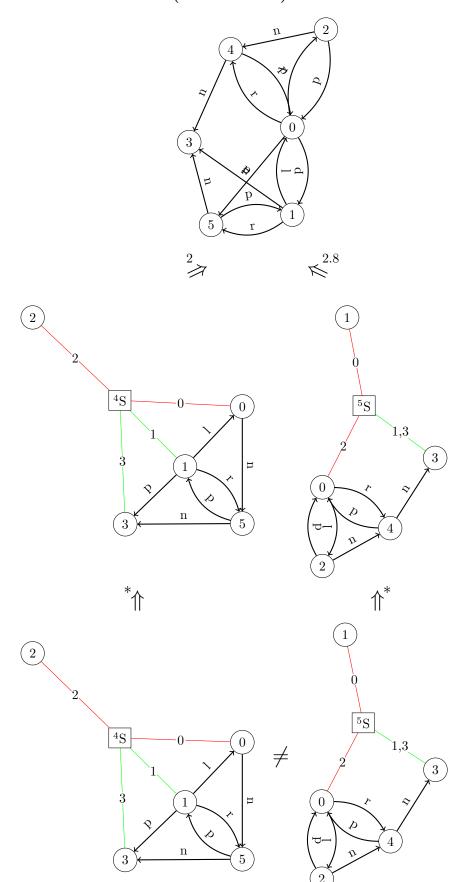
## 1.166 Critical Pair (Not Joinable)



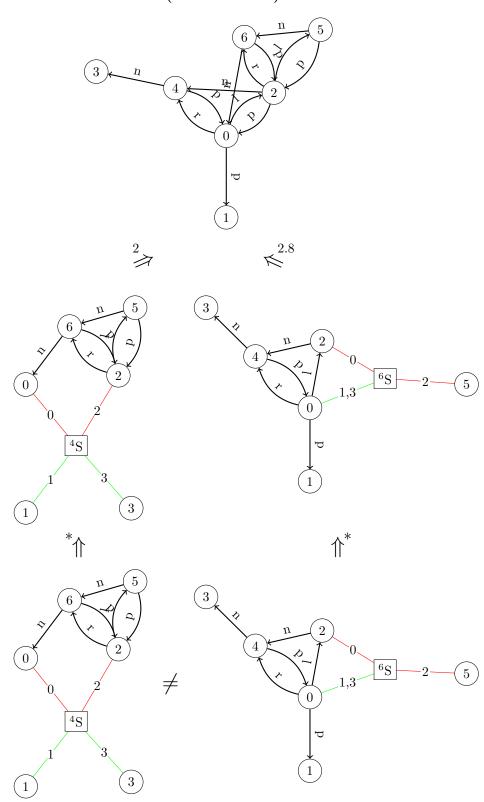
## 1.167 Critical Pair (Not Joinable)



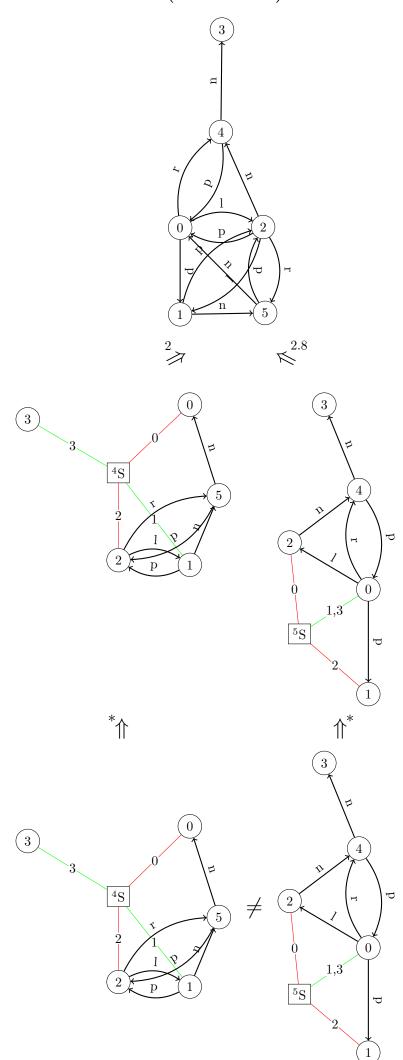
## 1.168 Critical Pair (Not Joinable)



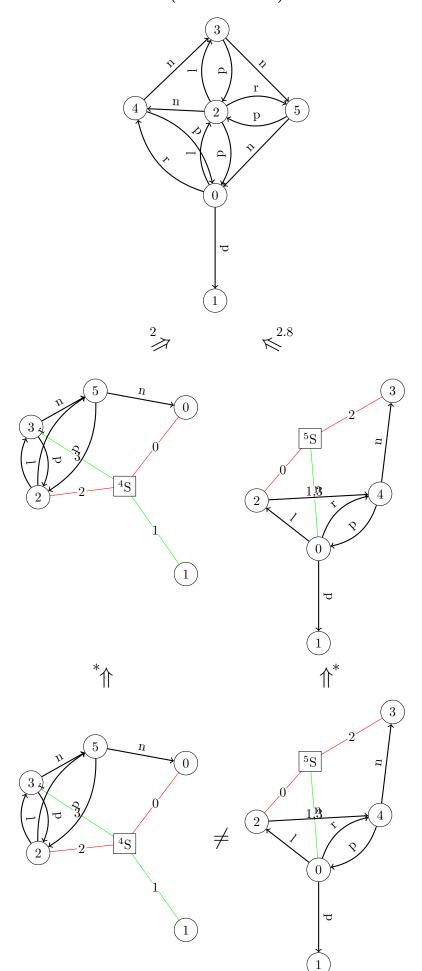
# 1.169 Critical Pair (Not Joinable)



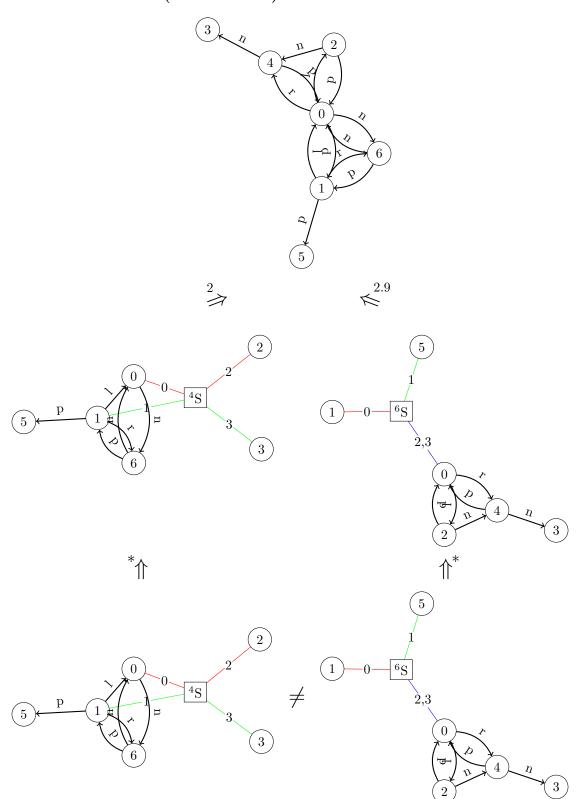
## 1.170 Critical Pair (Not Joinable)



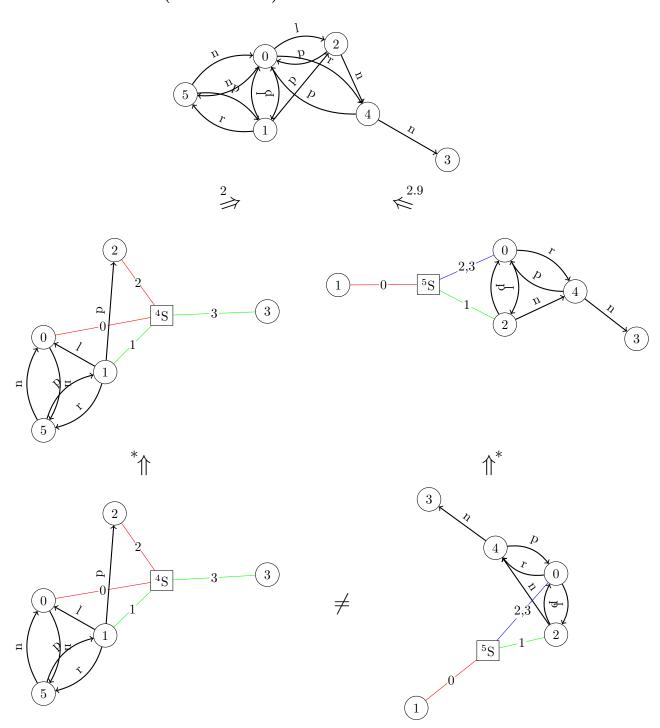
## 1.171 Critical Pair (Not Joinable)



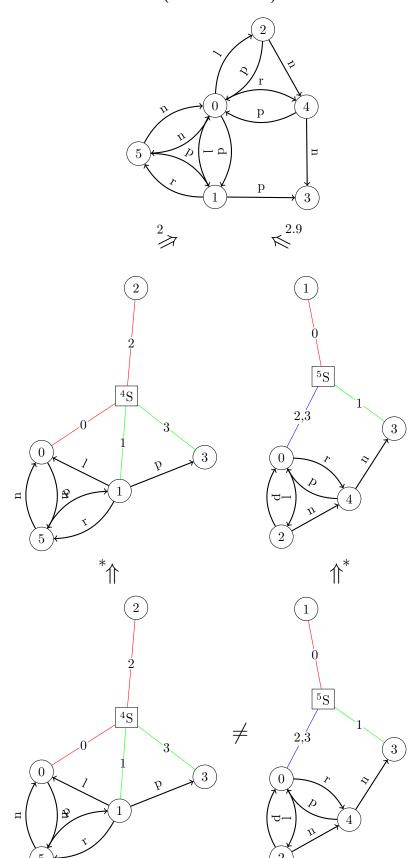
## 1.172 Critical Pair (Not Joinable)



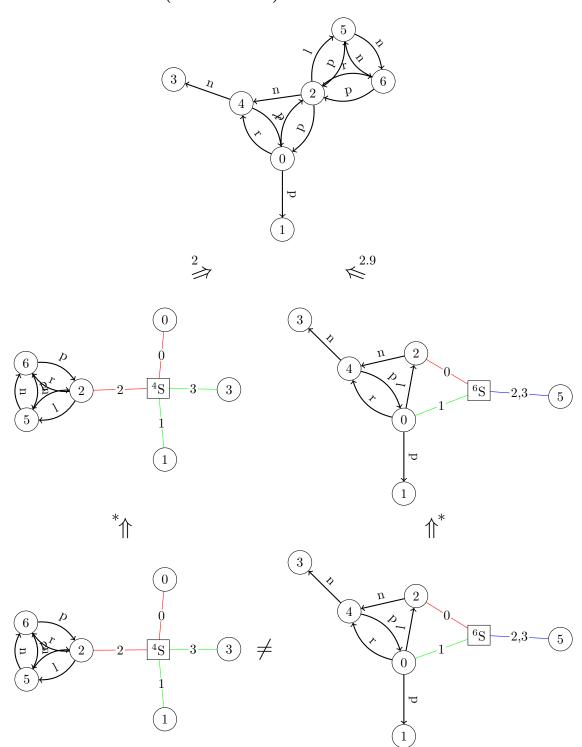
## 1.173 Critical Pair (Not Joinable)



