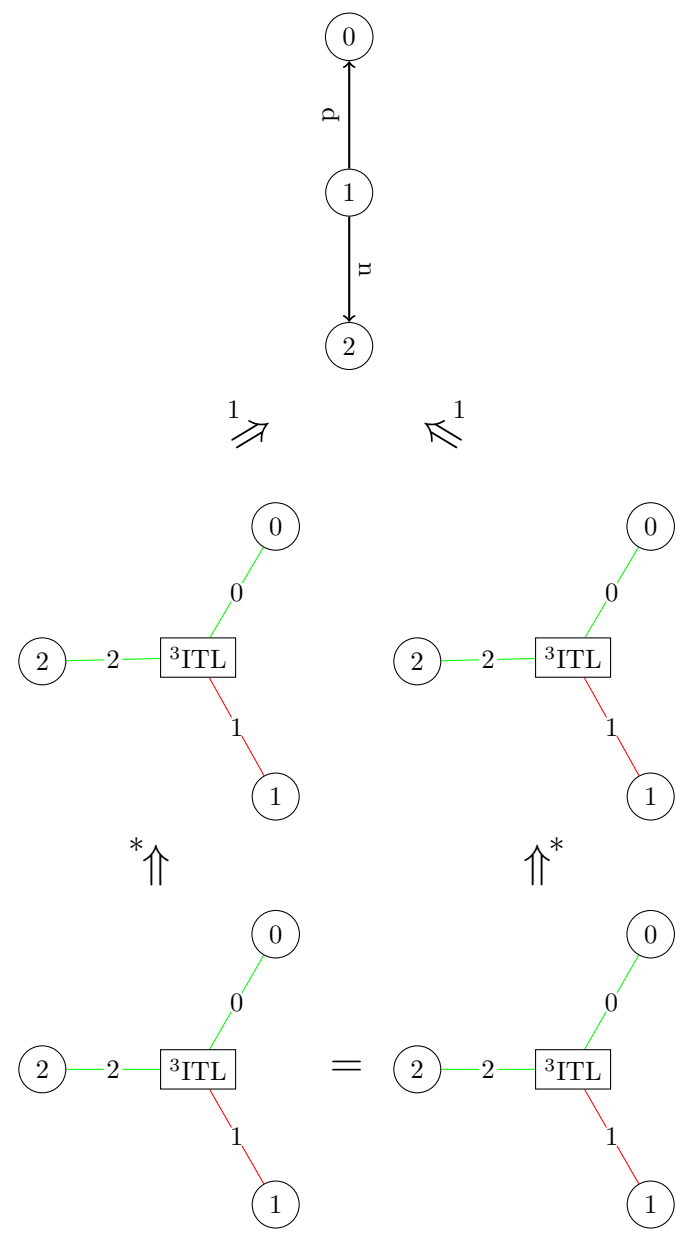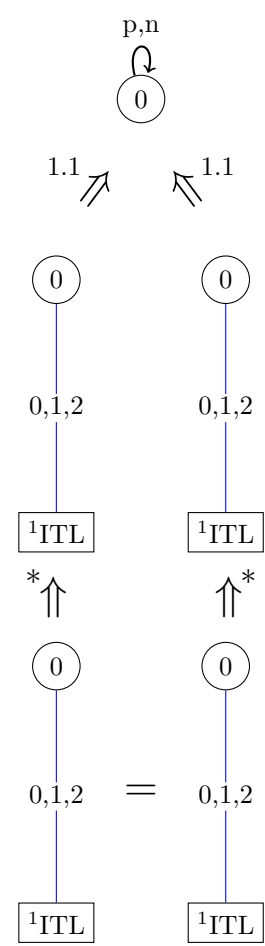# Attestor Report

August 14, 2019

Contents

1 Critical Pair Report

1.1 Critical Pair (Strongly Joinable)

1.2 Critical Pair (Strongly Joinable)

1.3 Critical Pair (Strongly Joinable)

1.4 Critical Pair (Strongly Joinable)

1.5 Critical Pair (Strongly Joinable)

(0)

p

n

(1)

1.4 ⇗   ⇖ 1.4

(0)   (0)

0   0

^{2}ITL ^{2}ITL

1,2   1,2

(1)   (1)

* ⇑   ⇑ *

(0)   (0)

0   0

^{2}ITL = ^{2}ITL

1,2   1,2

(1)   (1)

1.6 Critical Pair (Strongly Joinable)

$$\overset{2}{\Rightarrow} \qquad \overset{2}{\Leftarrow}$$

$$\overset{*}{\Uparrow} \qquad \Uparrow^{*}$$

$$=$$

1.7 Critical Pair (Strongly Joinable)

1.8 Critical Pair (Strongly Joinable)

1.9 Critical Pair (Strongly Joinable)

1.10 Critical Pair (Strongly Joinable)
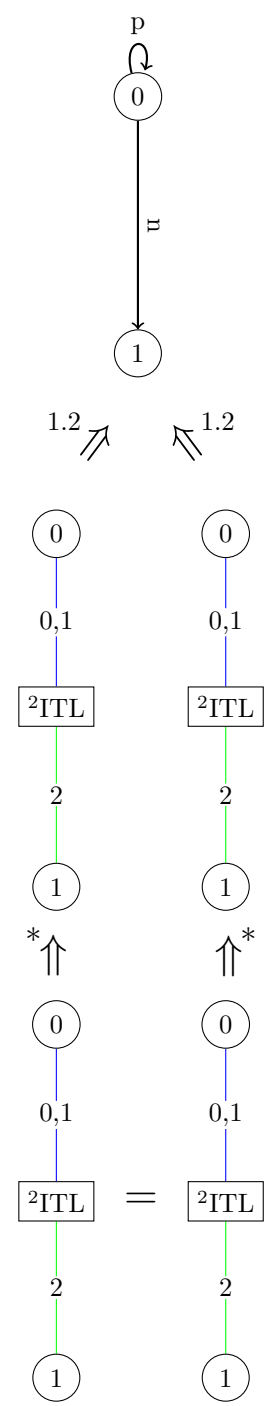
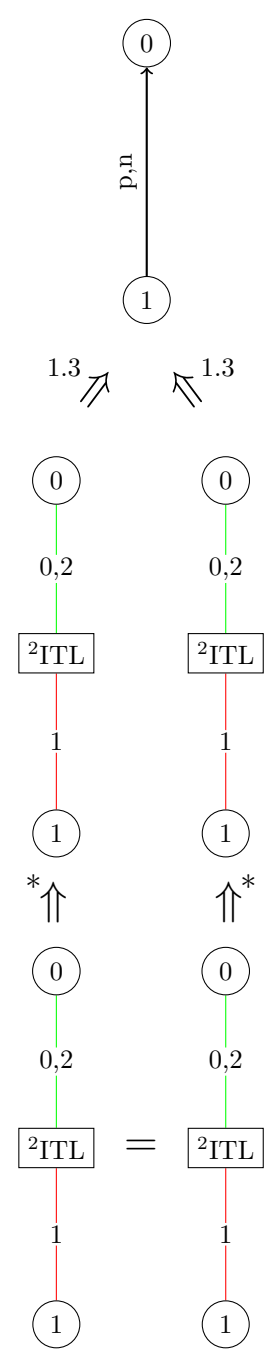## 1.11 Critical Pair (Strongly Joinable)

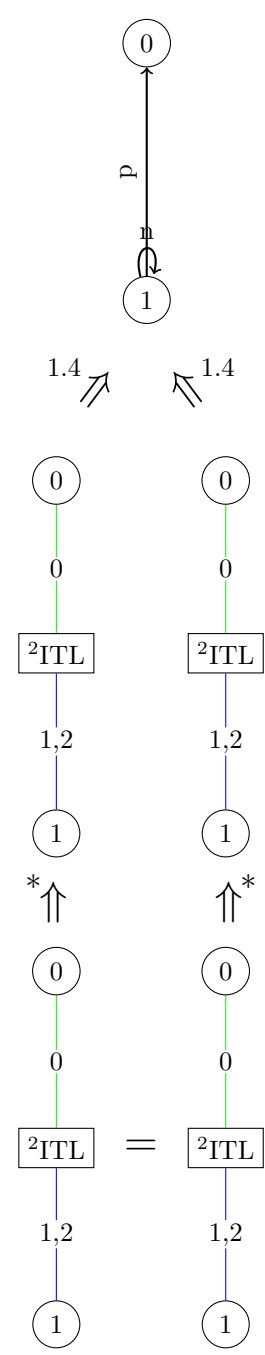## 1.12 Critical Pair (Strongly Joinable)

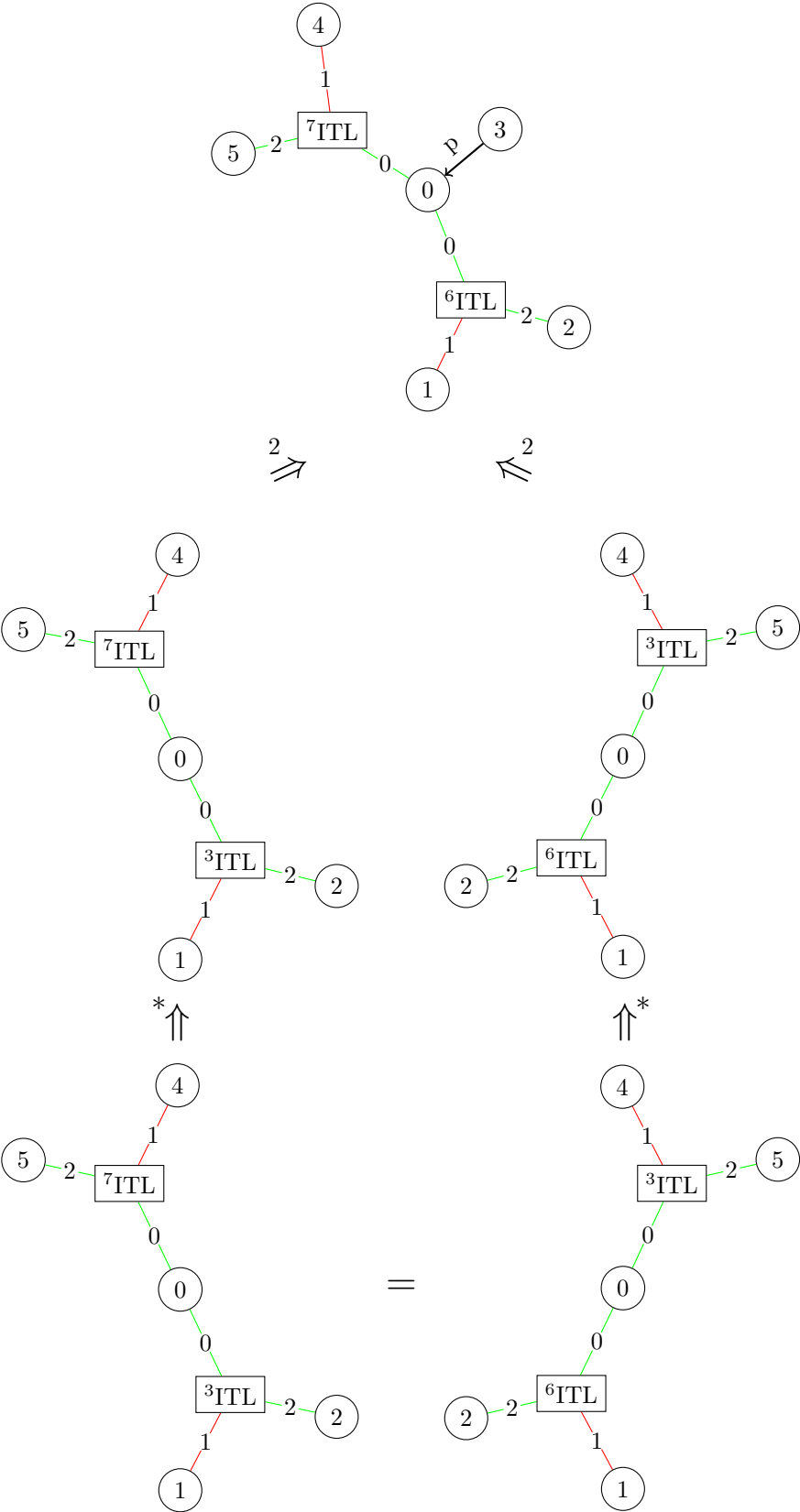## 1.13 Critical Pair (Strongly Joinable)

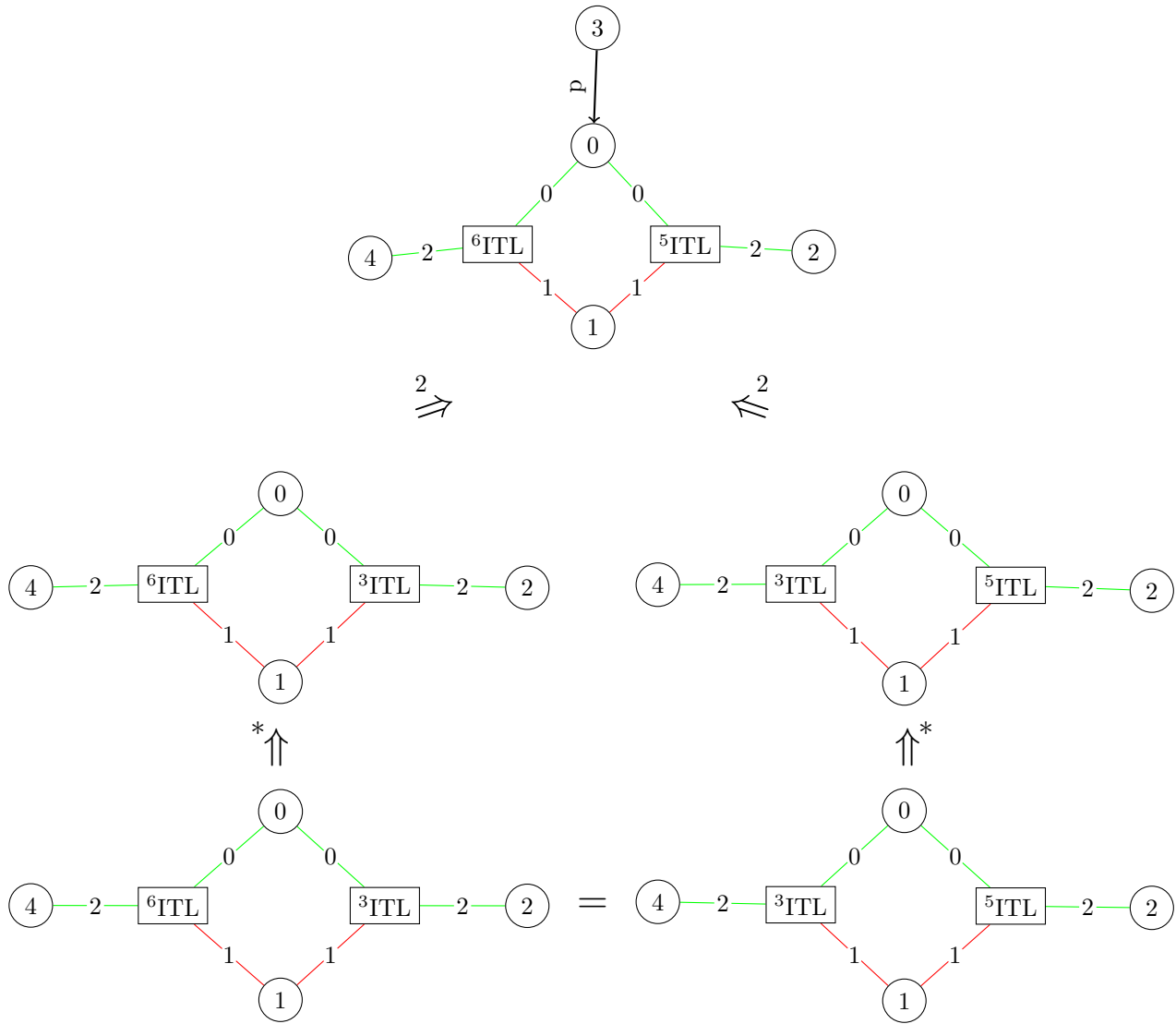## 1.14 Critical Pair (Strongly Joinable)