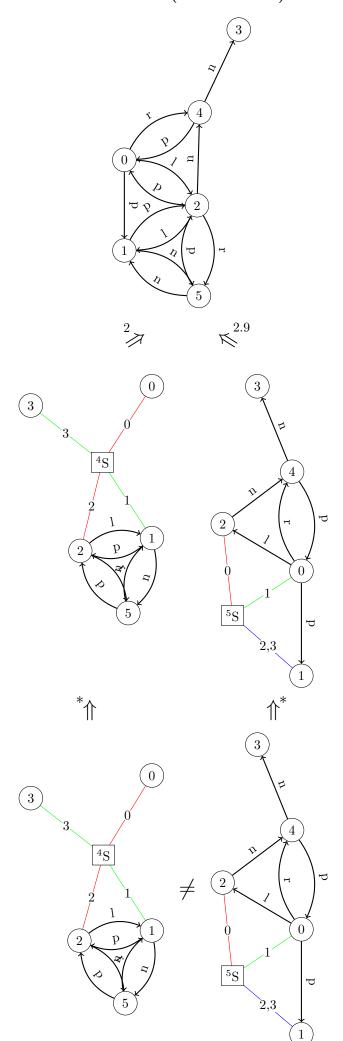
## 1.174 Critical Pair (Not Joinable)



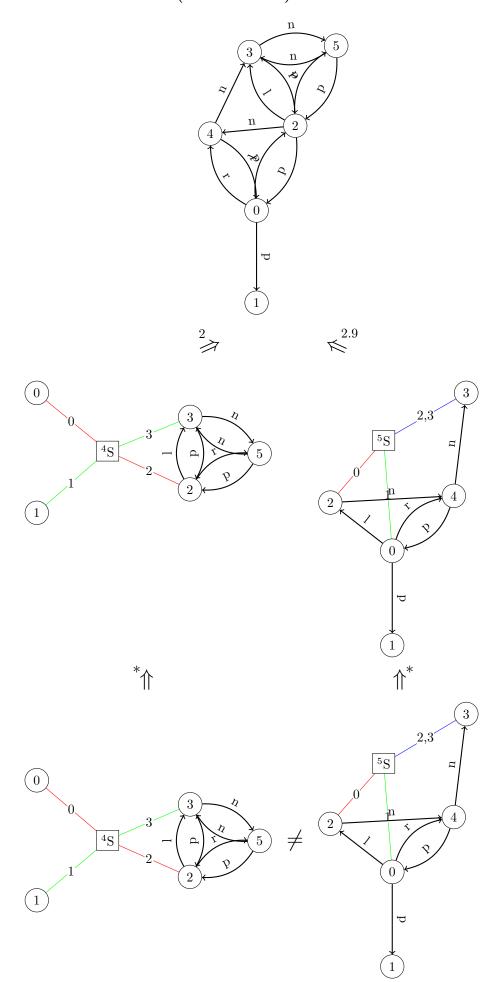
## 1.175 Critical Pair (Not Joinable)



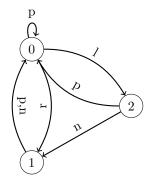
## 1.176 Critical Pair (Not Joinable)



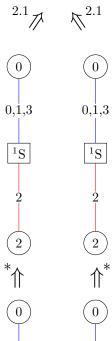
## 1.177 Critical Pair (Not Joinable)



#### 1.178 Critical Pair (Strongly Joinable)





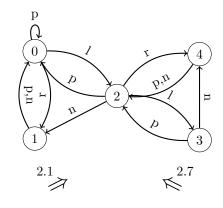


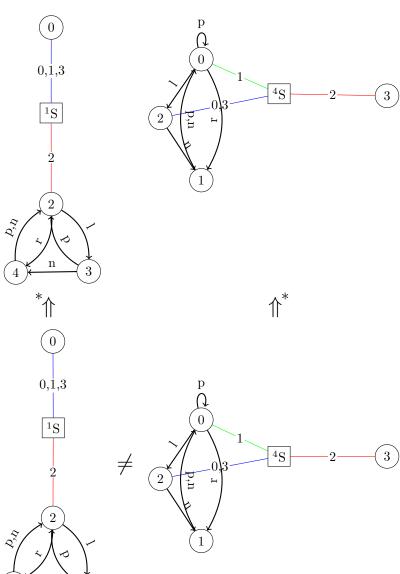
0,1,3

 $^{1}\mathrm{S}$ 

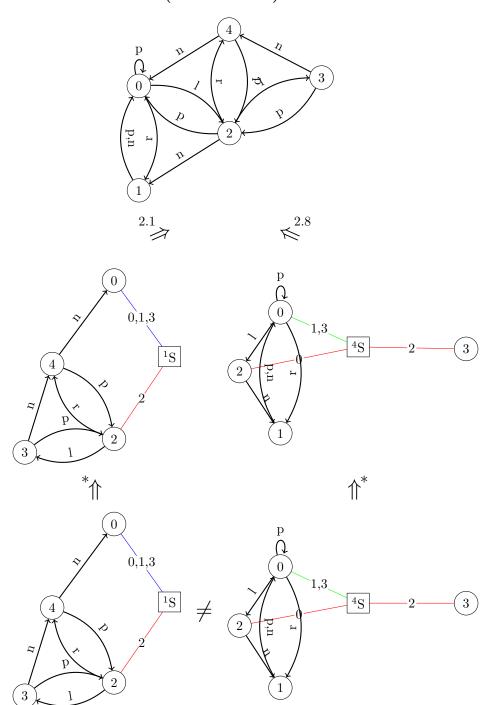
0,1,3

# 1.179 Critical Pair (Not Joinable)

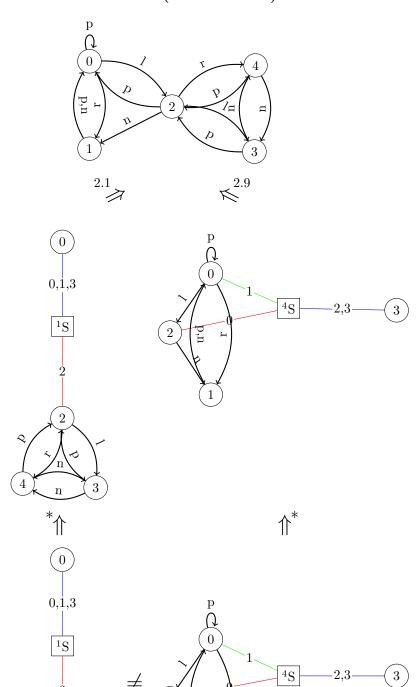




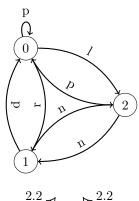
# 1.180 Critical Pair (Not Joinable)



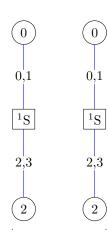
# 1.181 Critical Pair (Not Joinable)



#### 1.182 Critical Pair (Strongly Joinable)





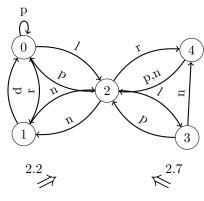


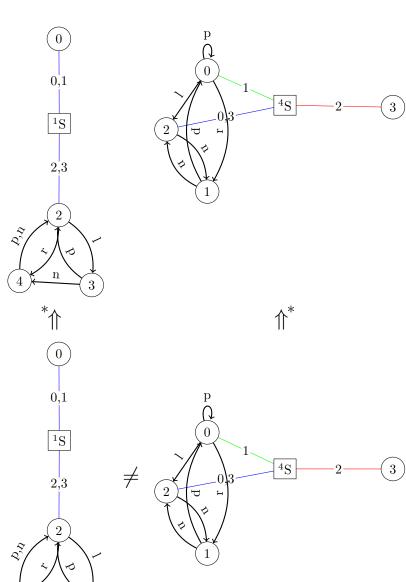




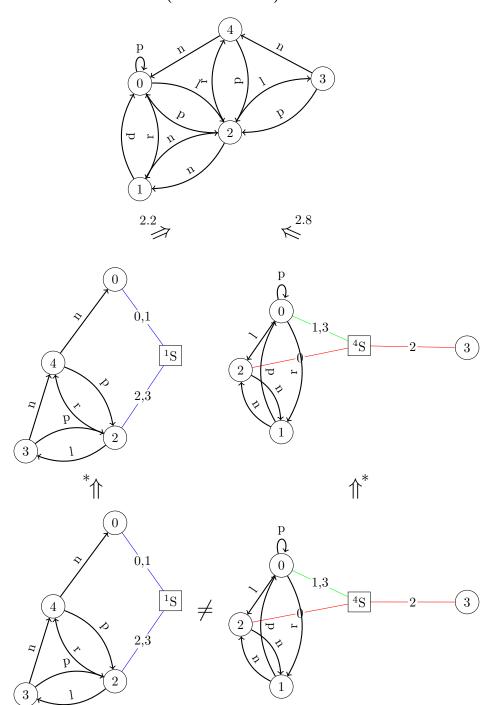
$$\begin{bmatrix} 1_{S} \\ 2,3 \end{bmatrix} = \begin{bmatrix} 1_{S} \\ 2,3 \end{bmatrix}$$