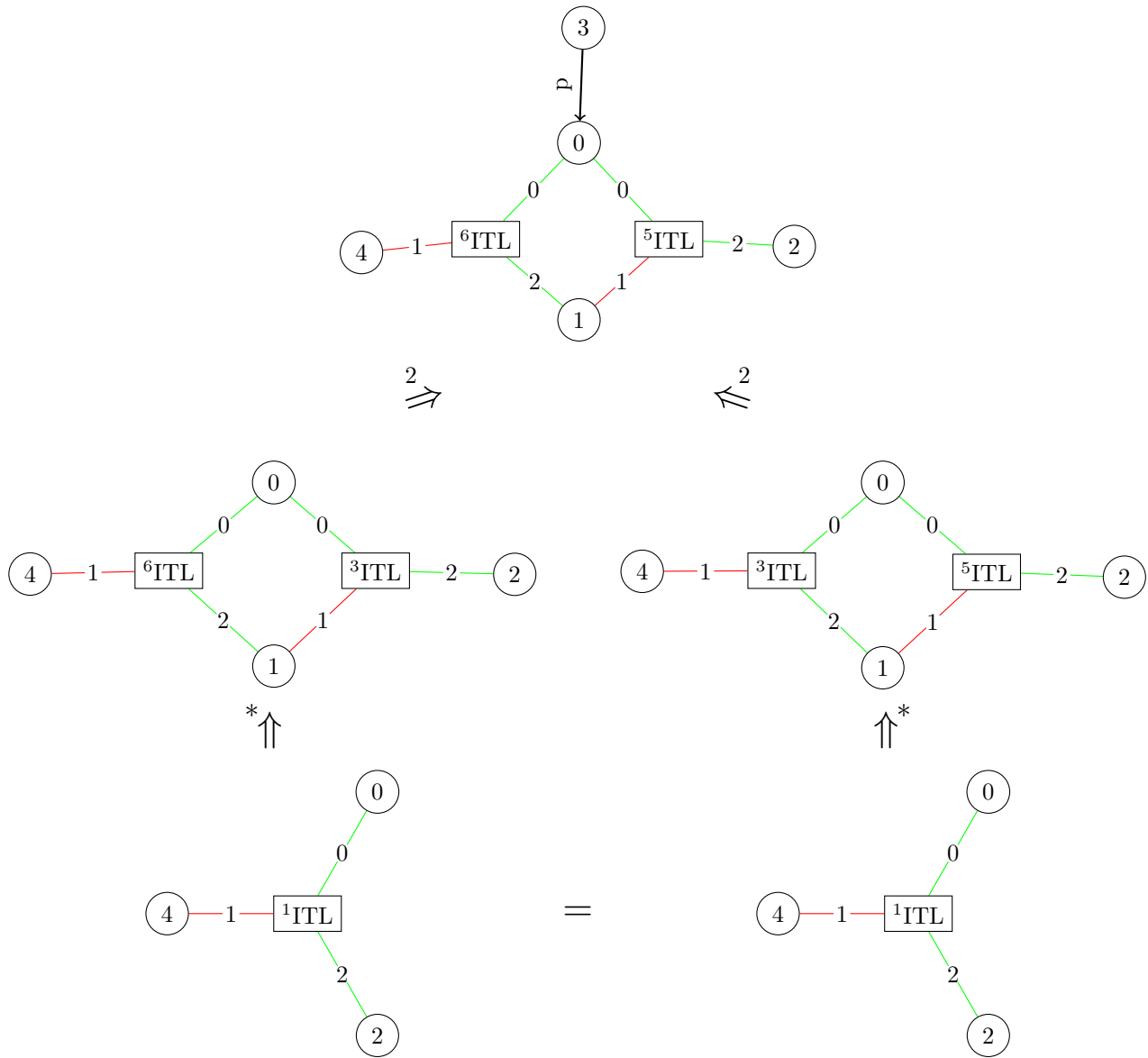## 1.15 Critical Pair (Strongly Joinable)

1.16 Critical Pair (Strongly Joinable)

1.17 Critical Pair (Strongly Joinable)

1.18 Critical Pair (Strongly Joinable)

1.19 Critical Pair (Strongly Joinable)

1.20 Critical Pair (Strongly Joinable)

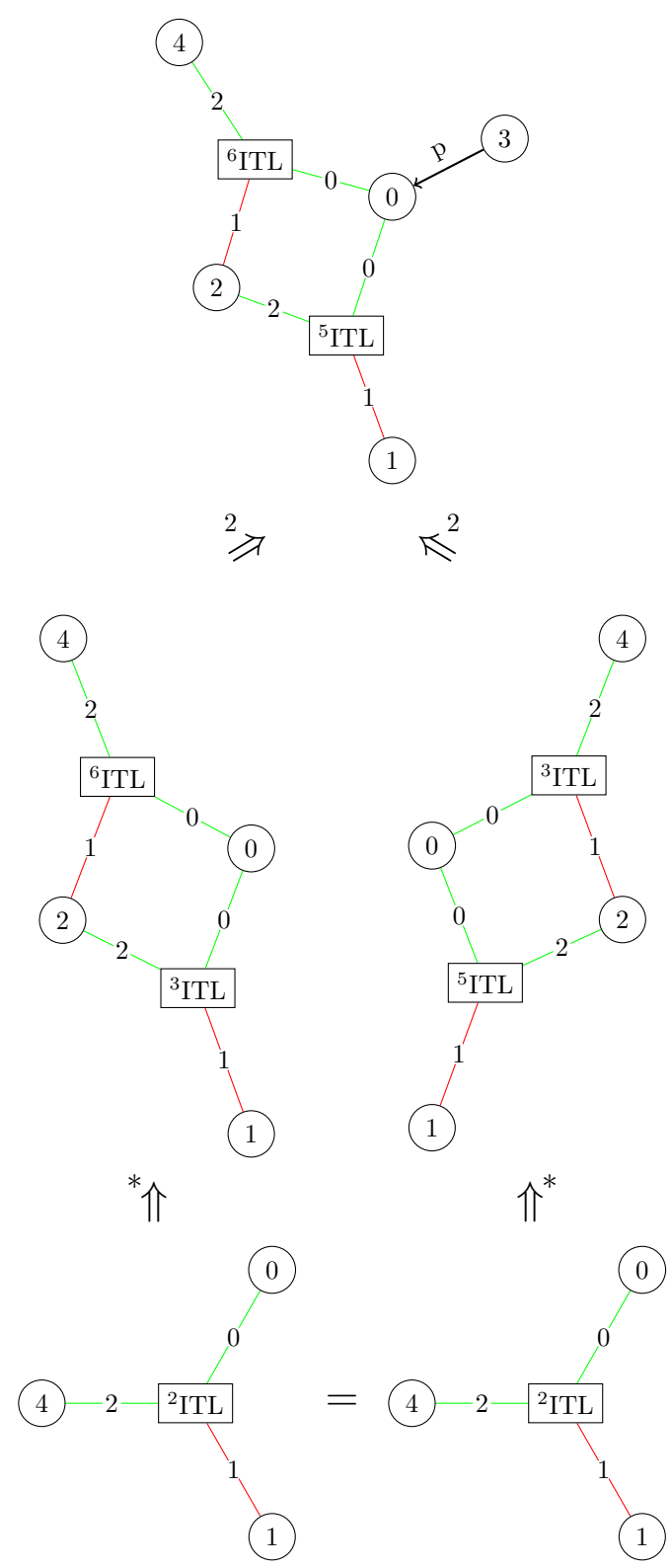## 1.21 Critical Pair (Strongly Joinable)
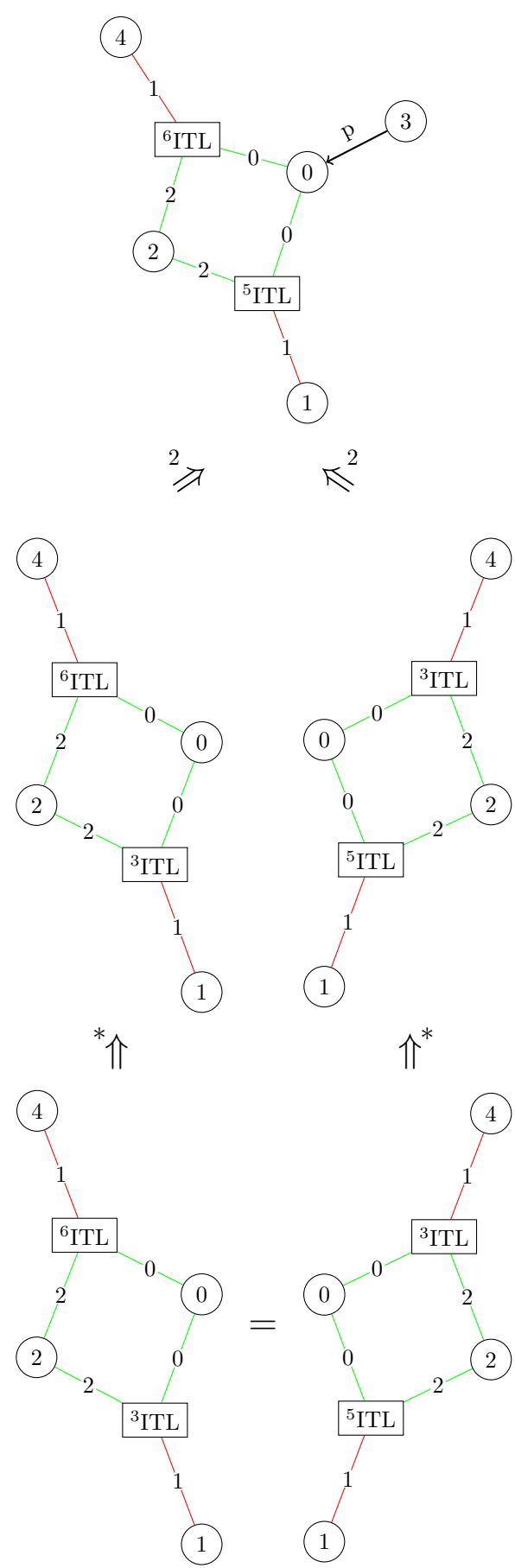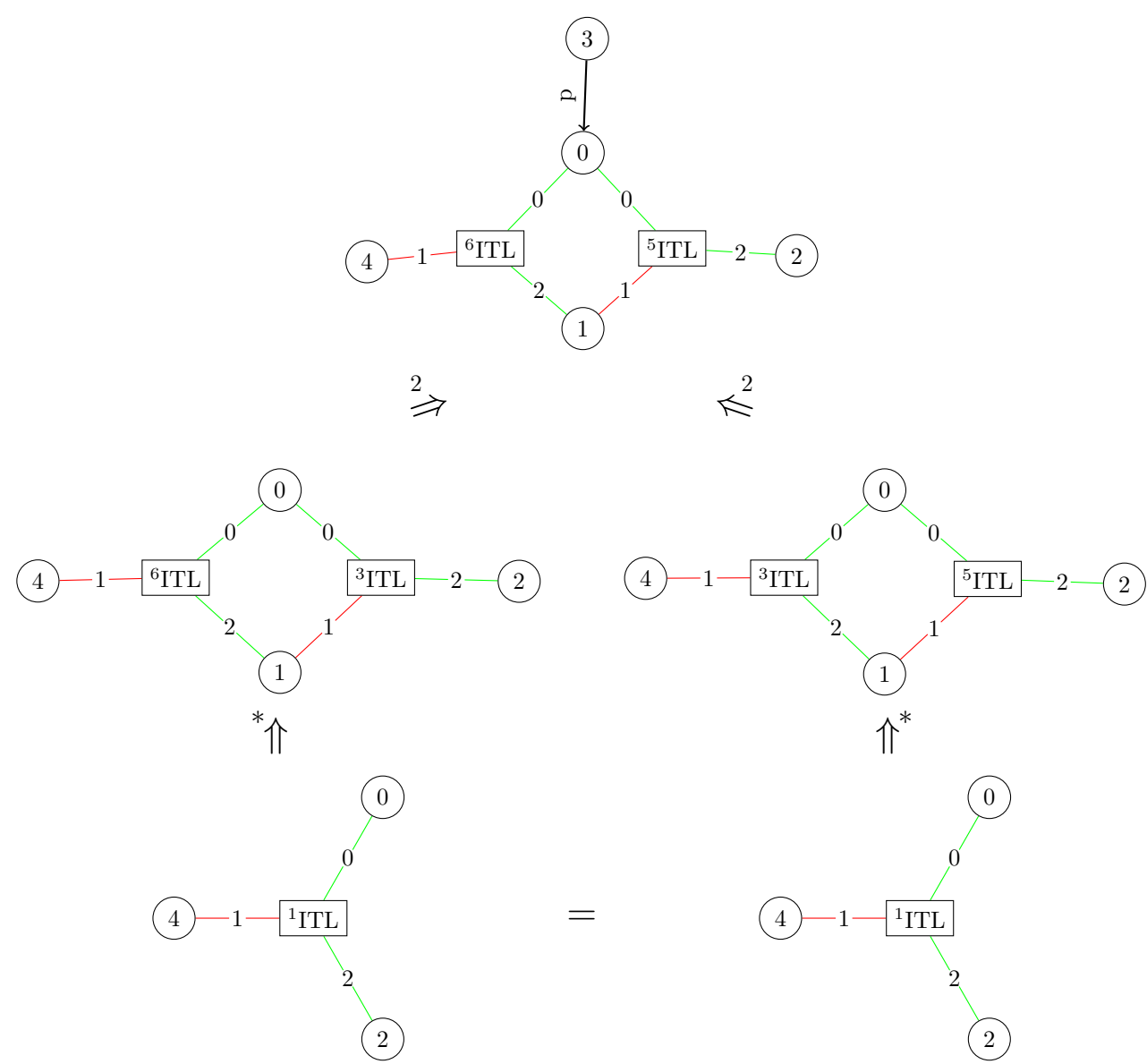
1.22 Critical Pair (Strongly Joinable)
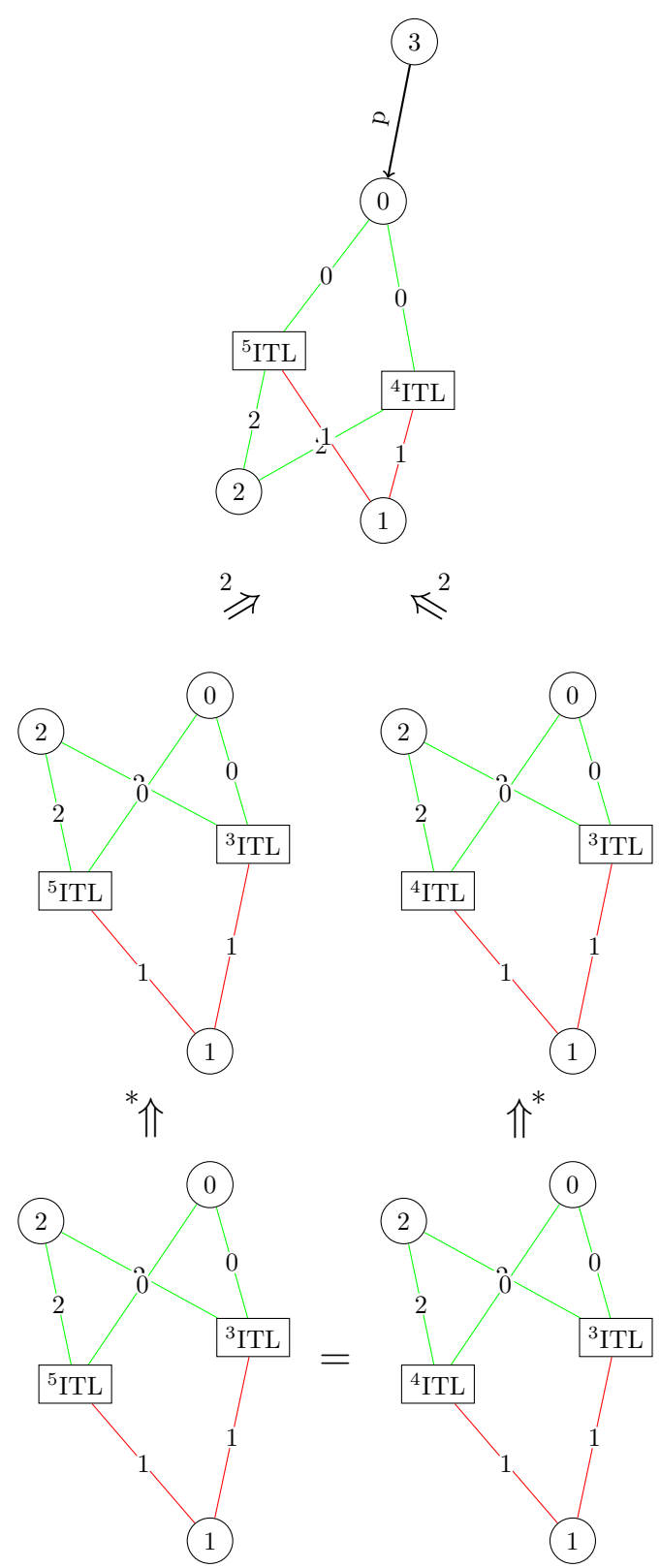
1.23   Critical Pair (Strongly Joinable)

1.24 Critical Pair (Strongly Joinable)

1.25 Critical Pair (Strongly Joinable)

1.26 Critical Pair (Strongly Joinable)
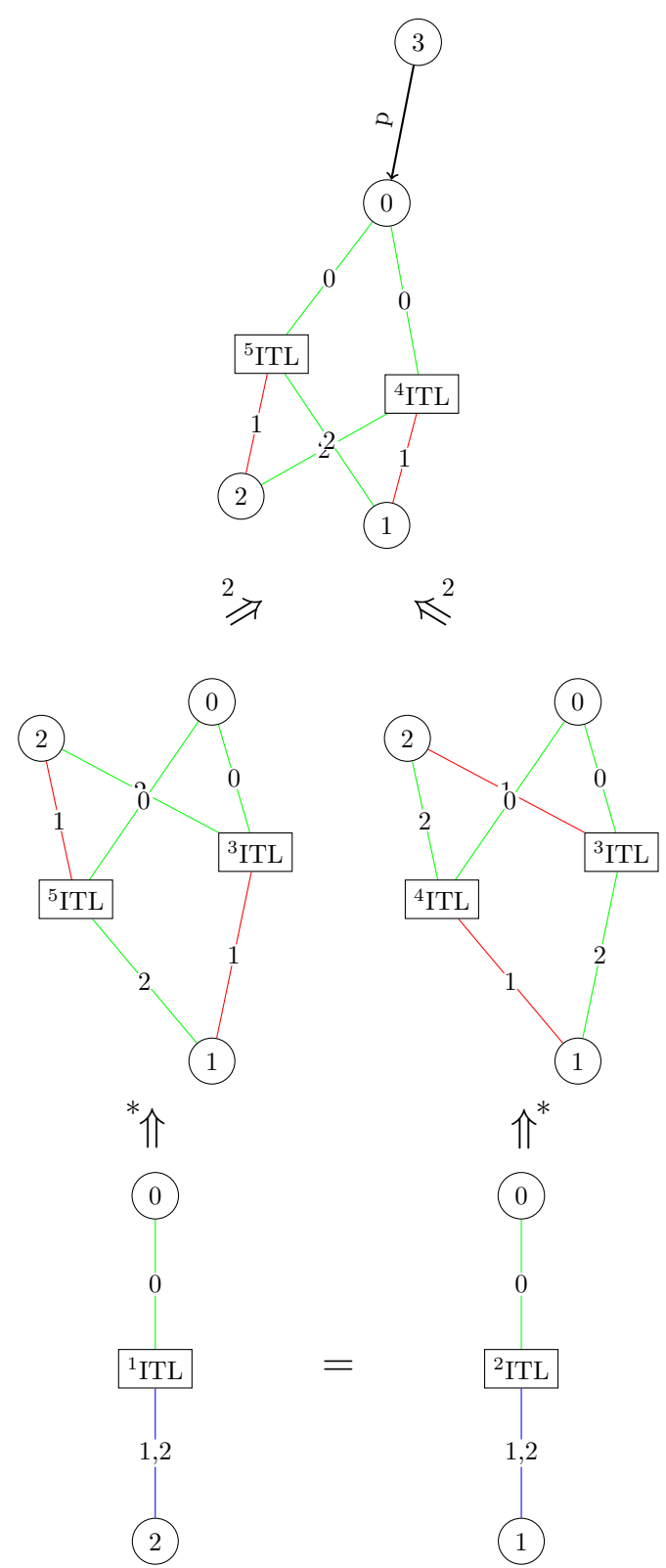
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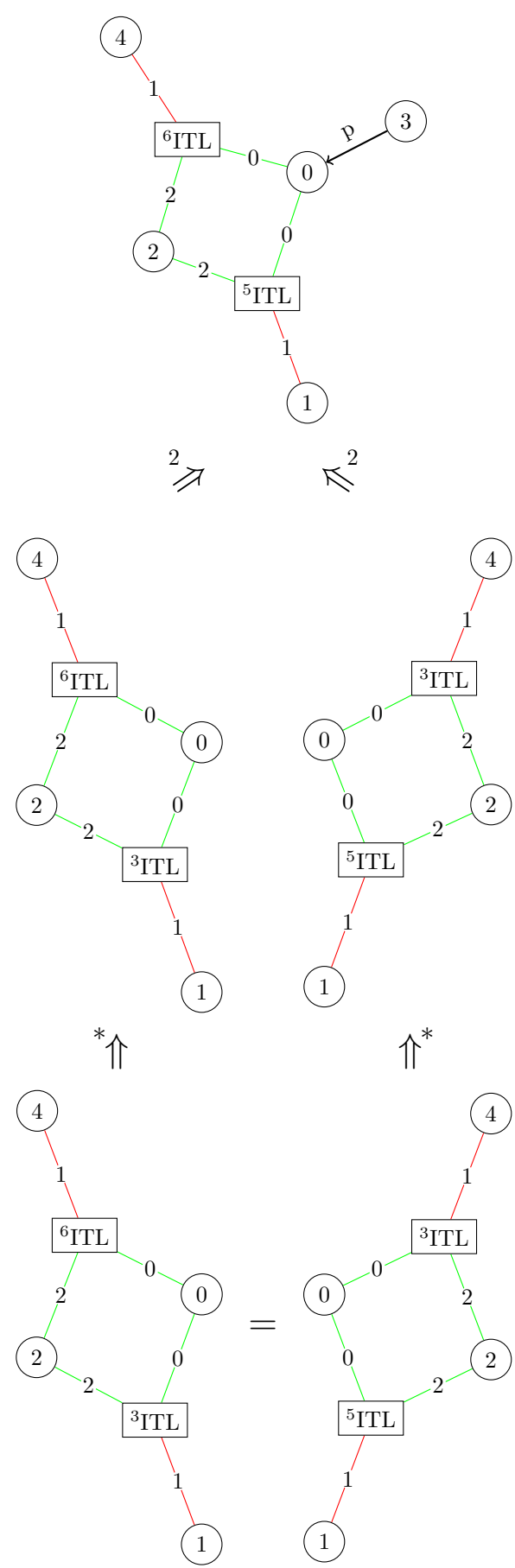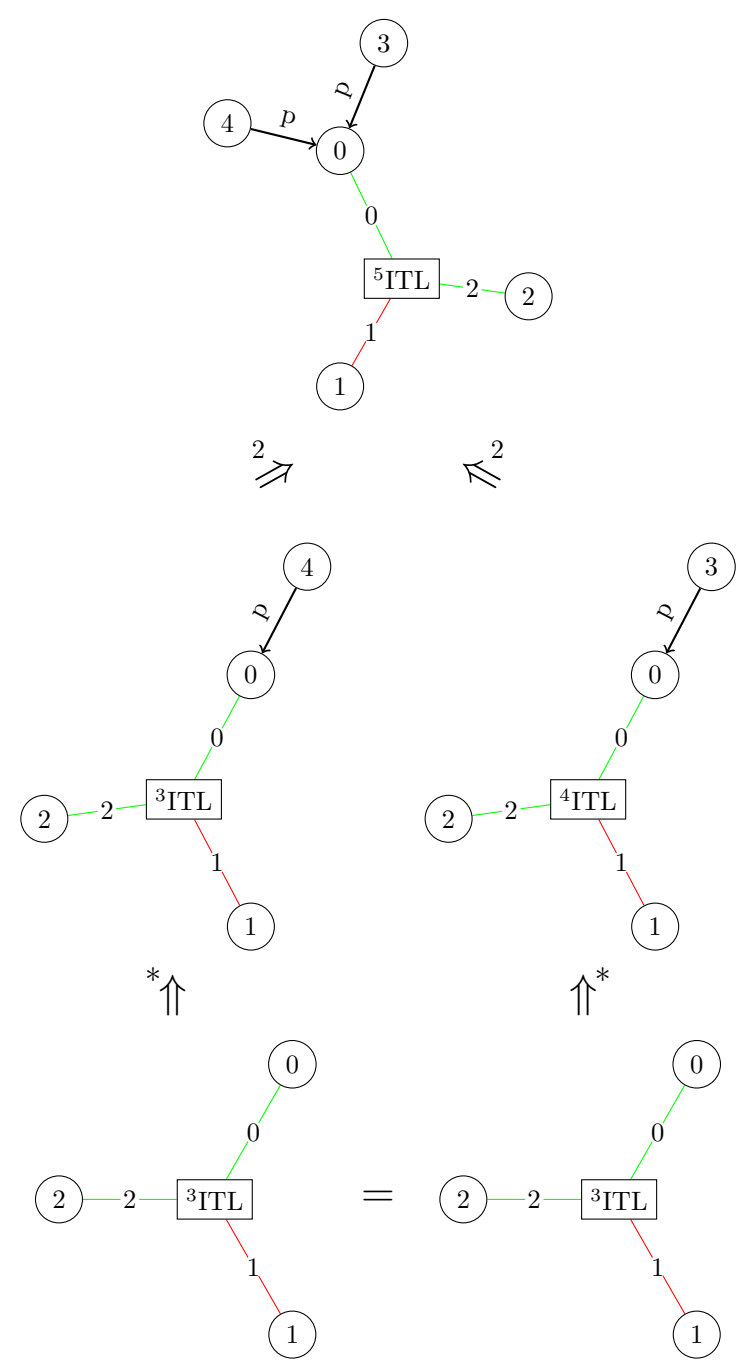
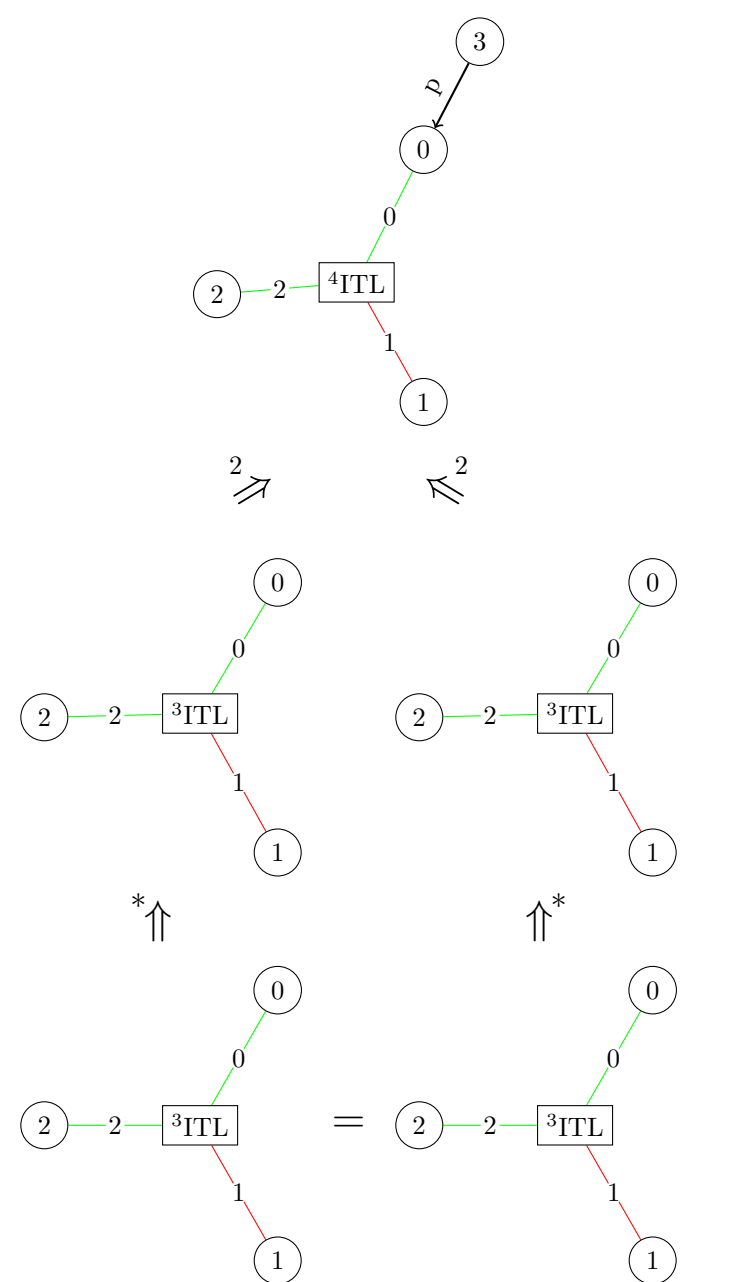## 1.28 Critical Pair (Strongly Joinable)

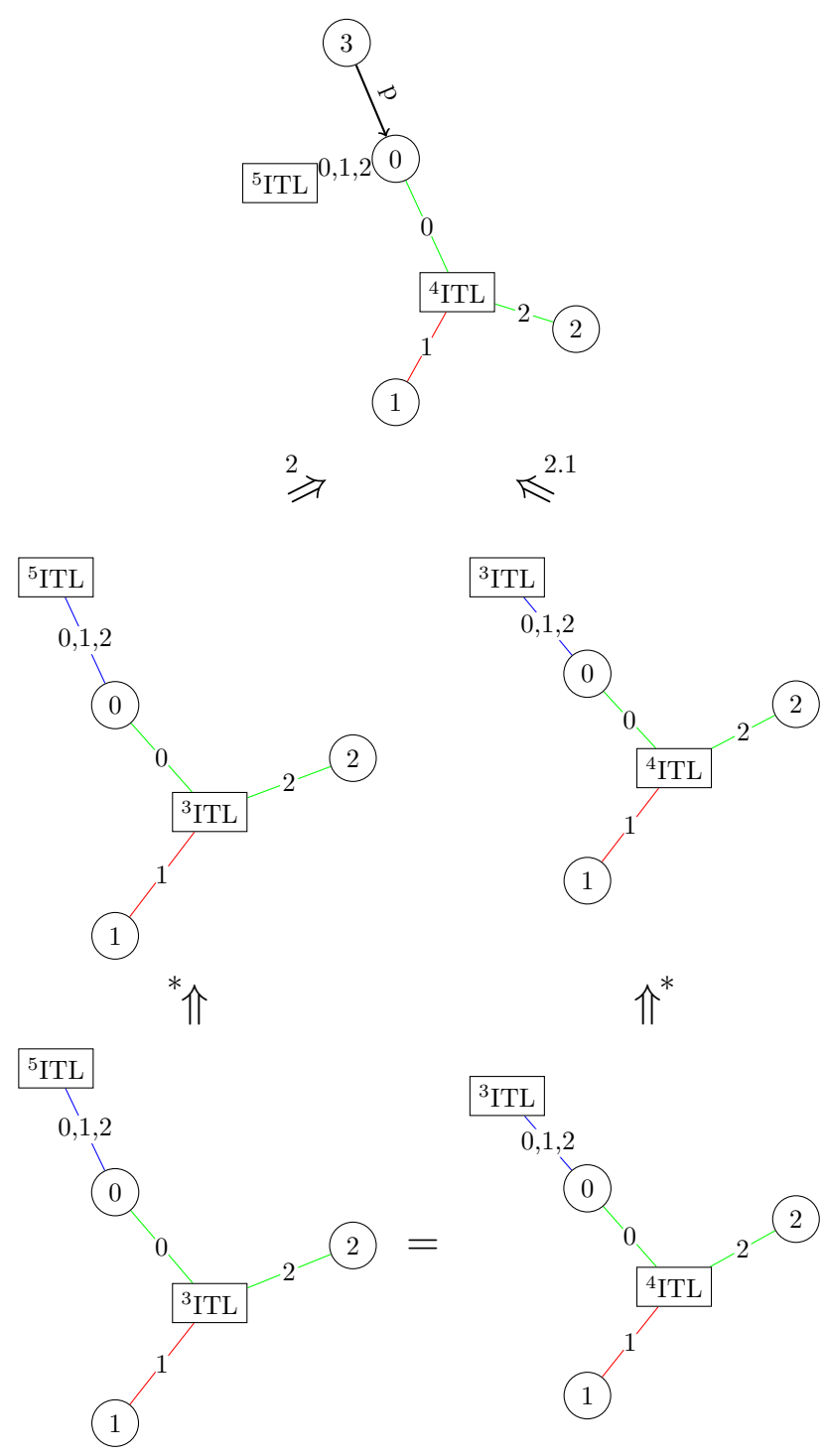## 1.29 Critical Pair (Strongly Joinable)