# 1.183 Critical Pair (Not Joinable)

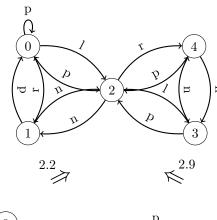


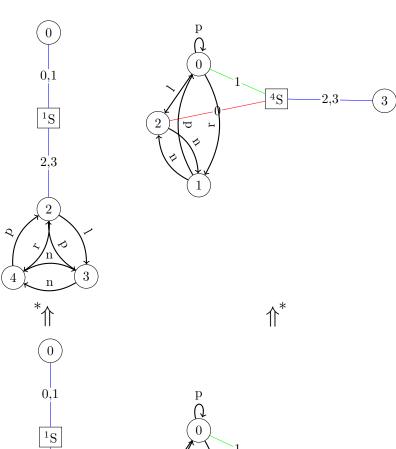


# 1.184 Critical Pair (Not Joinable)



# 1.185 Critical Pair (Not Joinable)

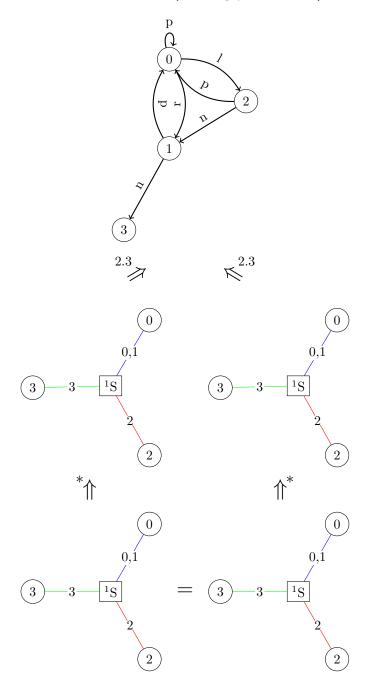




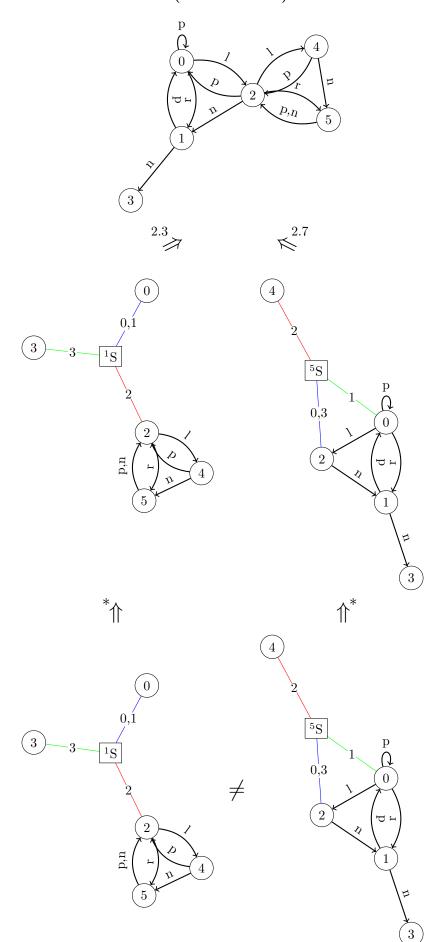
2,3

 $^{4}\mathrm{S}$ 

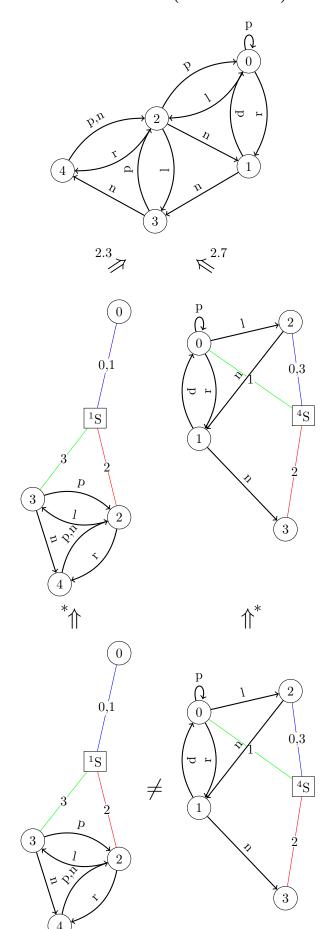
# 1.186 Critical Pair (Strongly Joinable)



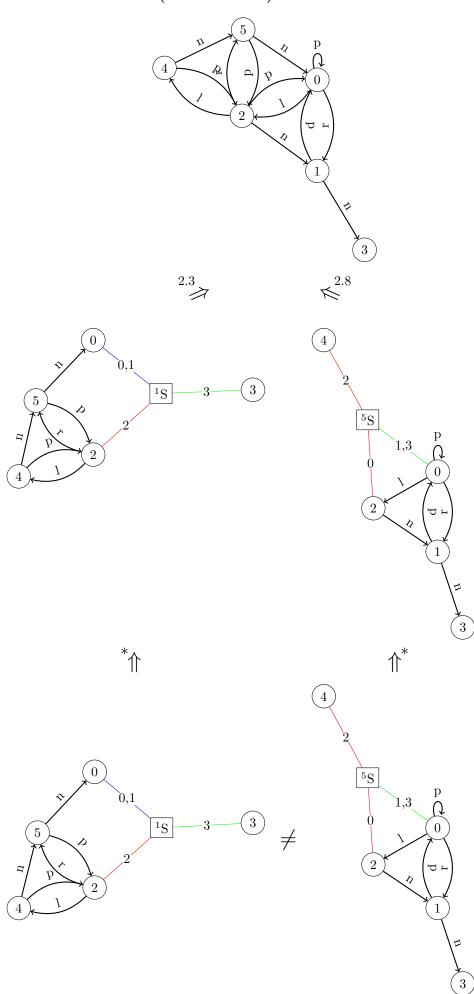
### 1.187 Critical Pair (Not Joinable)



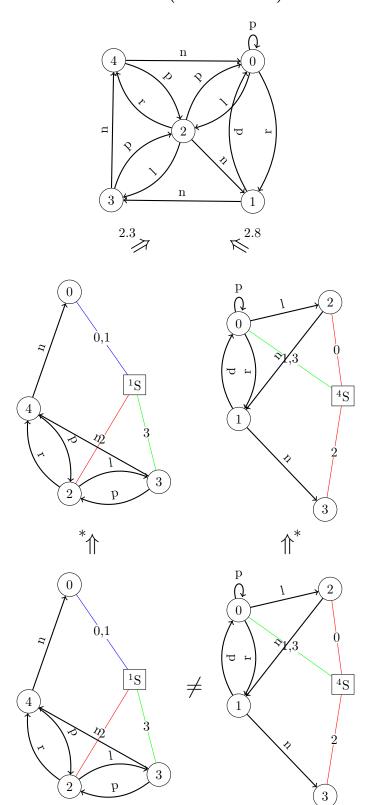
### 1.188 Critical Pair (Not Joinable)



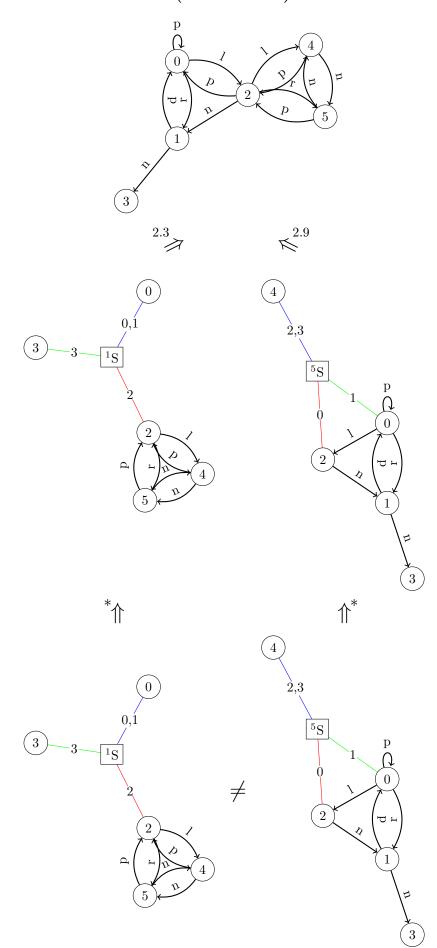
# 1.189 Critical Pair (Not Joinable)



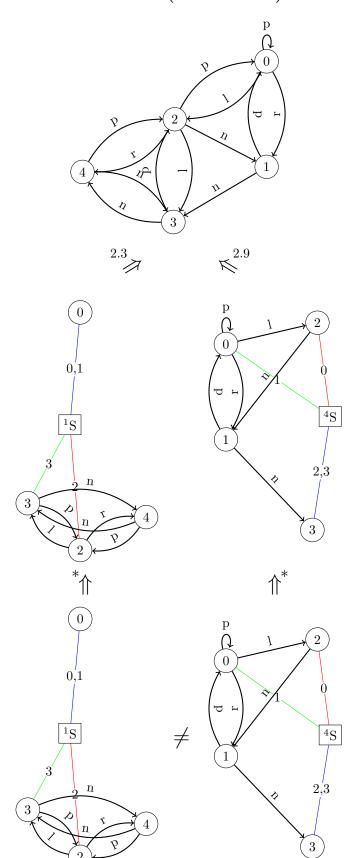
### 1.190 Critical Pair (Not Joinable)



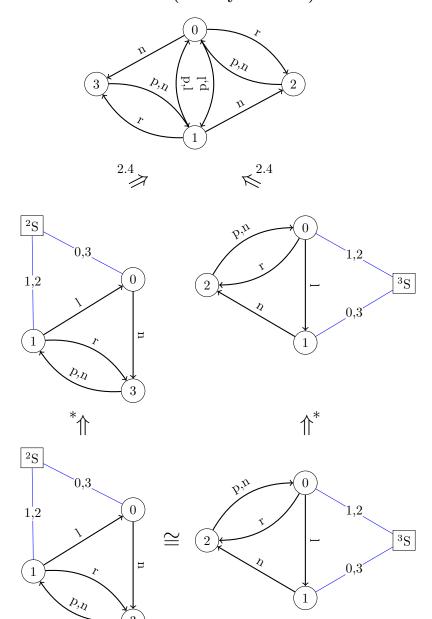
### 1.191 Critical Pair (Not Joinable)



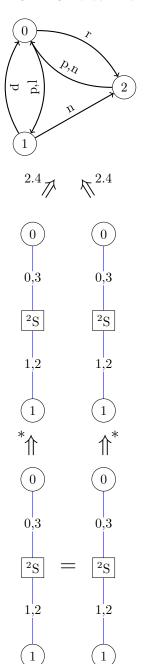
### 1.192 Critical Pair (Not Joinable)



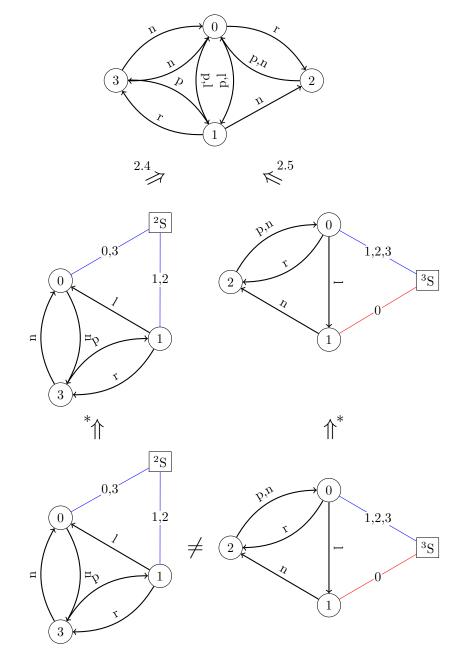
#### 1.193 Critical Pair (Weakly Joinable)



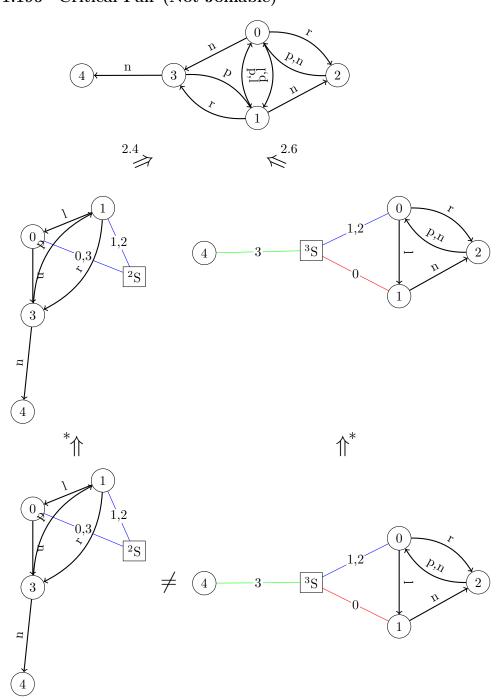
#### 1.194 Critical Pair (Strongly Joinable)