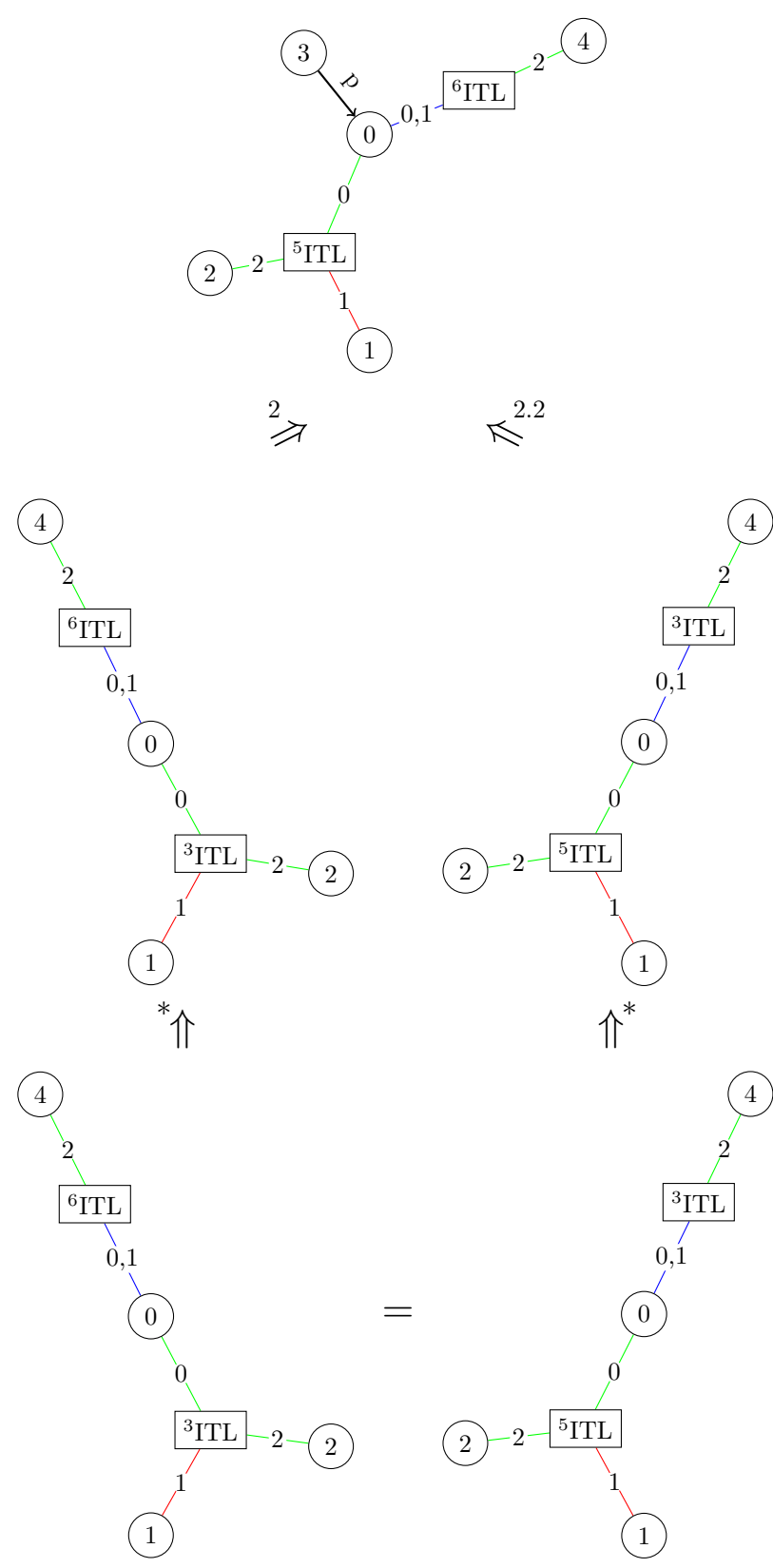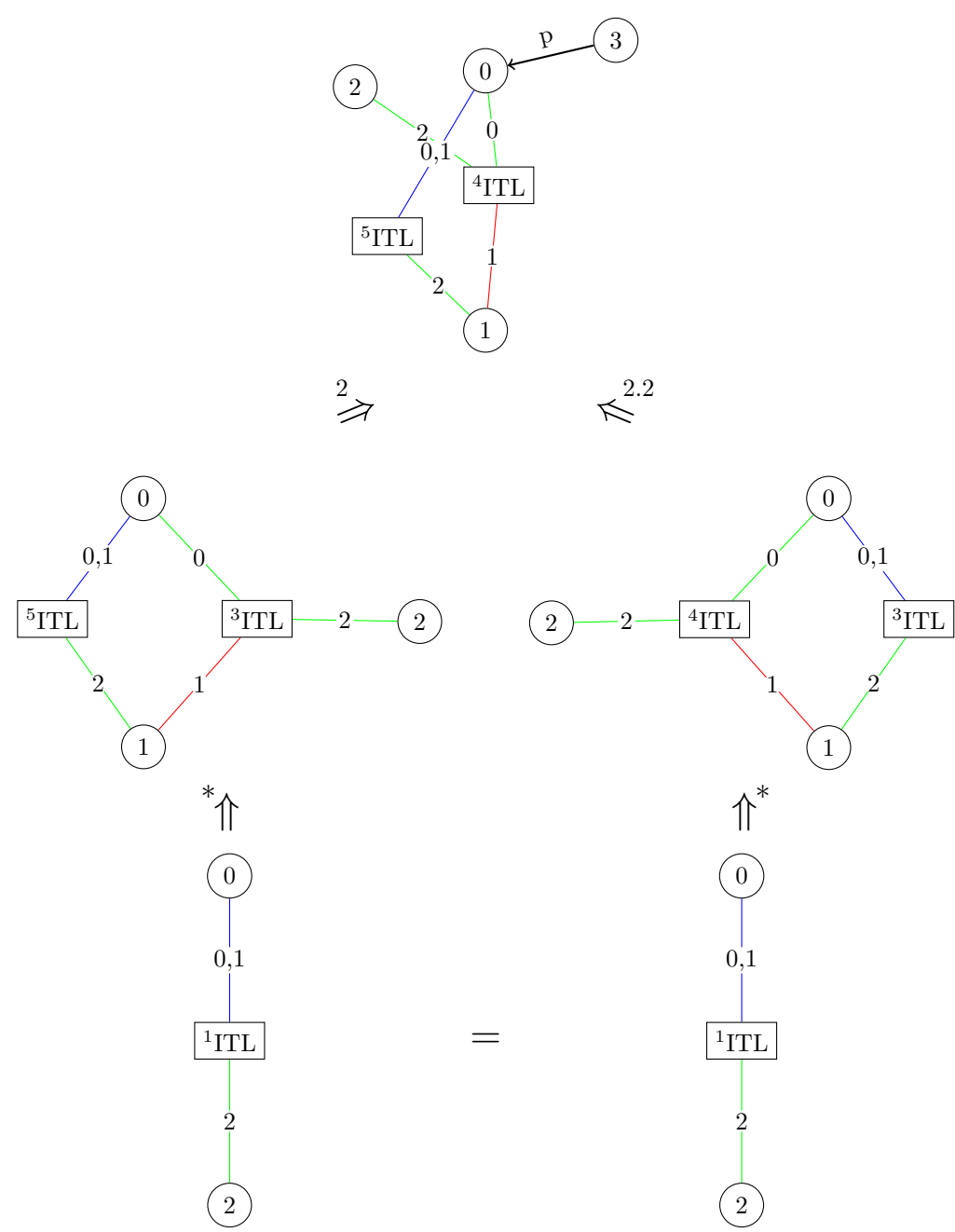## 1.30 Critical Pair (Strongly Joinable)

1.31 Critical Pair (Strongly Joinable)
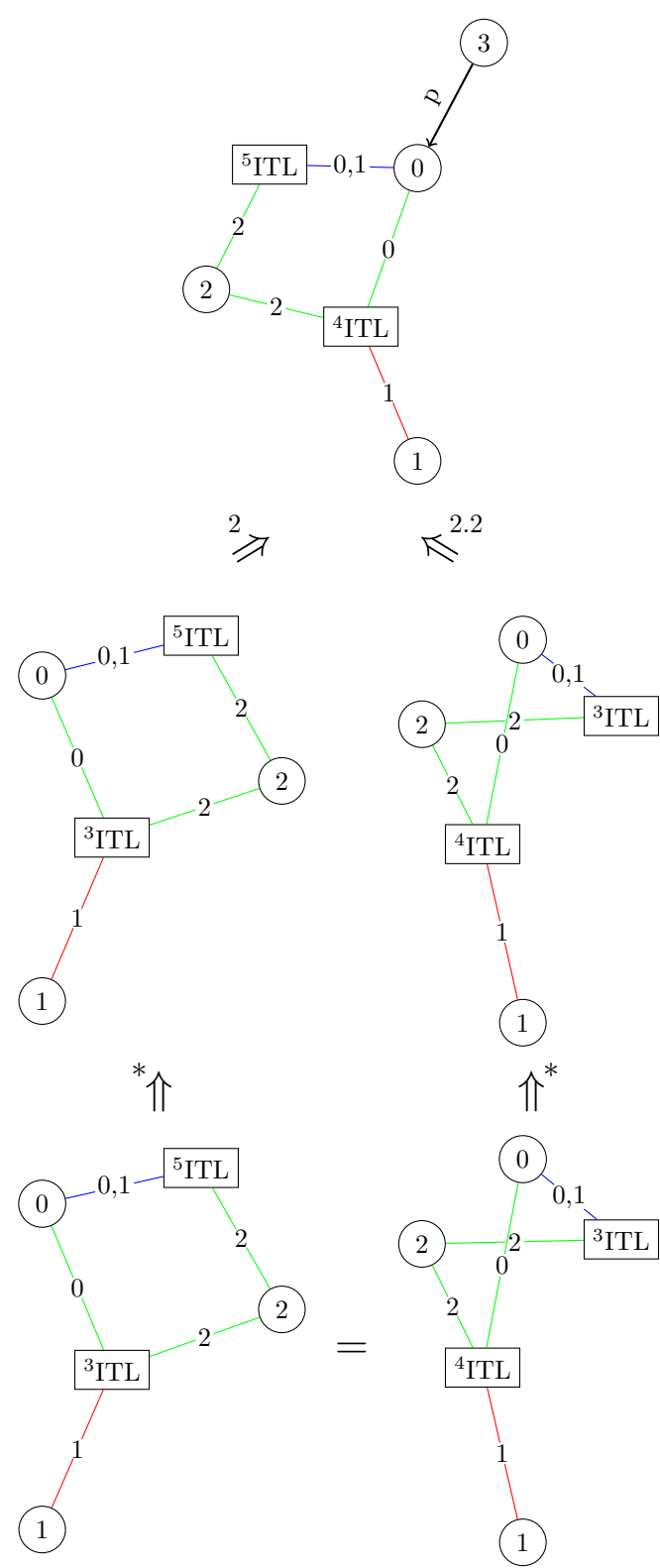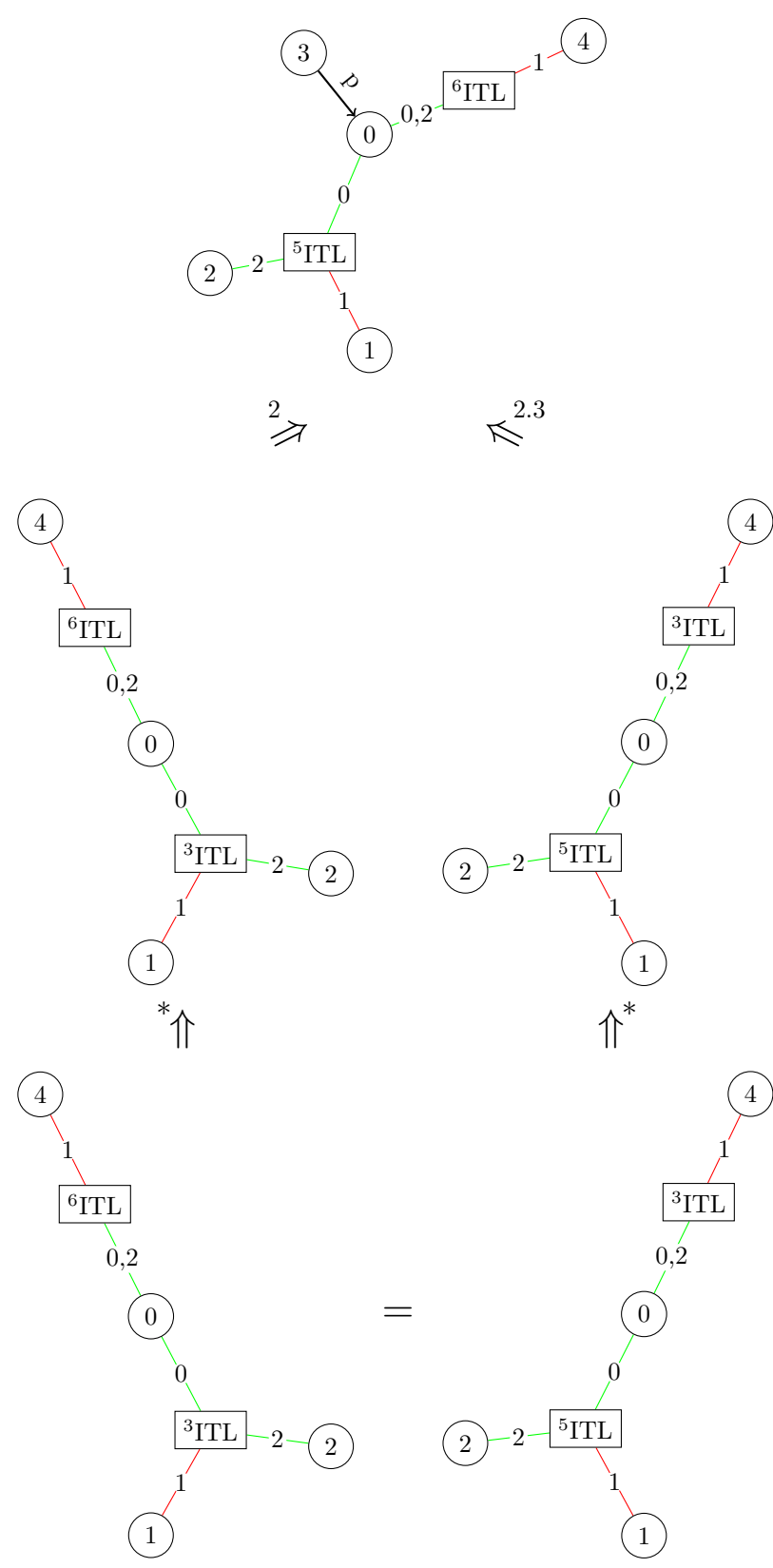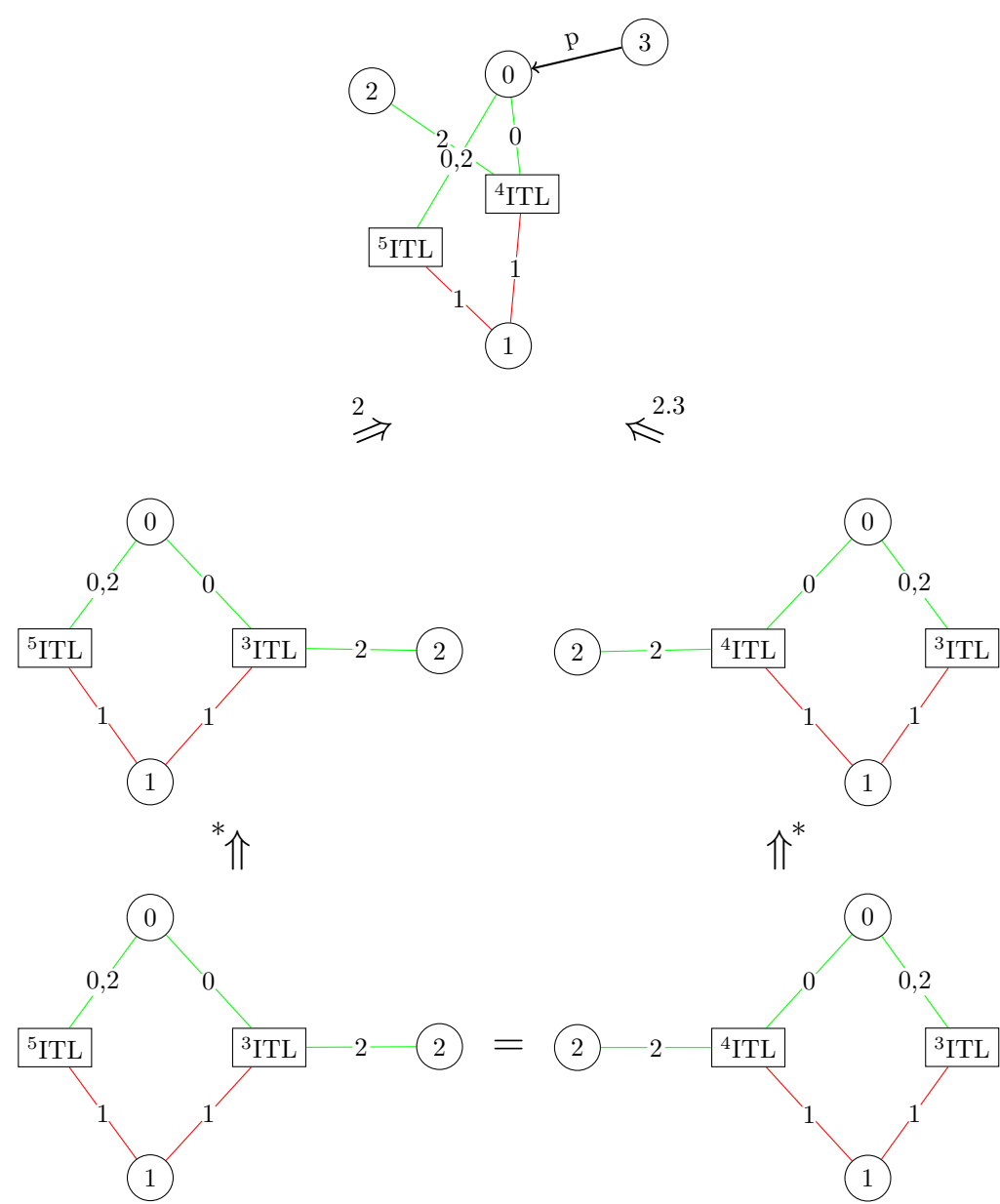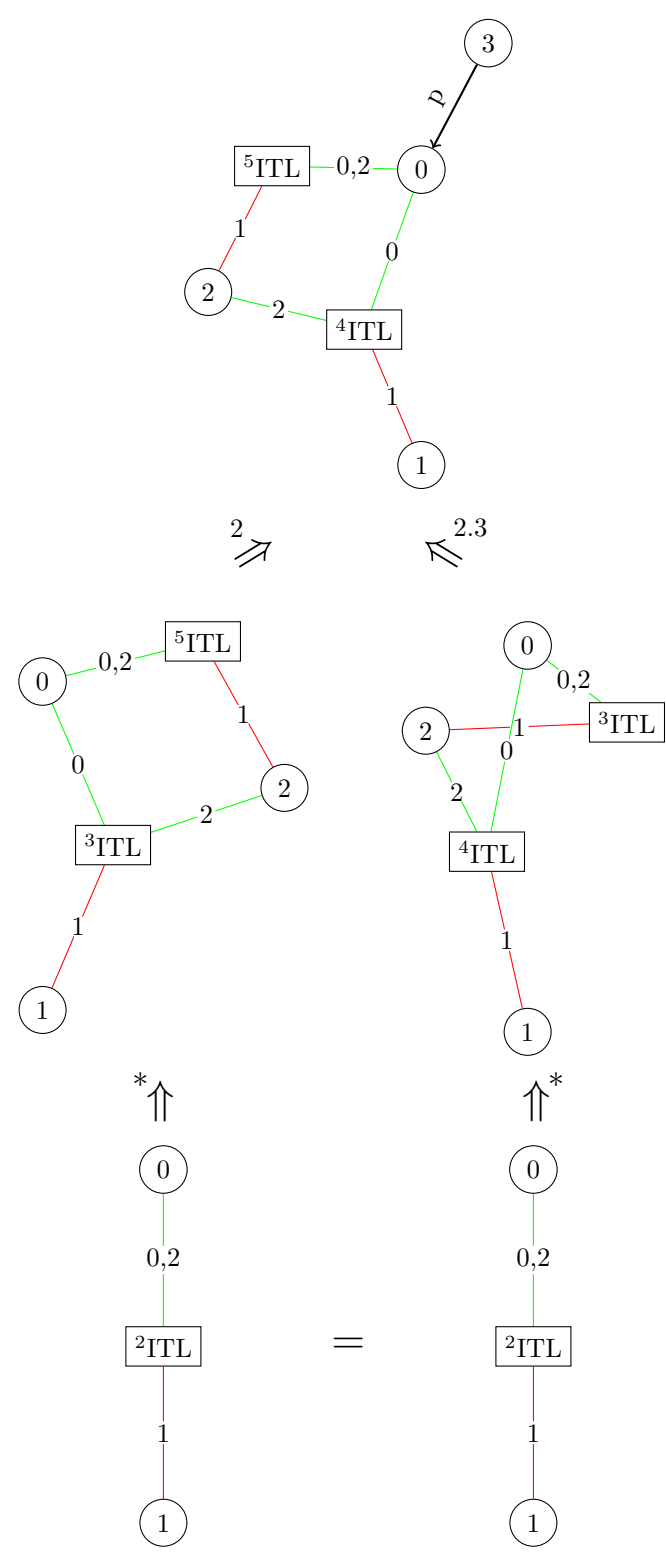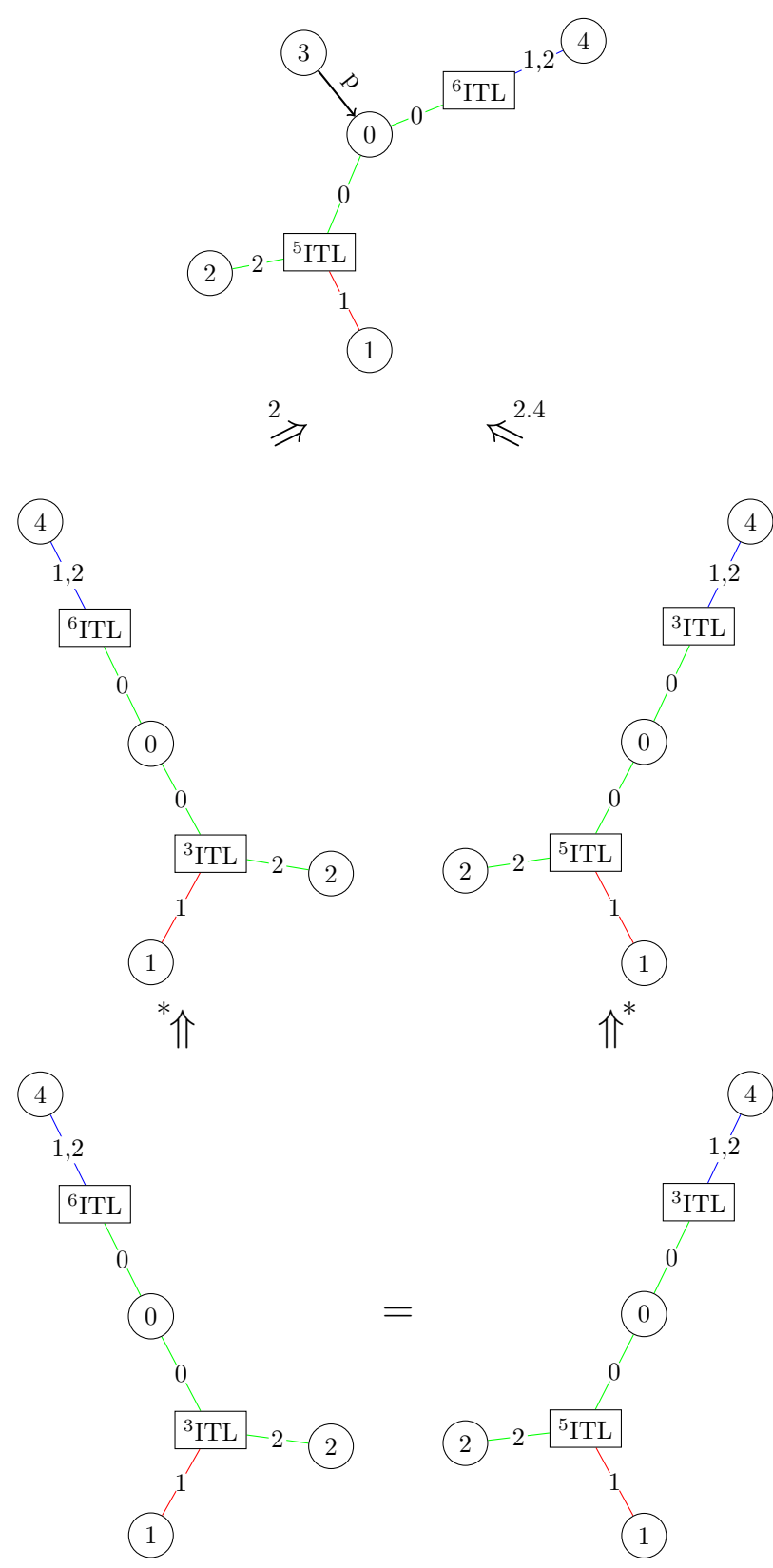
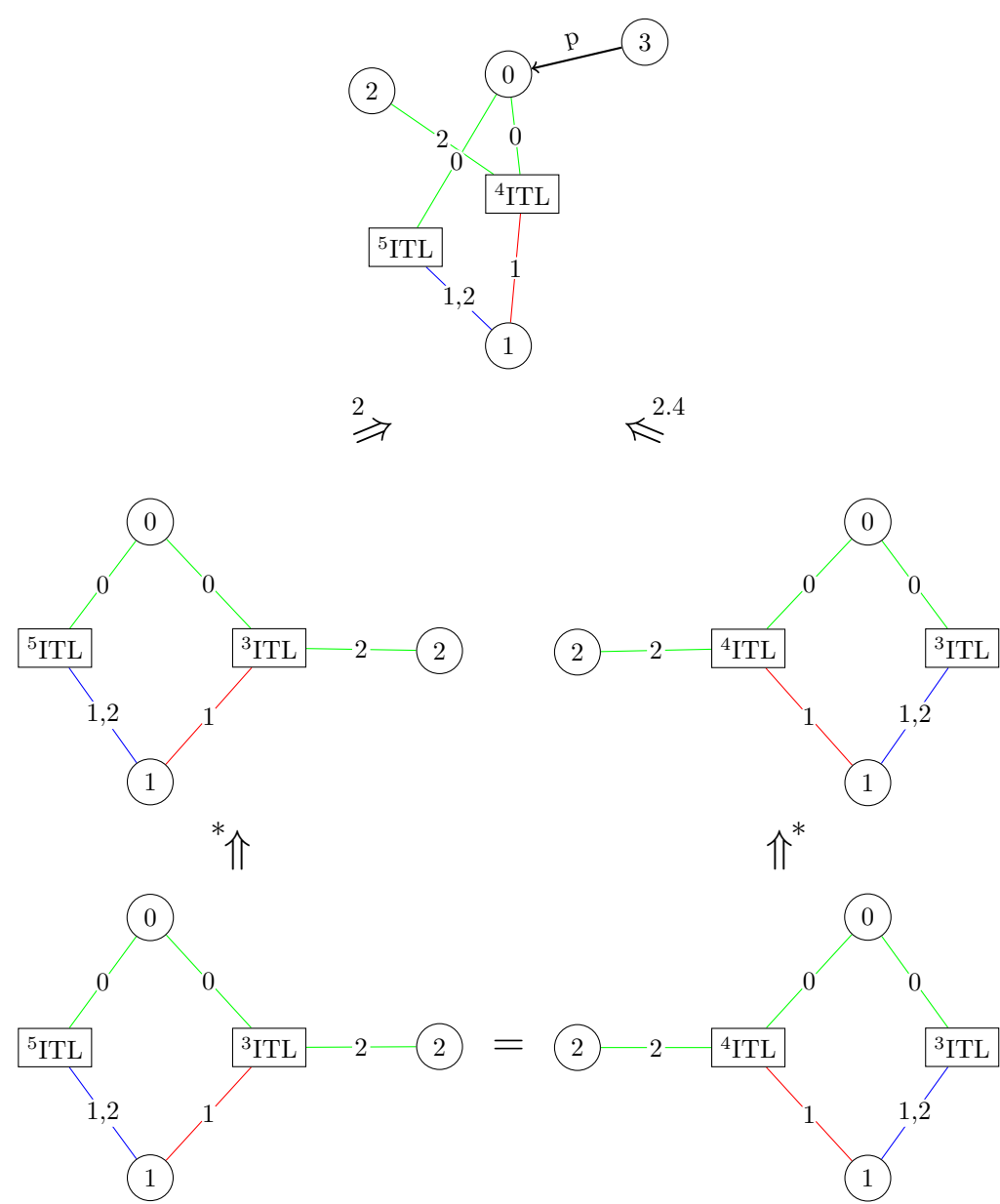## 1.32 Critical Pair (Strongly Joinable)