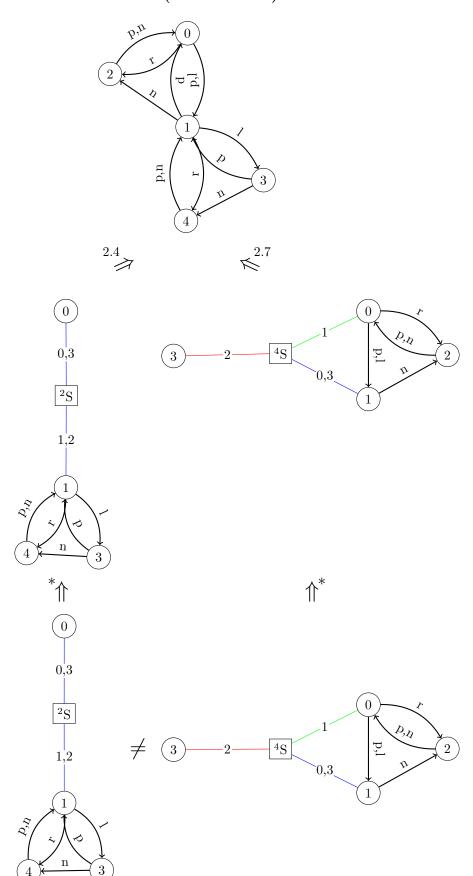
### 1.195 Critical Pair (Not Joinable)



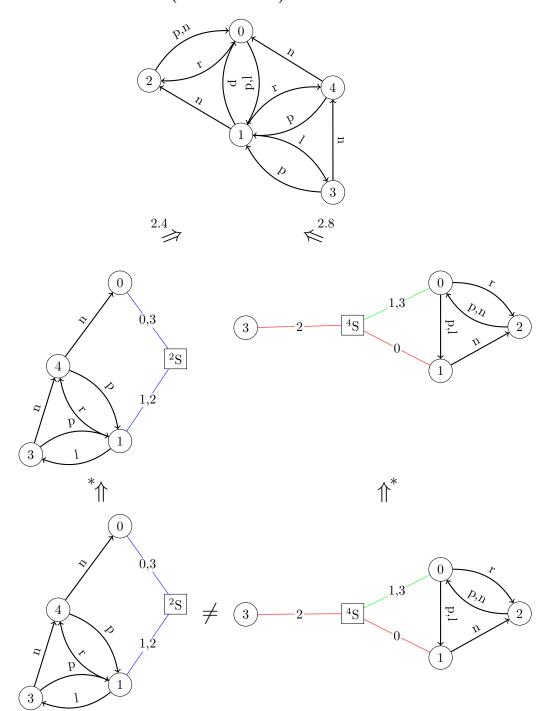
#### 1.196 Critical Pair (Not Joinable)



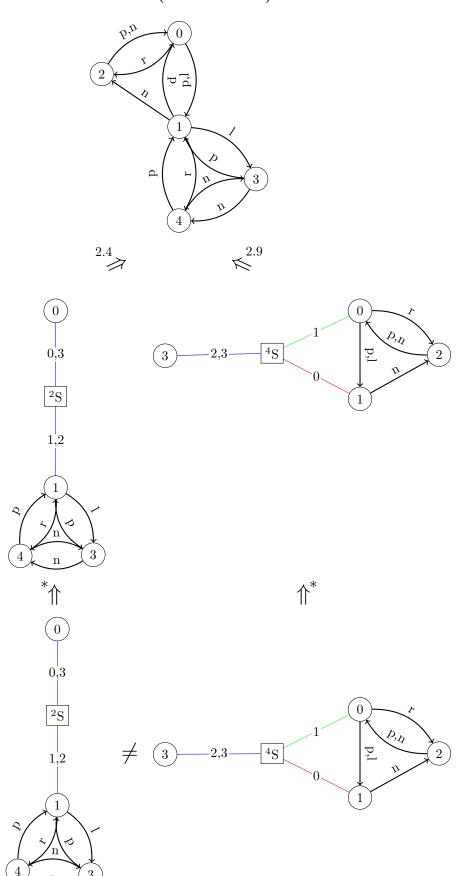
# 1.197 Critical Pair (Not Joinable)



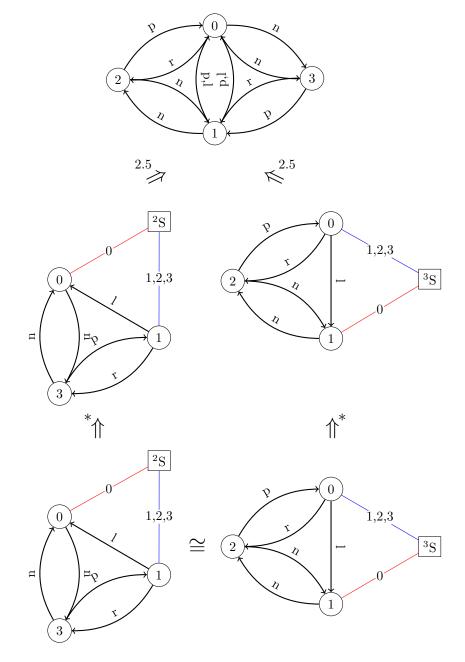
### 1.198 Critical Pair (Not Joinable)



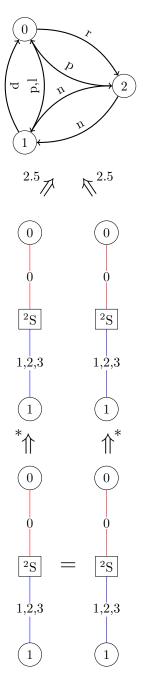
# 1.199 Critical Pair (Not Joinable)



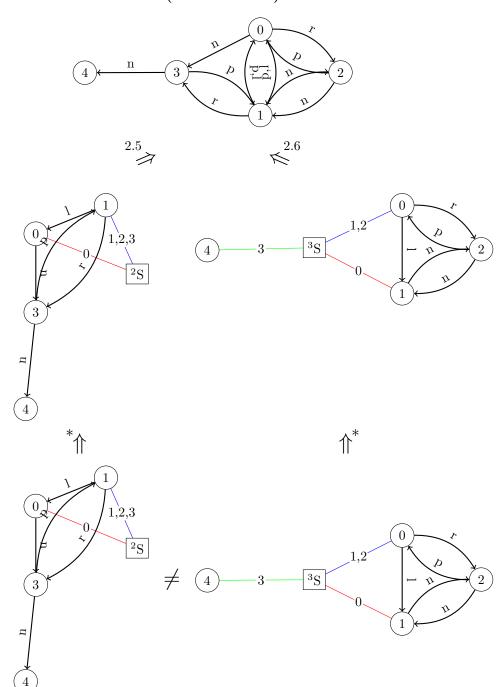
#### 1.200 Critical Pair (Weakly Joinable)



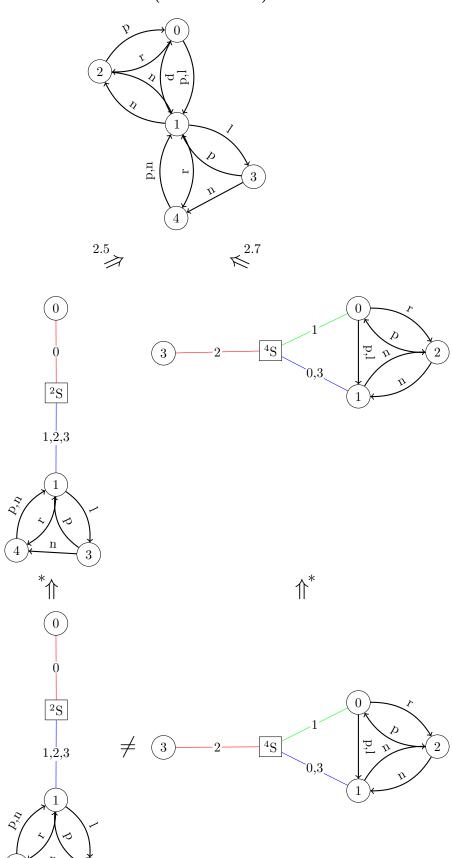
#### 1.201 Critical Pair (Strongly Joinable)



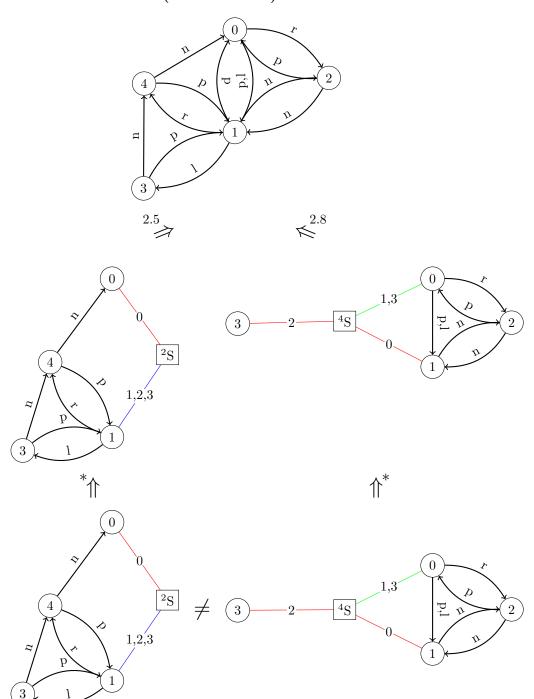
# 1.202 Critical Pair (Not Joinable)



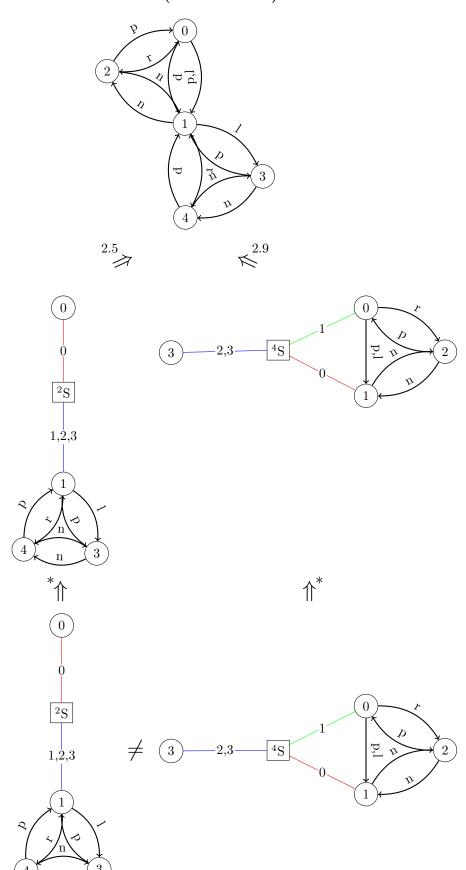
# 1.203 Critical Pair (Not Joinable)