1.33 Critical Pair (Strongly Joinable)

1.34 Critical Pair (Strongly Joinable)

1.35 Critical Pair (Strongly Joinable)

$\boxed{^2\text{ITL}}$

0,1,2

(0)

p

(1)

2.1 $\nearrow$ $\nwarrow$ 2.1

(0) (0)

0,1,2   0,1,2

$\boxed{^1\text{ITL}}$ $\boxed{^1\text{ITL}}$

$^*\Uparrow$ $\Uparrow^*$

(0) (0)

0,1,2   =   0,1,2

$\boxed{^1\text{ITL}}$ $\boxed{^1\text{ITL}}$

1.36 Critical Pair (Strongly Joinable)

1.37 Critical Pair (Strongly Joinable)

1.38 Critical Pair (Strongly Joinable)

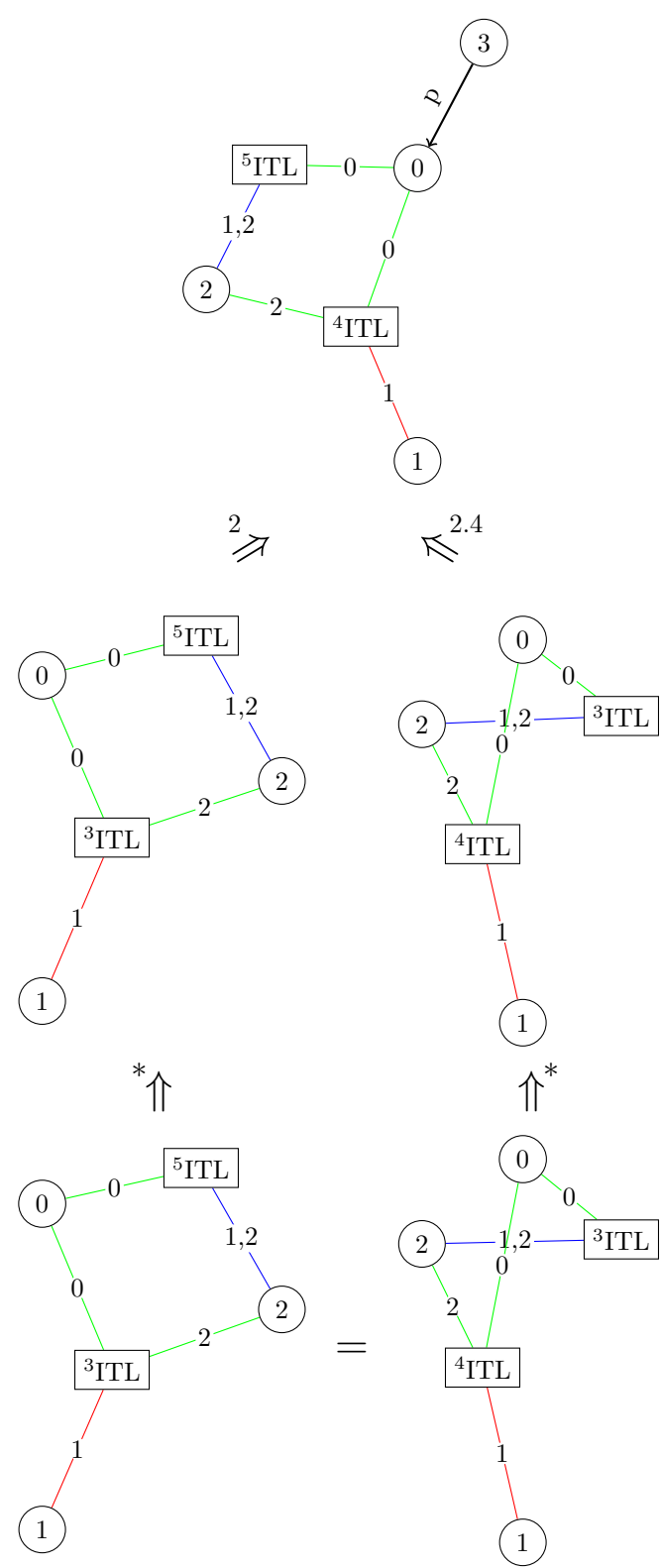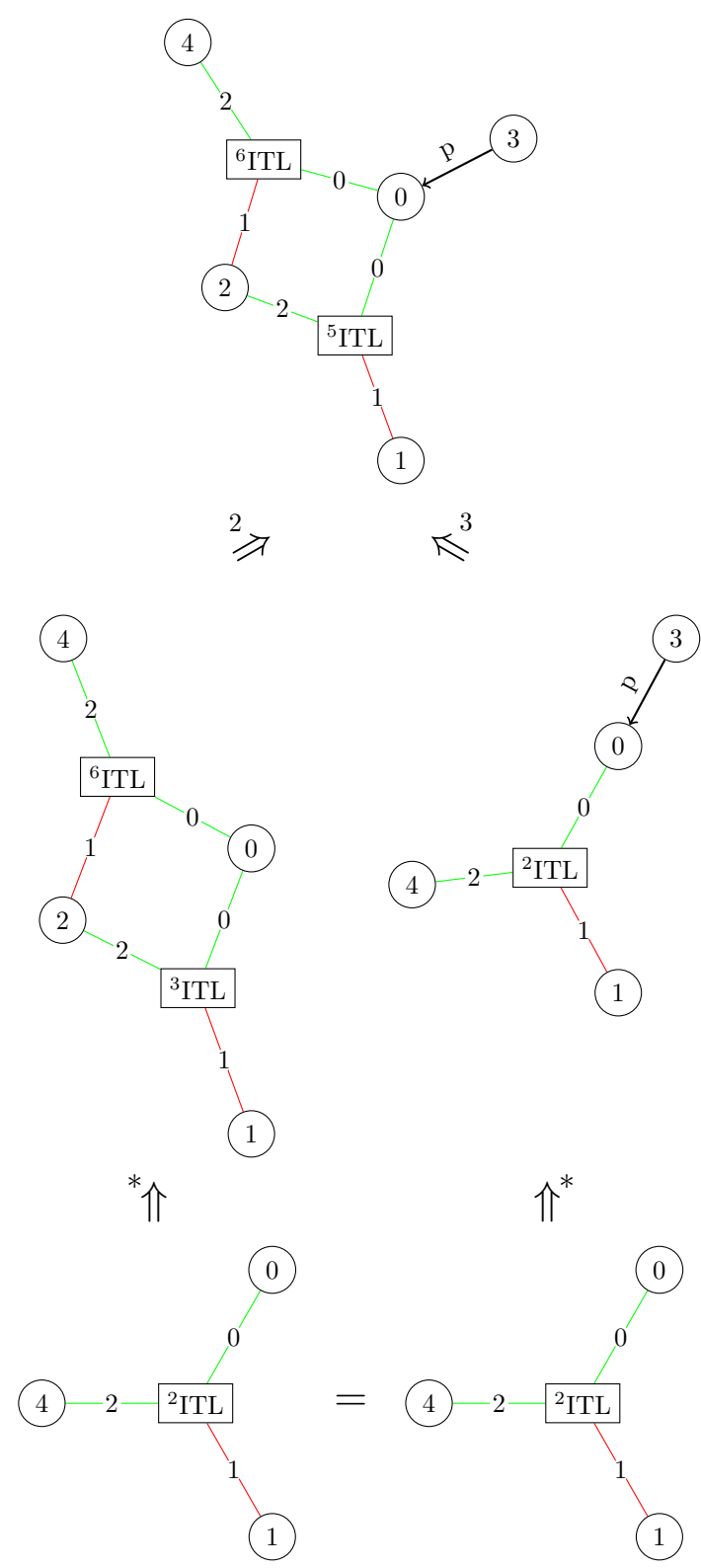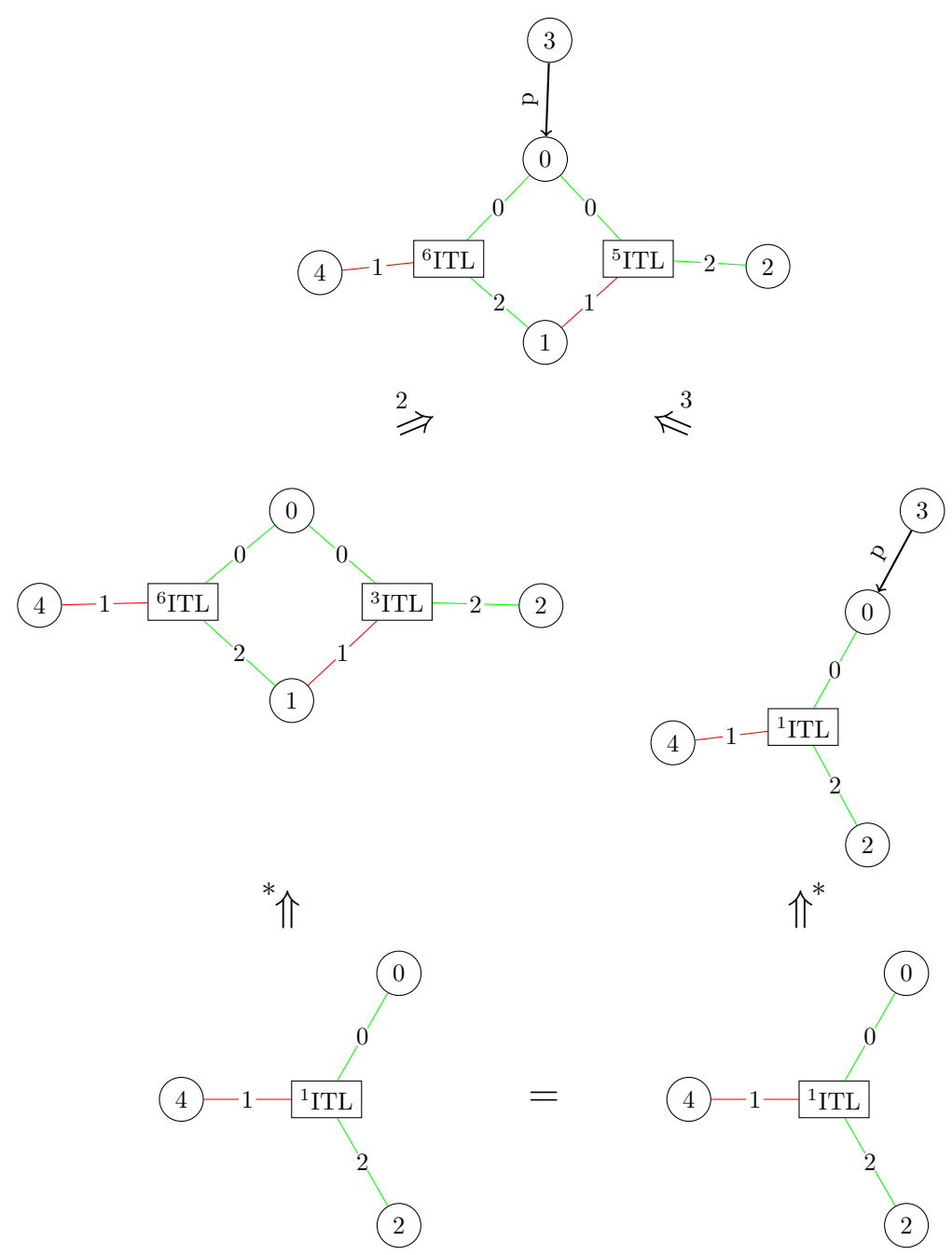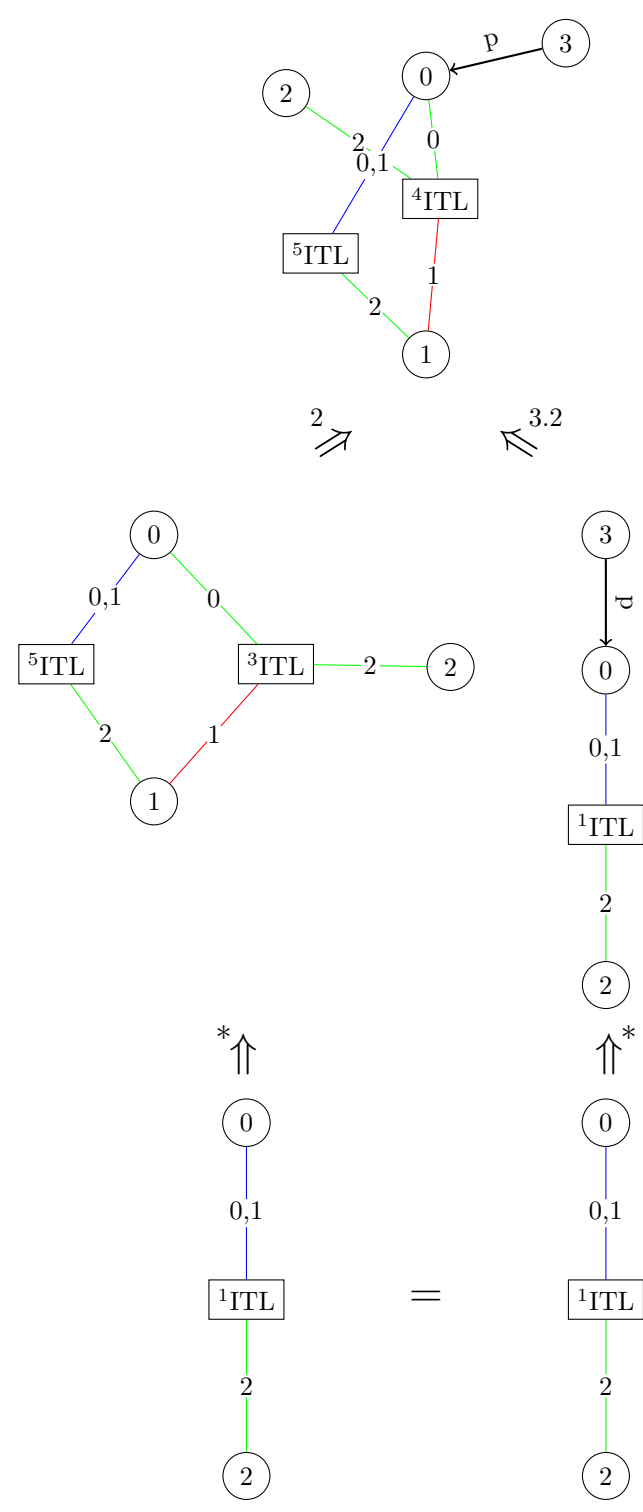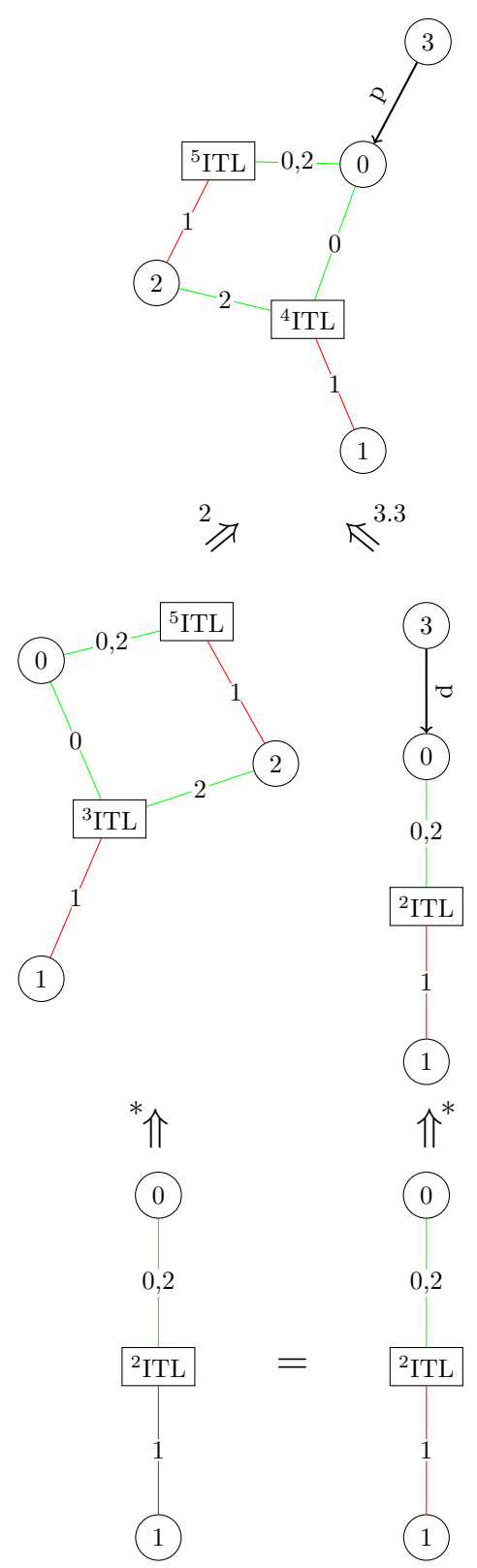## 1.39 Critical Pair (Strongly Joinable)