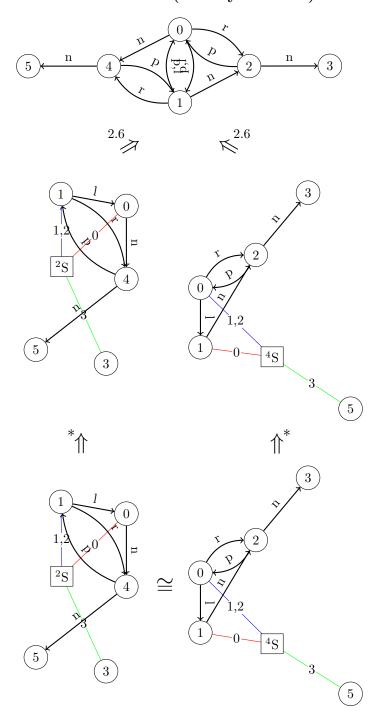
# 1.204 Critical Pair (Not Joinable)



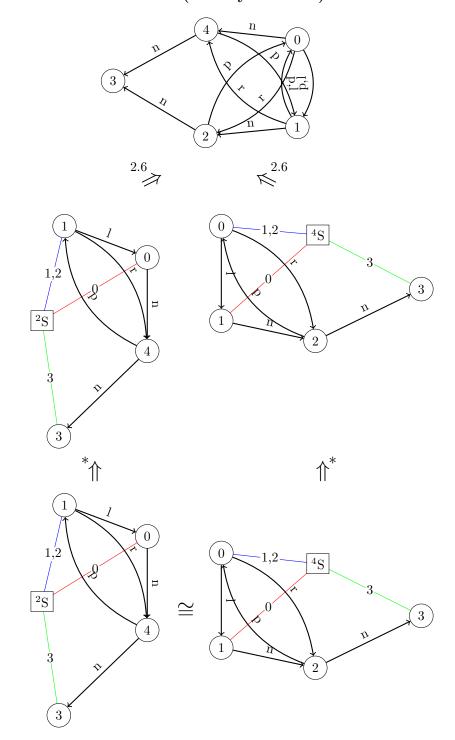
# 1.205 Critical Pair (Not Joinable)



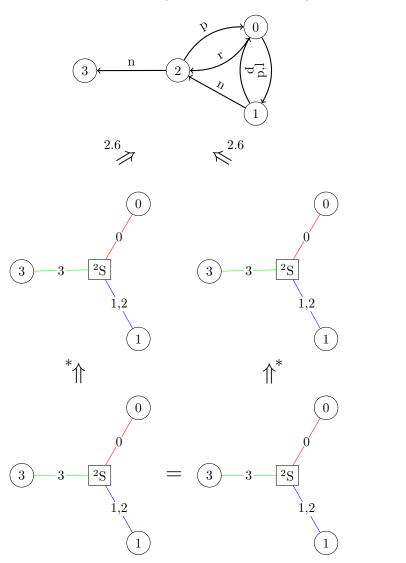
### 1.206 Critical Pair (Weakly Joinable)



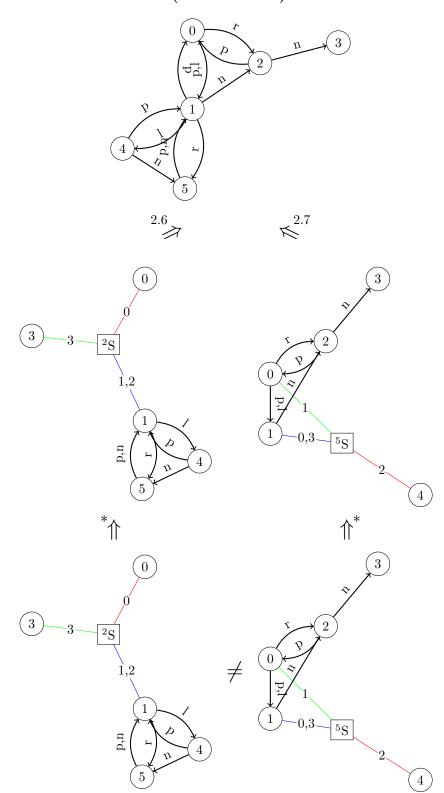
#### 1.207 Critical Pair (Weakly Joinable)



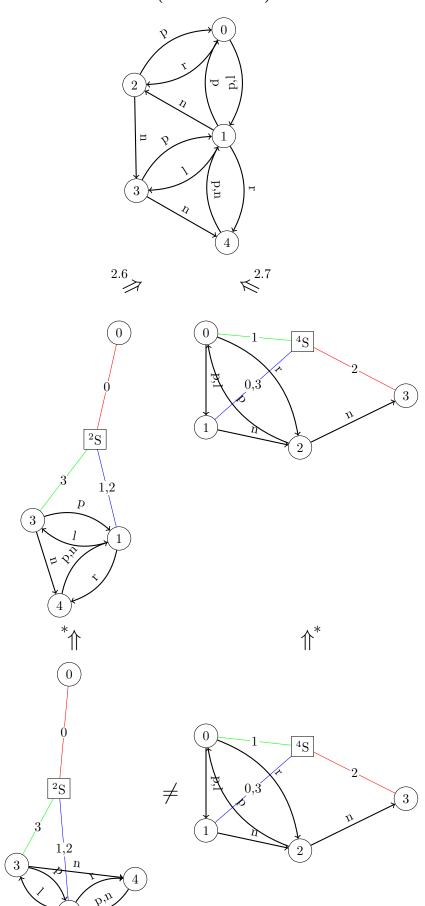
#### 1.208 Critical Pair (Strongly Joinable)



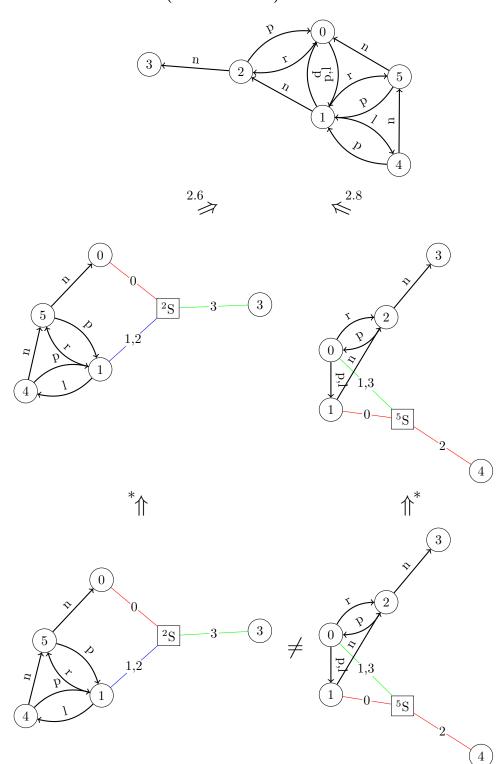
# 1.209 Critical Pair (Not Joinable)



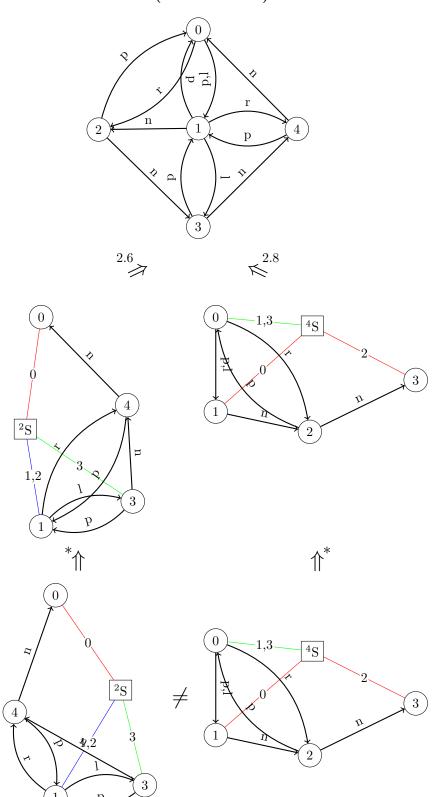
### 1.210 Critical Pair (Not Joinable)



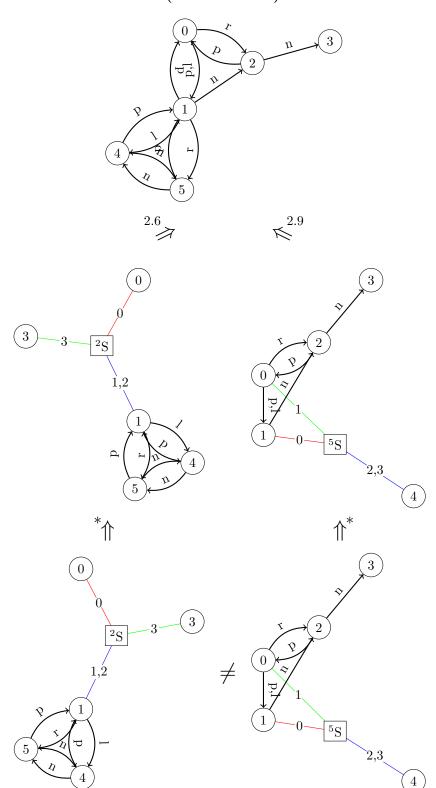
# 1.211 Critical Pair (Not Joinable)



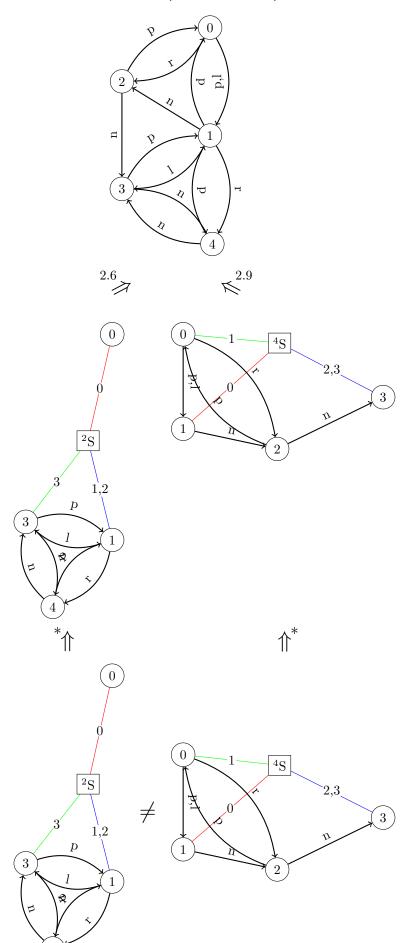
# 1.212 Critical Pair (Not Joinable)



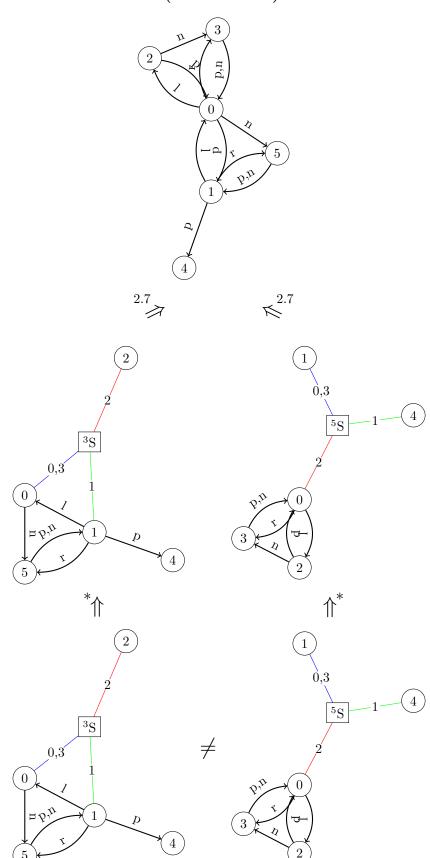
# 1.213 Critical Pair (Not Joinable)



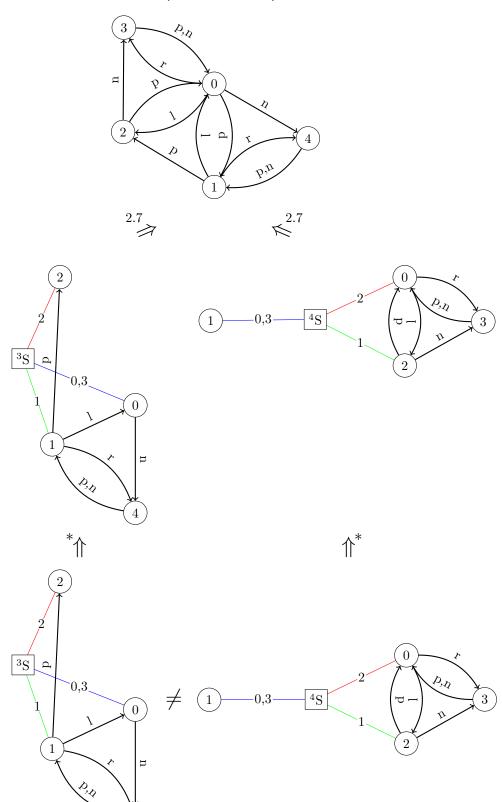
### 1.214 Critical Pair (Not Joinable)



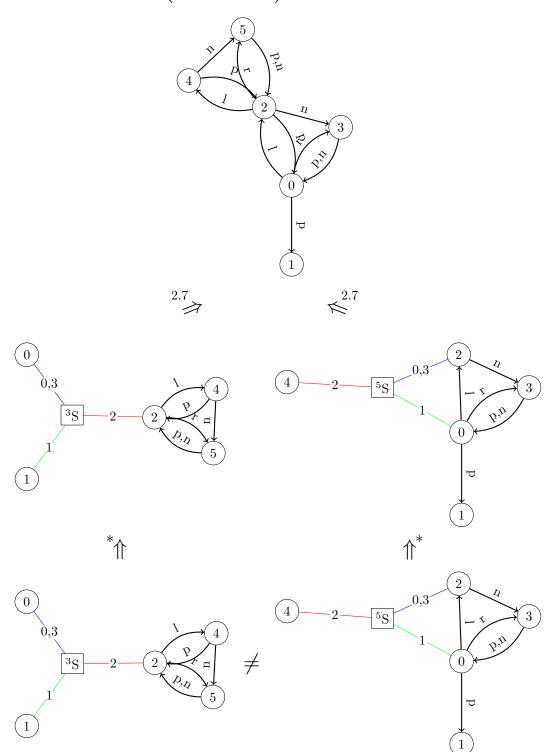
### 1.215 Critical Pair (Not Joinable)



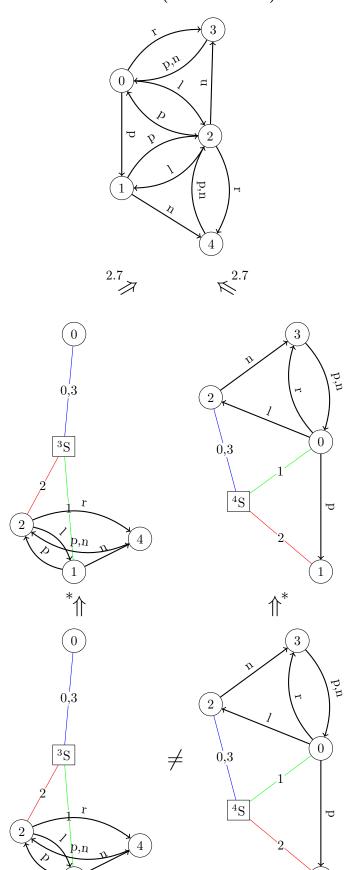
# 1.216 Critical Pair (Not Joinable)



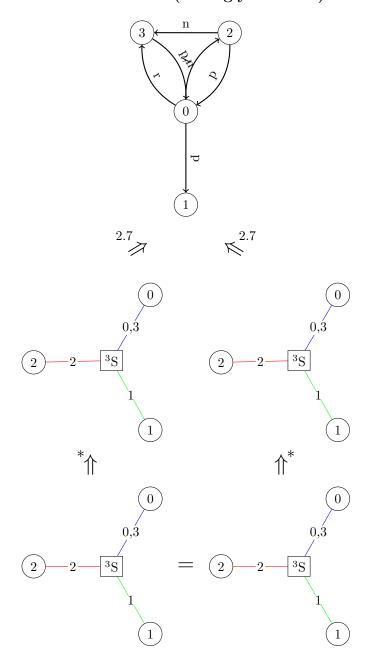
### 1.217 Critical Pair (Not Joinable)



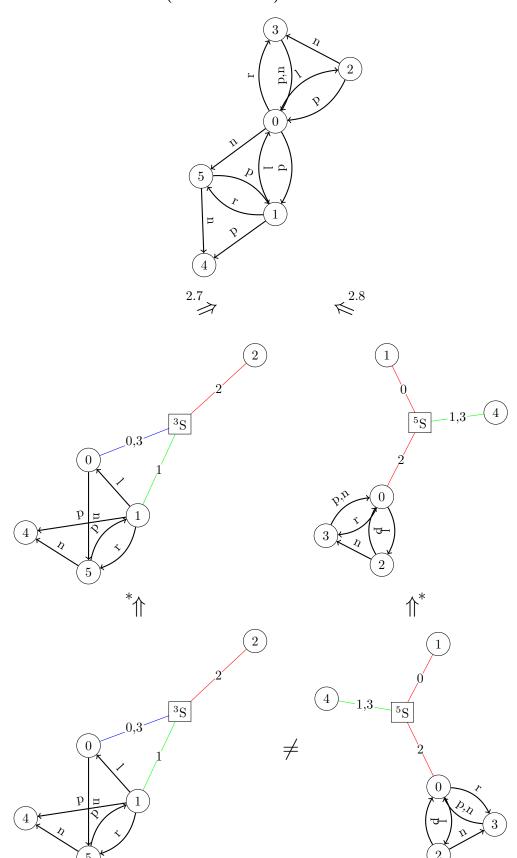
### 1.218 Critical Pair (Not Joinable)



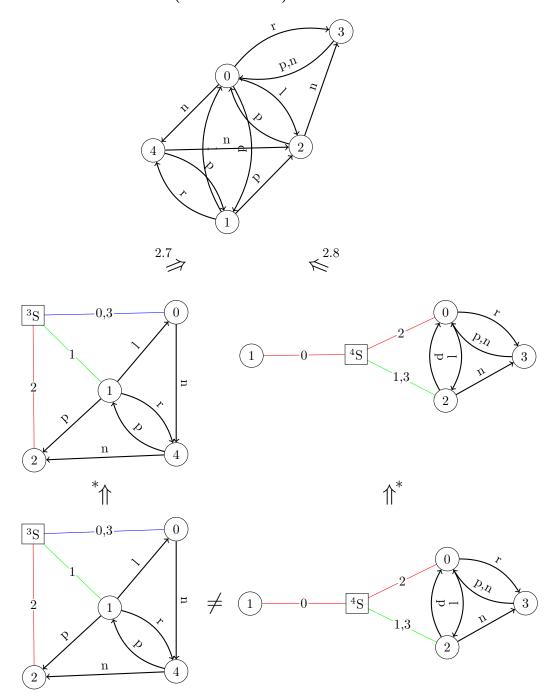
### 1.219 Critical Pair (Strongly Joinable)



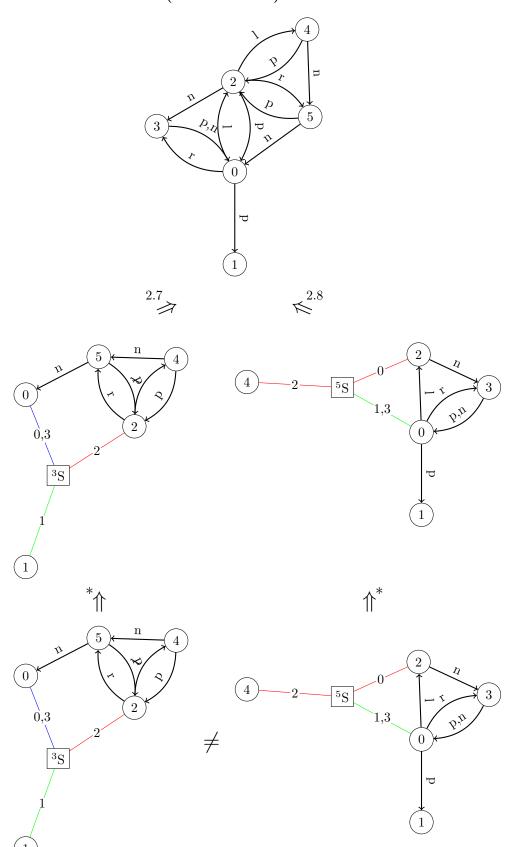
### 1.220 Critical Pair (Not Joinable)



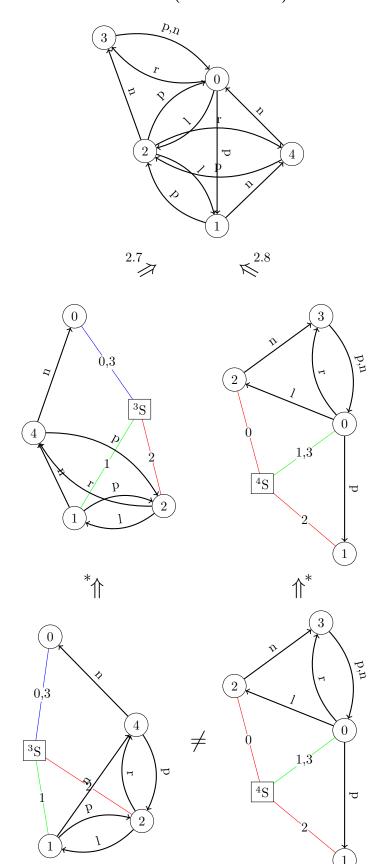
### 1.221 Critical Pair (Not Joinable)