1.40   Critical Pair (Strongly Joinable)
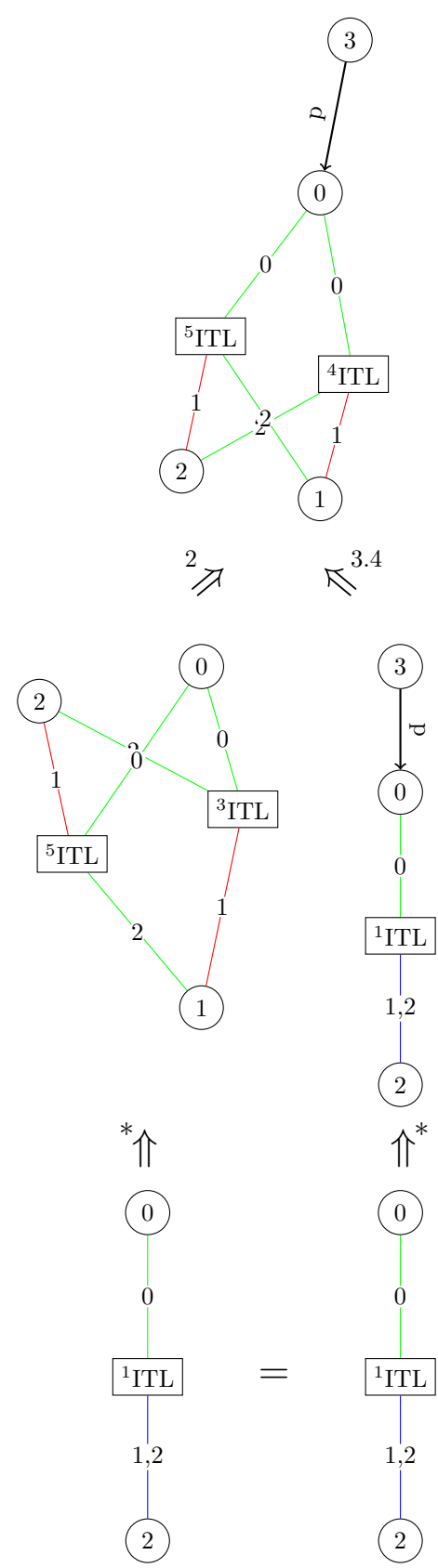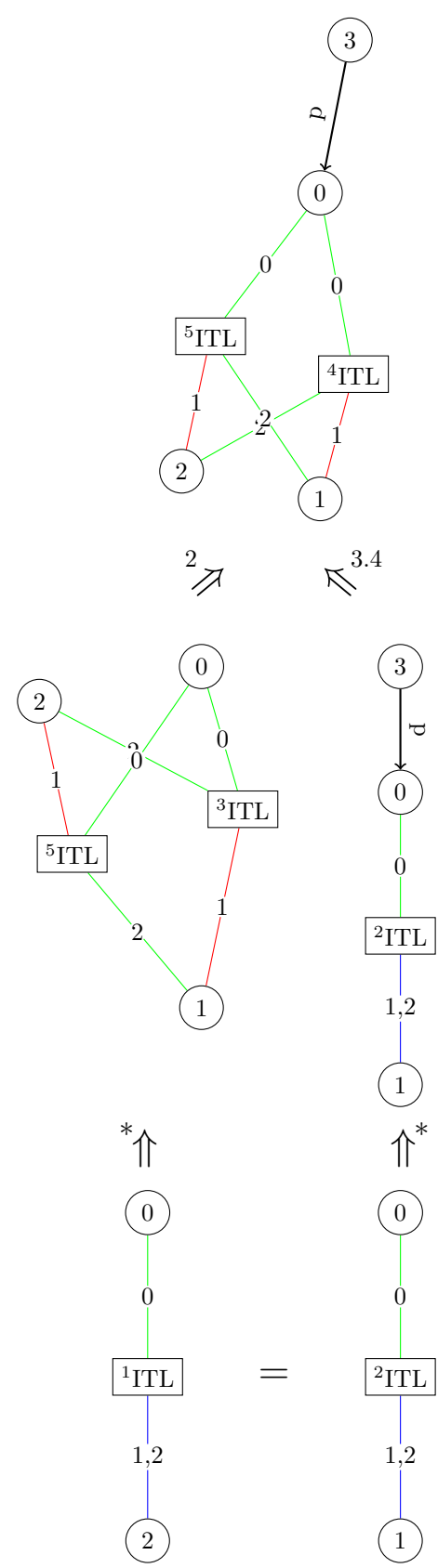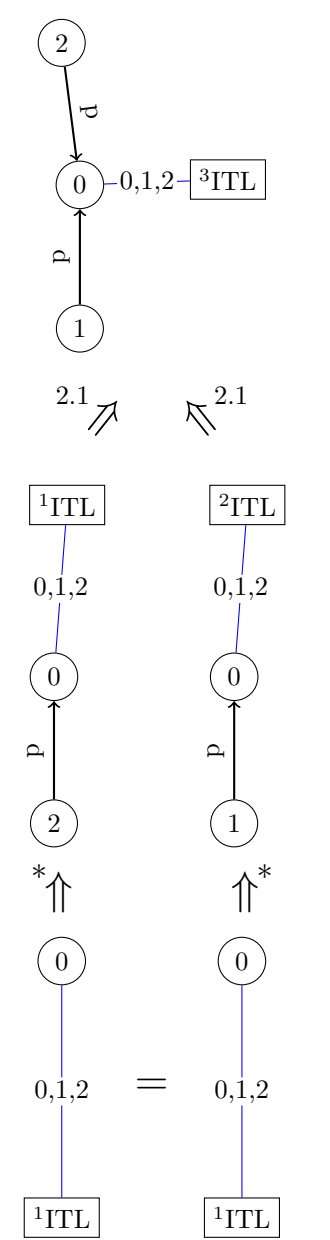
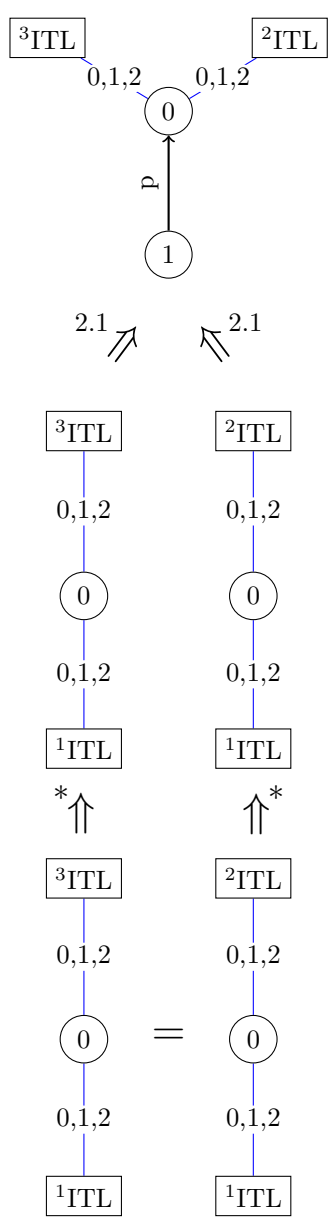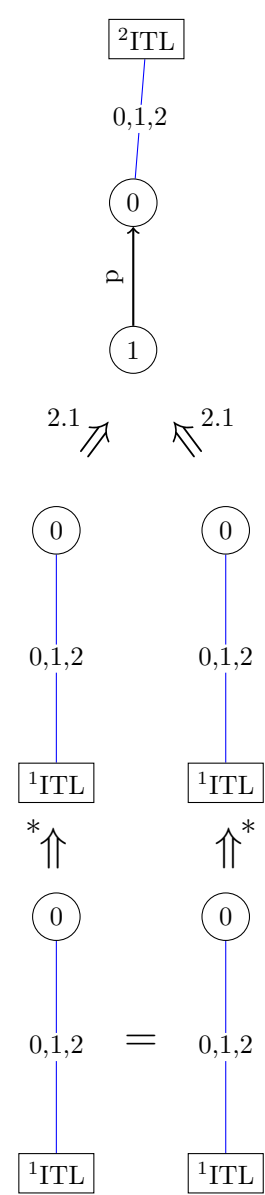## 1.41   Critical Pair (Strongly Joinable)

1.42 Critical Pair (Strongly Joinable)

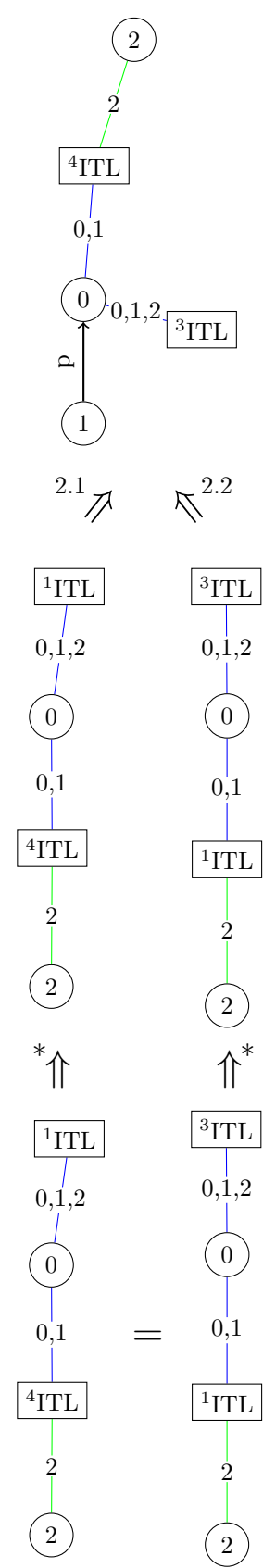## 1.43 Critical Pair (Strongly Joinable)

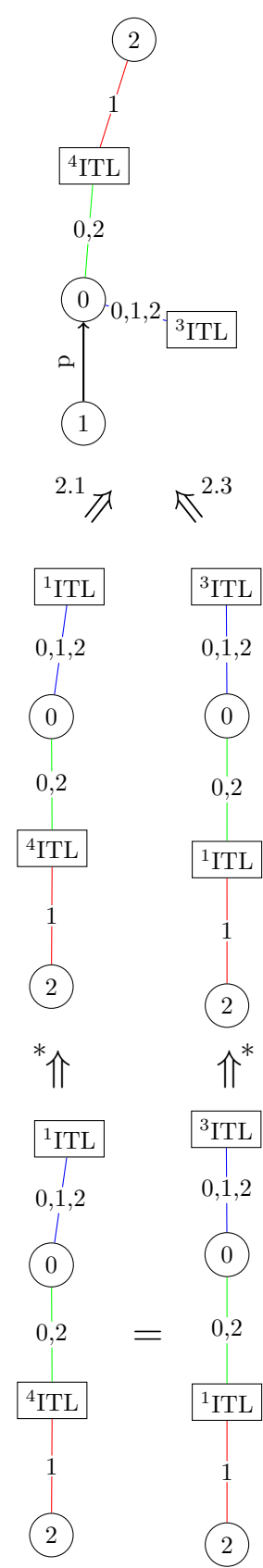## 1.44 Critical Pair (Strongly Joinable)

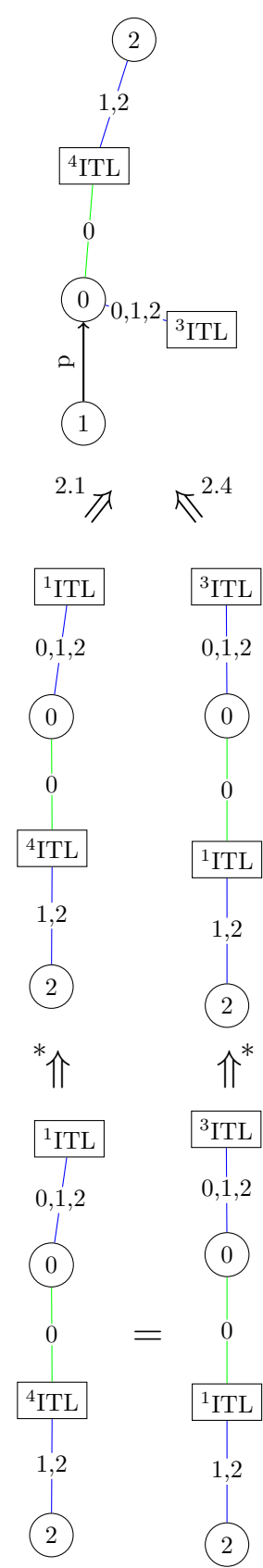## 1.45 Critical Pair (Strongly Joinable)

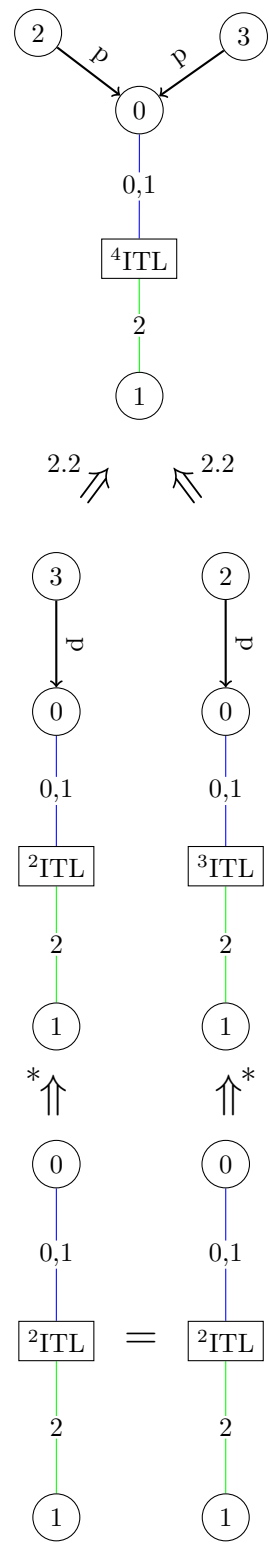## 1.46 Critical Pair (Strongly Joinable)

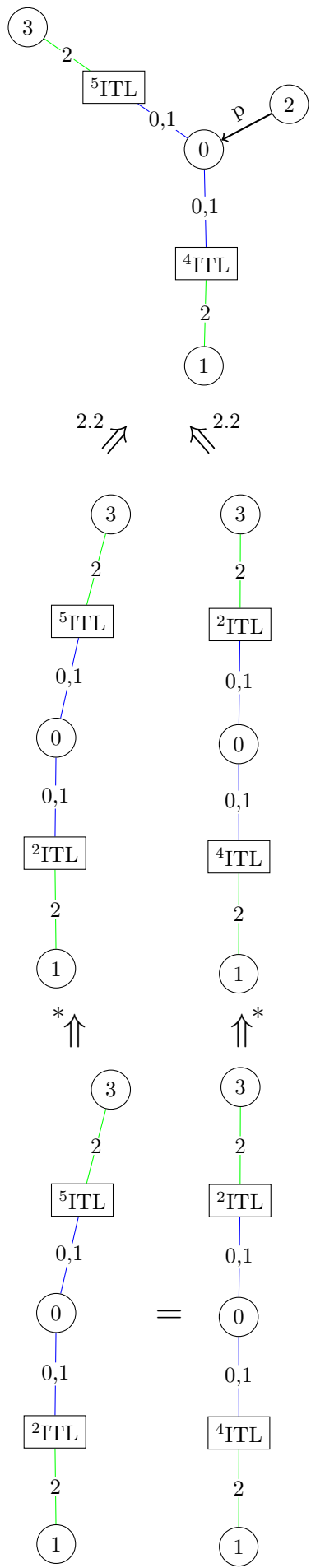## 1.47 Critical Pair (Strongly Joinable)

1.48 Critical Pair (Strongly Joinable)

1.49 Critical Pair (Strongly Joinable)

1.50 Critical Pair (Strongly Joinable)

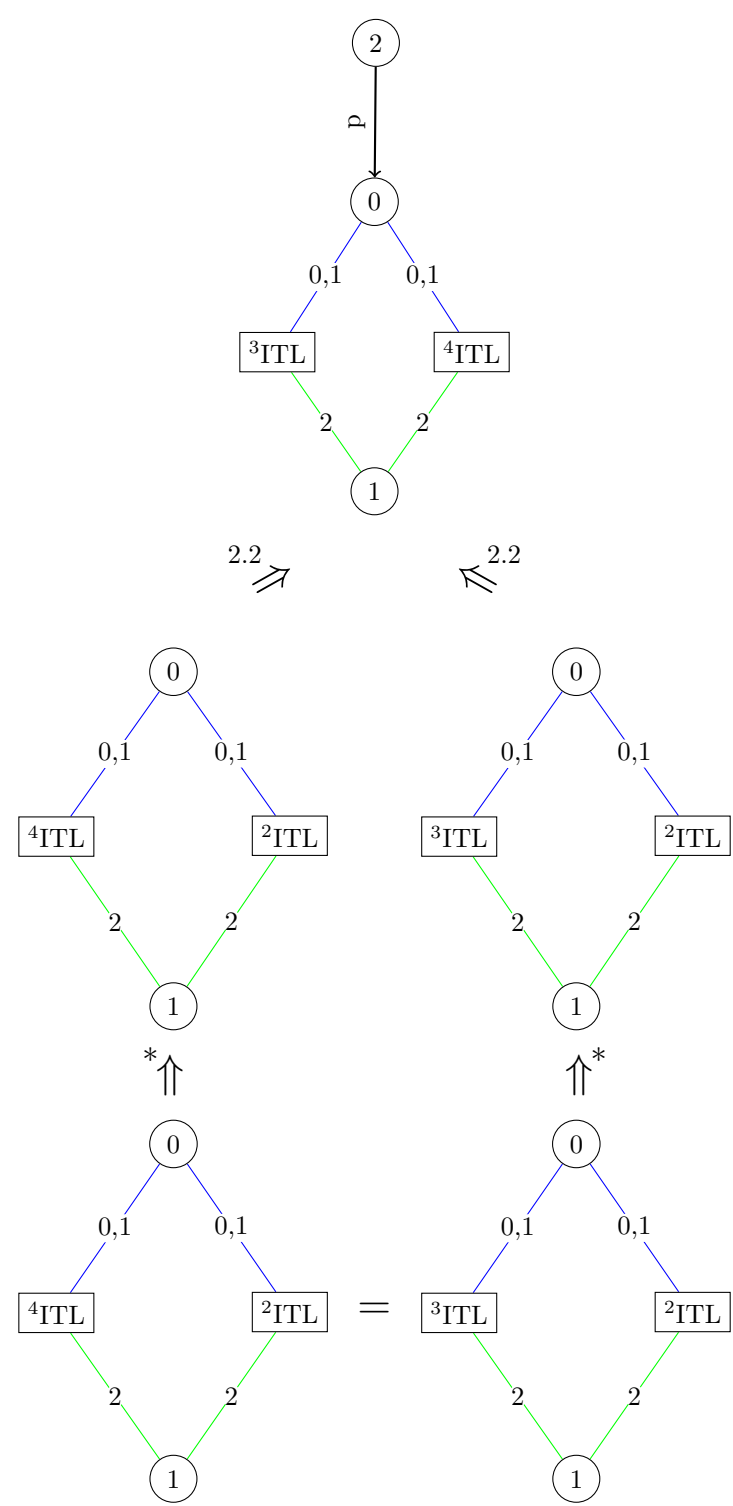## 1.51 Critical Pair (Strongly Joinable)
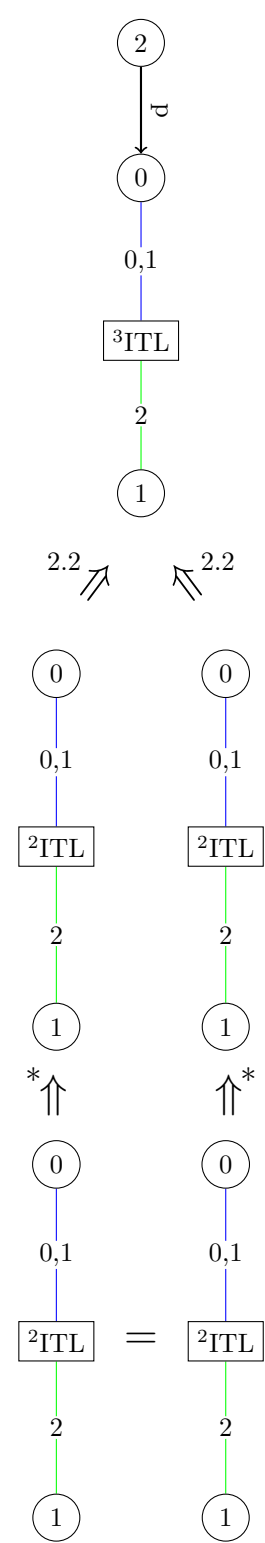
1.52 Critical Pair (Strongly Joinable)