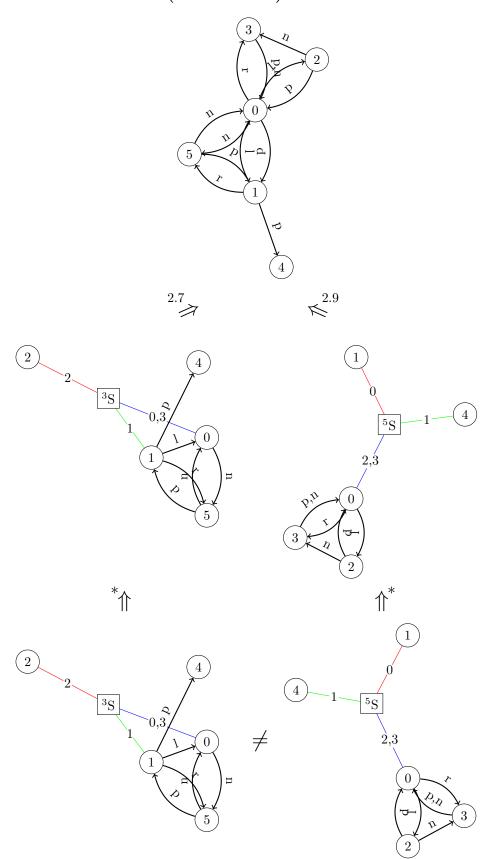
### 1.222 Critical Pair (Not Joinable)



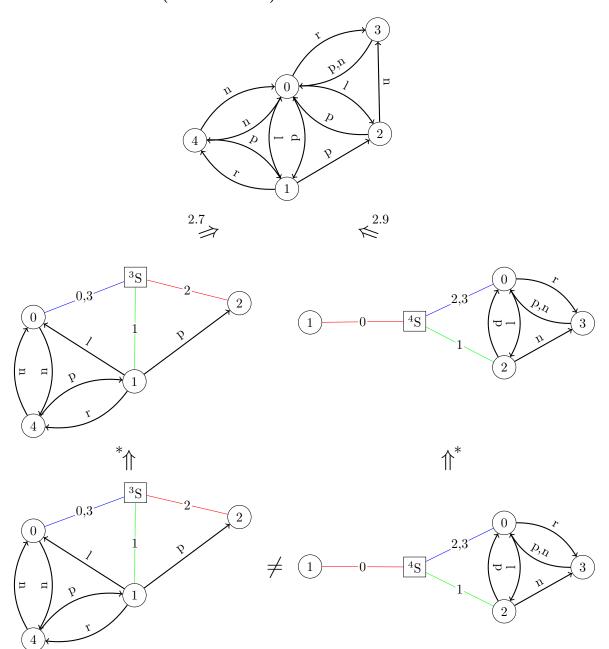
### 1.223 Critical Pair (Not Joinable)



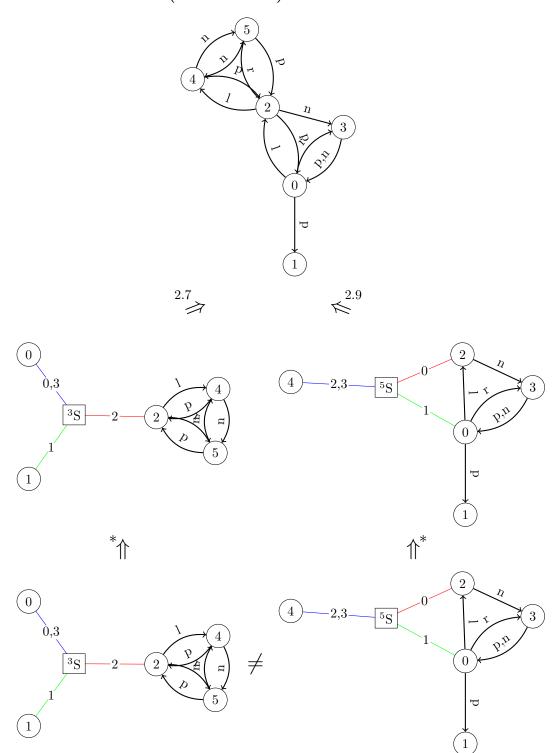
### 1.224 Critical Pair (Not Joinable)



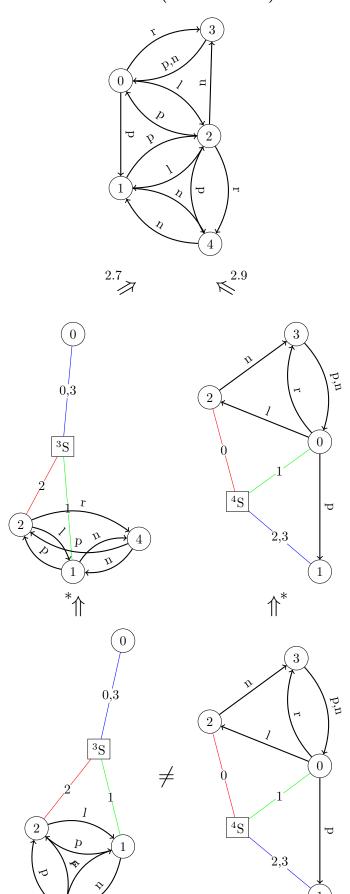
# 1.225 Critical Pair (Not Joinable)



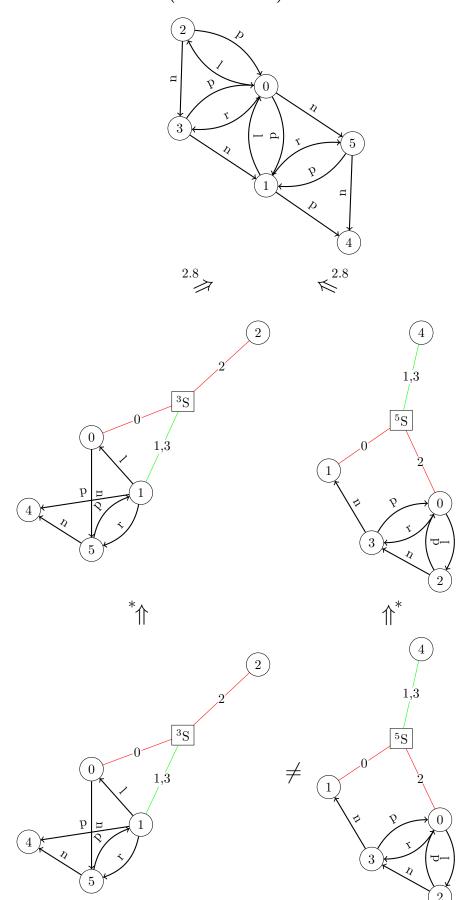
### 1.226 Critical Pair (Not Joinable)



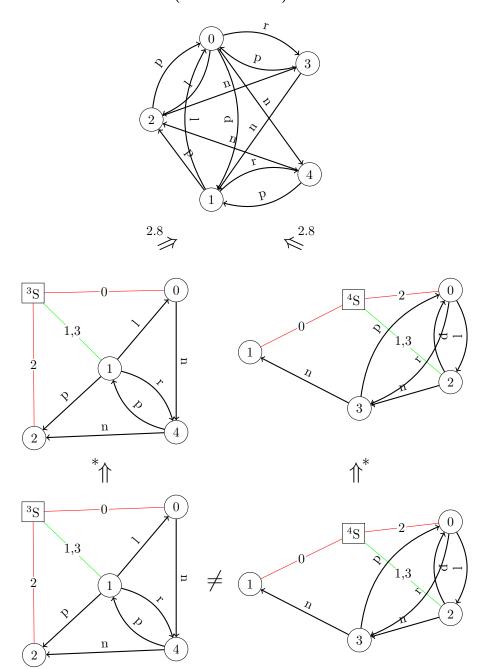
### 1.227 Critical Pair (Not Joinable)



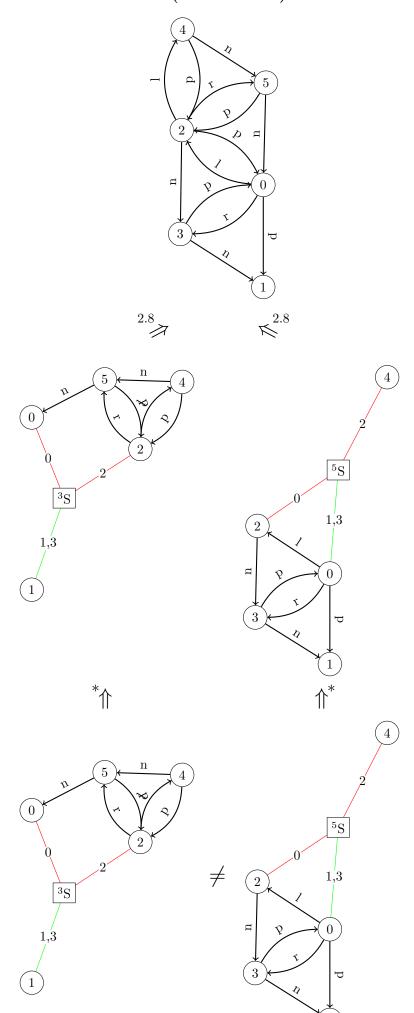
### 1.228 Critical Pair (Not Joinable)



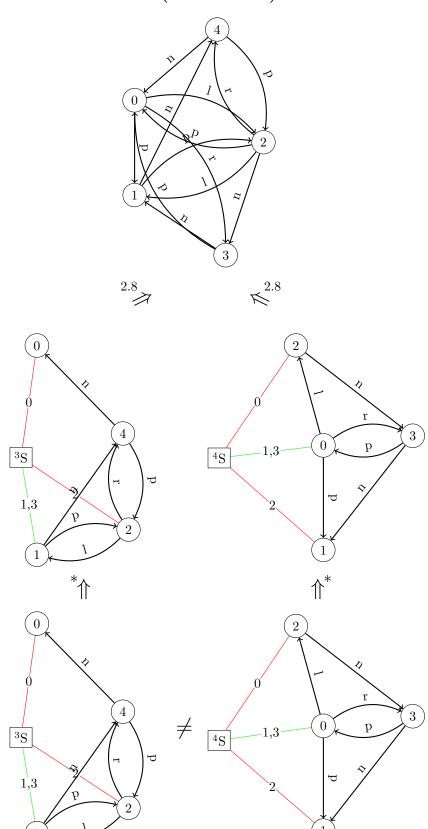
## 1.229 Critical Pair (Not Joinable)



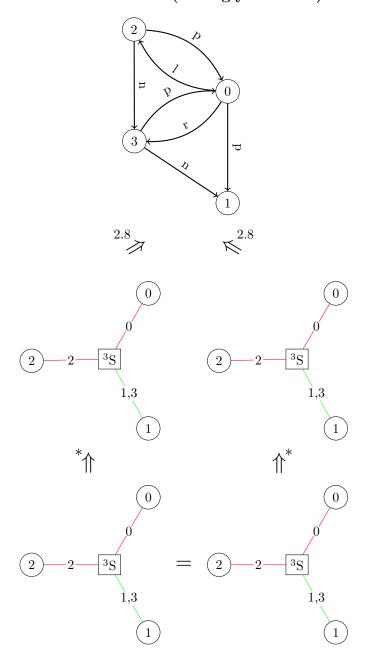
### 1.230 Critical Pair (Not Joinable)



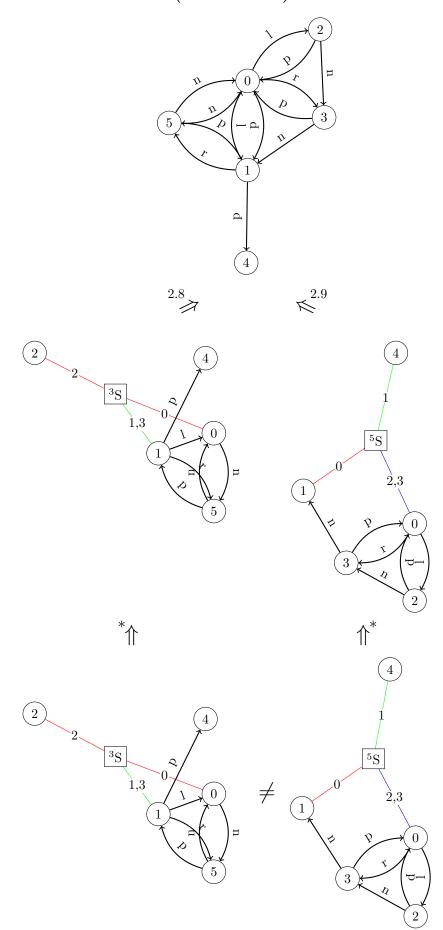
### 1.231 Critical Pair (Not Joinable)



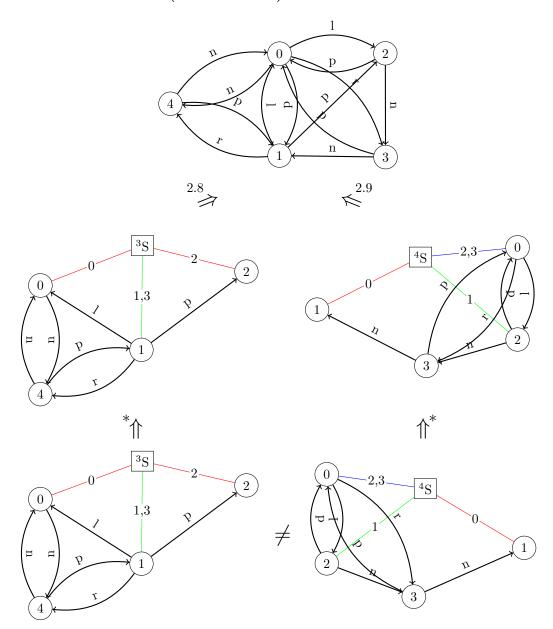
### 1.232 Critical Pair (Strongly Joinable)



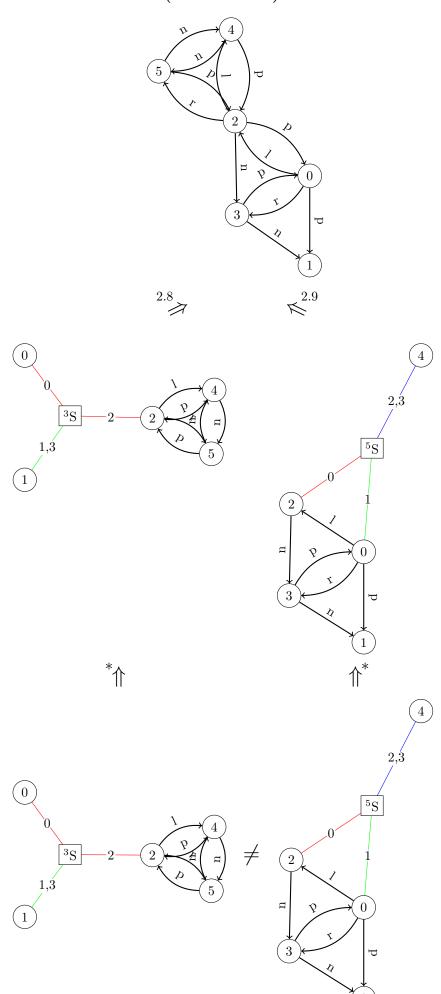
### 1.233 Critical Pair (Not Joinable)



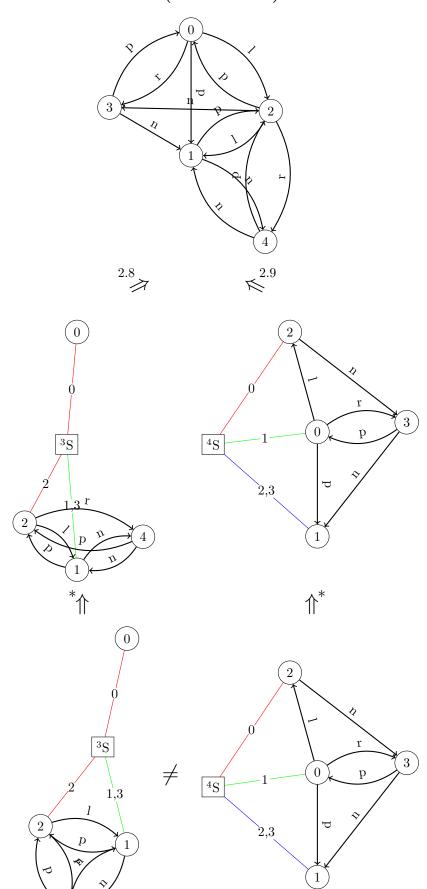
## 1.234 Critical Pair (Not Joinable)



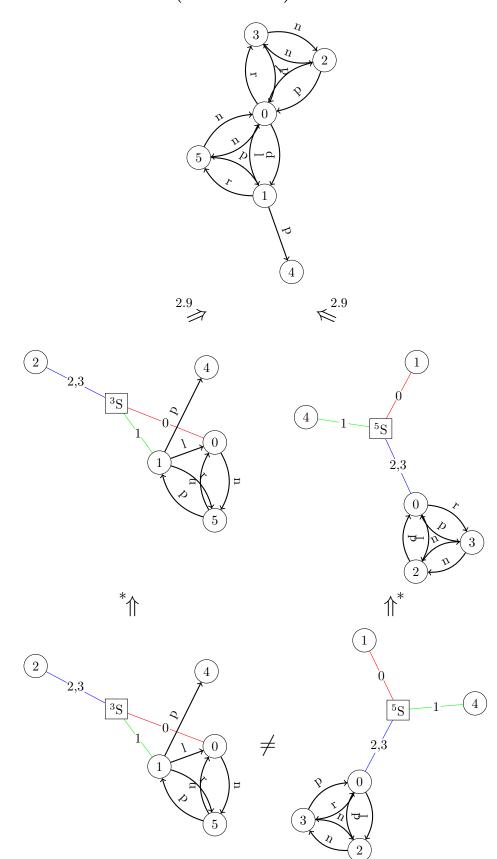
### 1.235 Critical Pair (Not Joinable)



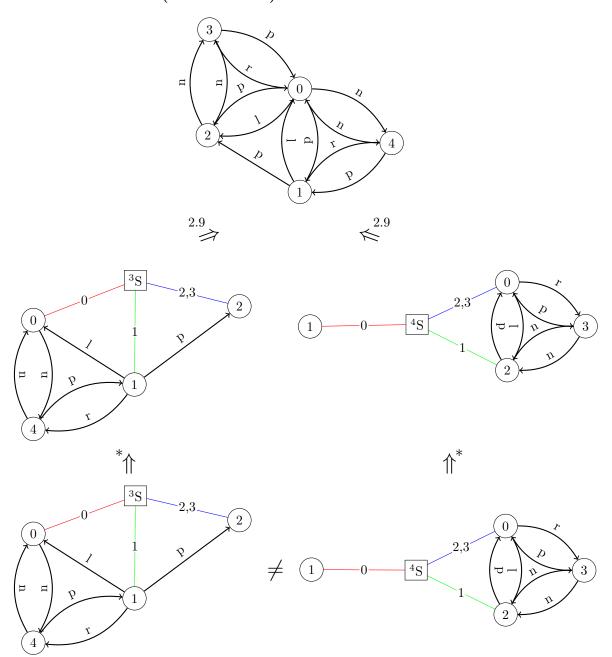
### 1.236 Critical Pair (Not Joinable)



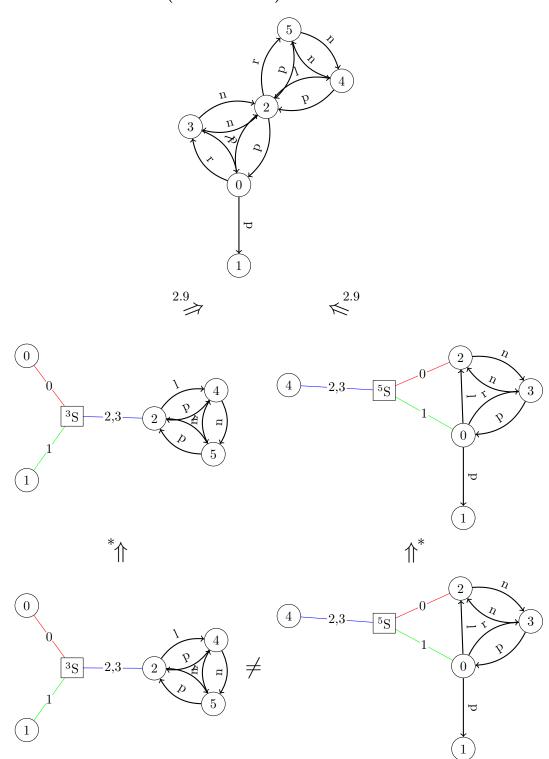
### 1.237 Critical Pair (Not Joinable)



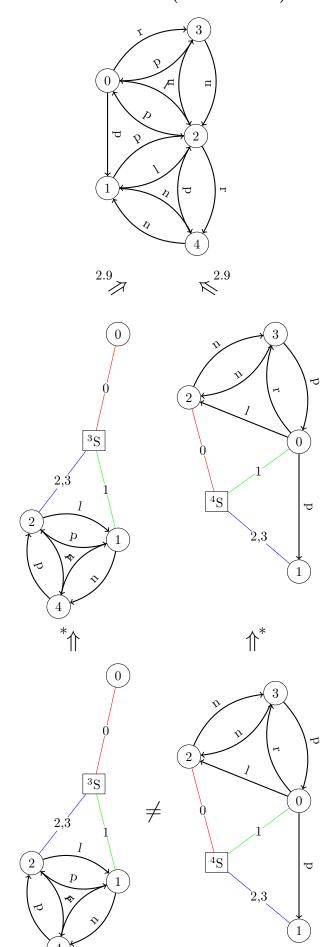
## 1.238 Critical Pair (Not Joinable)



### 1.239 Critical Pair (Not Joinable)



## 1.240 Critical Pair (Not Joinable)



### 1.241 Critical Pair (Strongly Joinable)