1.53 Critical Pair (Strongly Joinable)

1.54   Critical Pair (Strongly Joinable)
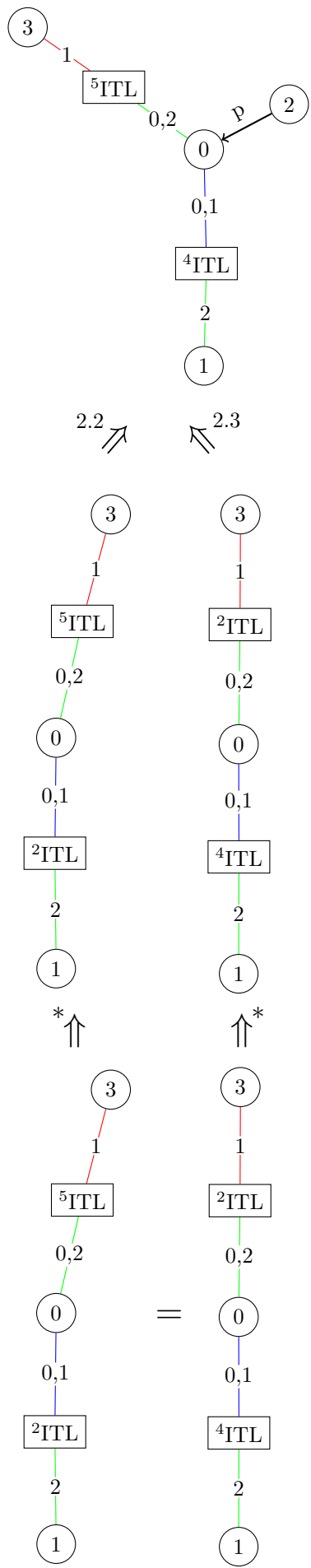
1.55   Critical Pair (Strongly Joinable)
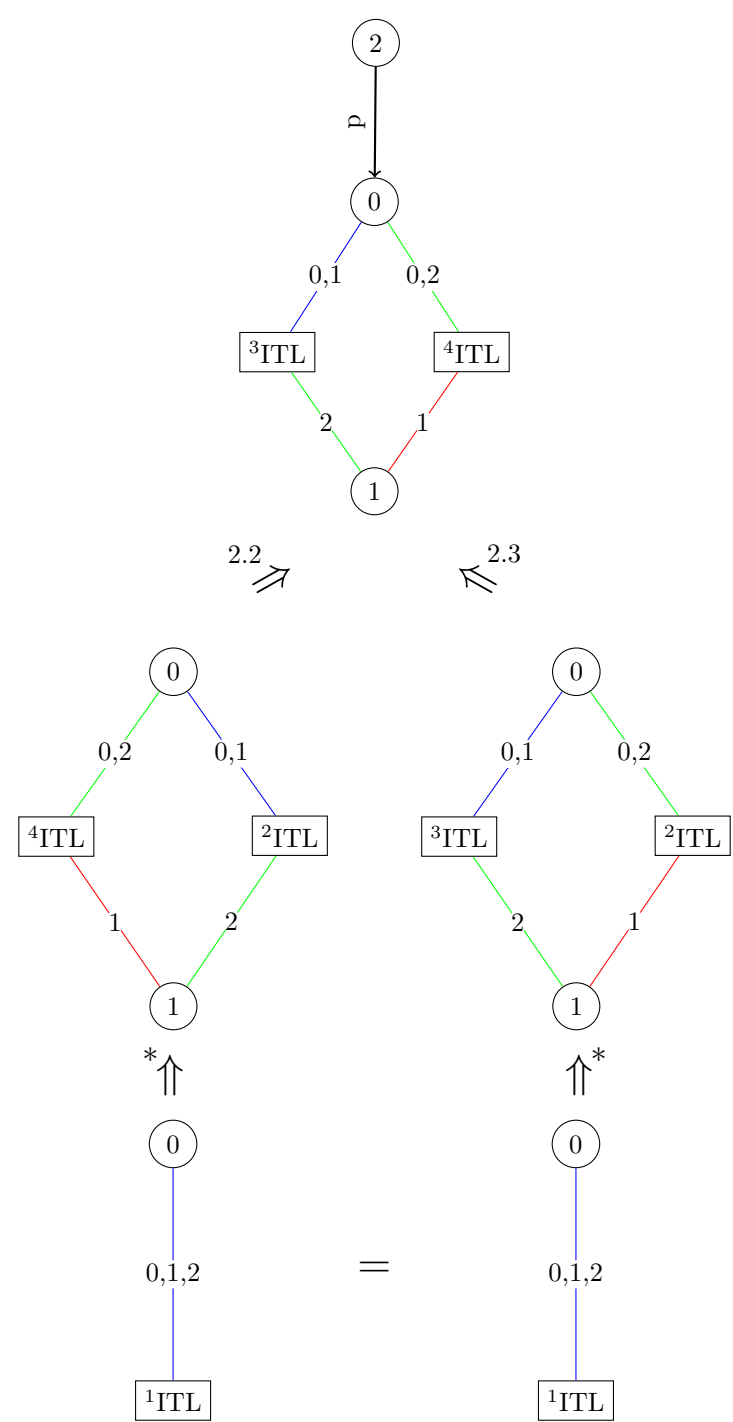
1.56 Critical Pair (Strongly Joinable)
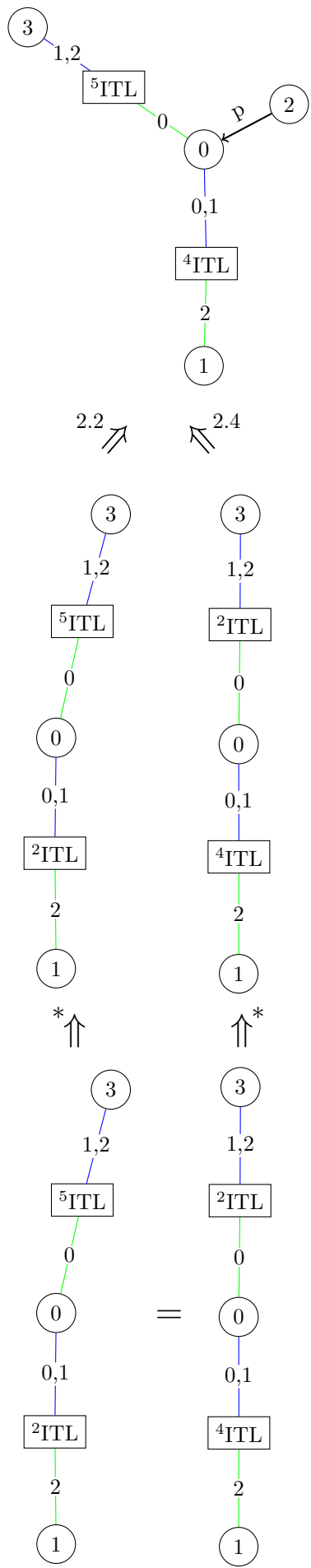
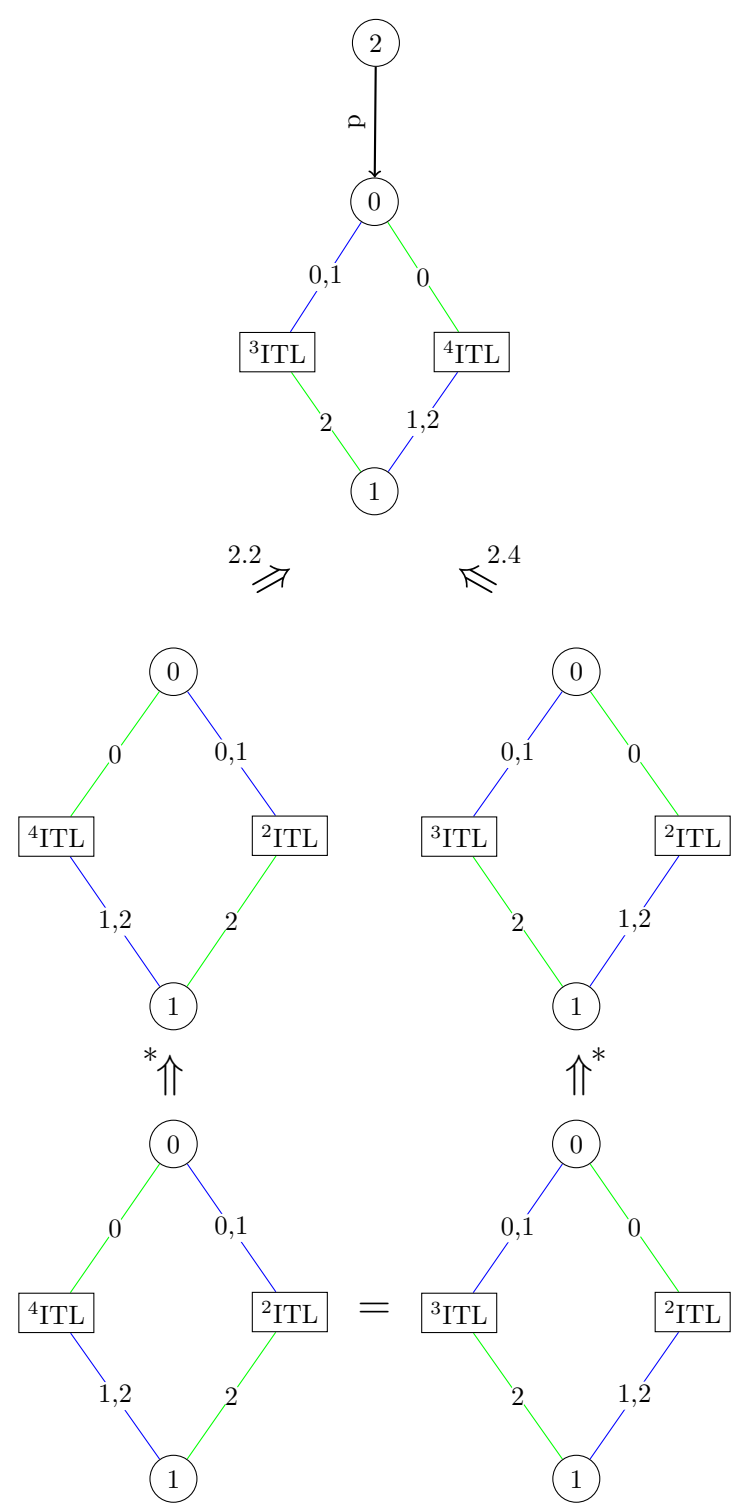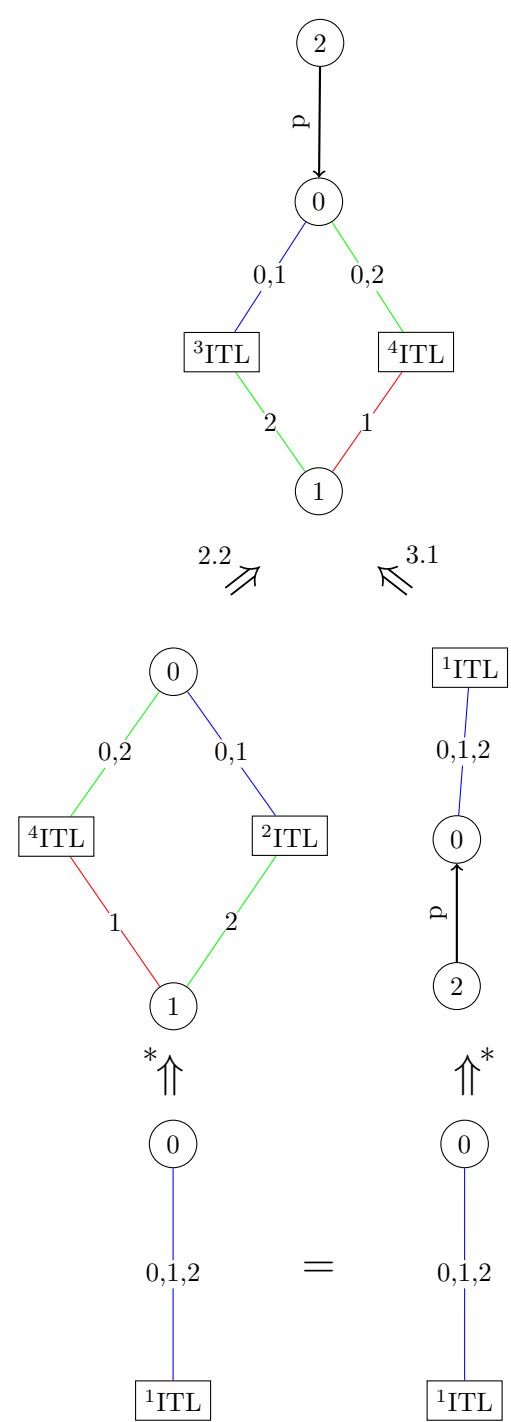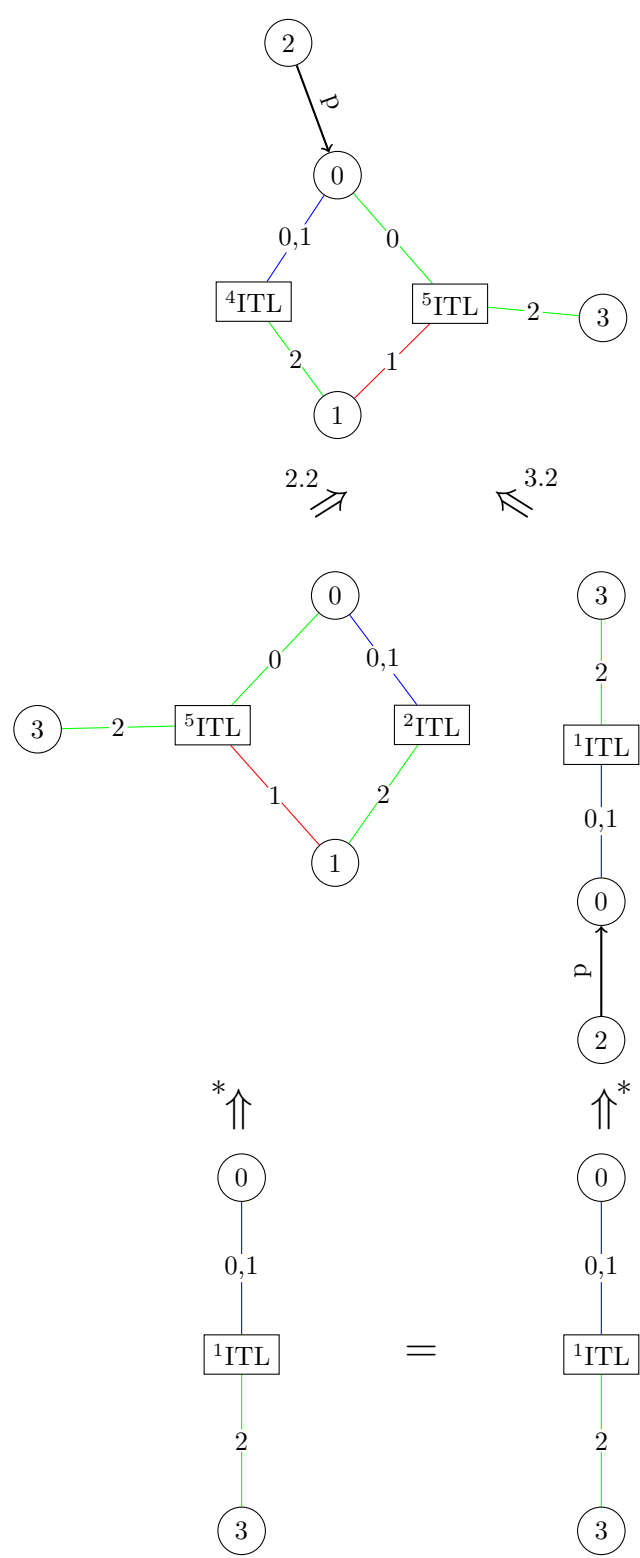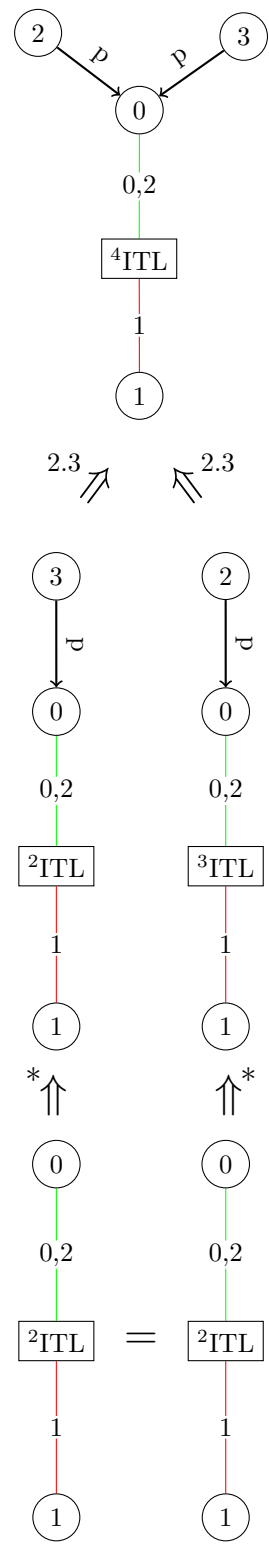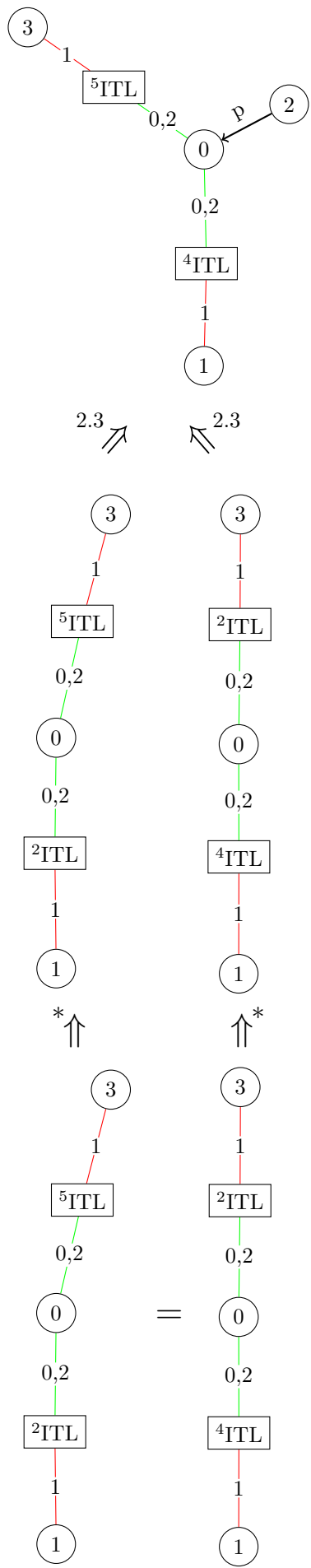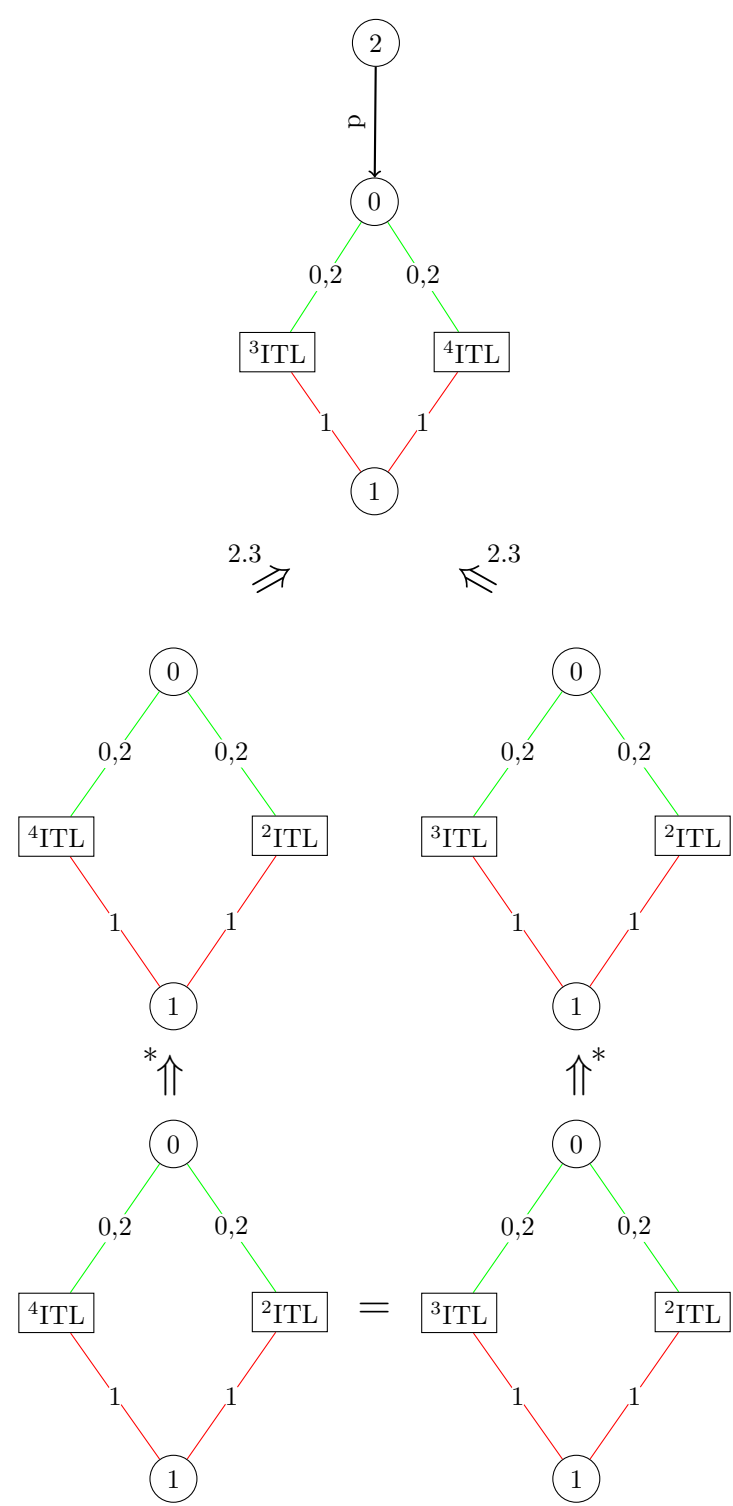## 1.57 Critical Pair (Strongly Joinable)

1.58 Critical Pair (Strongly Joinable)

1.59 Critical Pair (Strongly Joinable)

1.60 Critical Pair (Strongly Joinable)

```
      (2)
       |
       | p
       v
      (0)
       |
       | 0
       |
    [³ITL]
       |
       | 1,2
       |
      (1)
```

```
  2.4 ⇗        ⇖ 2.4

  (0)          (0)
   |            |
   | 0          | 0
   |            |
 [²ITL]       [²ITL]
   |            |
   | 1,2        | 1,2
   |            |
  (1)          (1)

  * ⇑          ⇑ *

  (0)          (0)
   |            |
   | 0          | 0
   |            |
 [²ITL]   =   [²ITL]
   |            |
   | 1,2        | 1,2
   |            |
  (1)          (1)
```
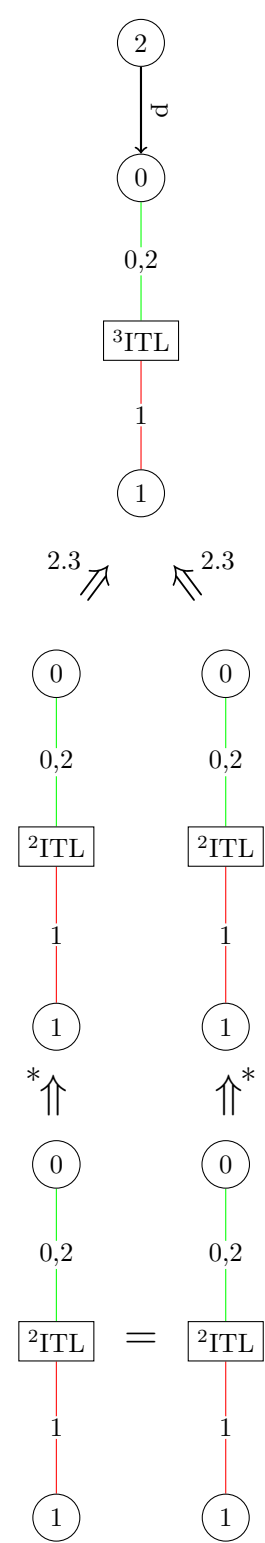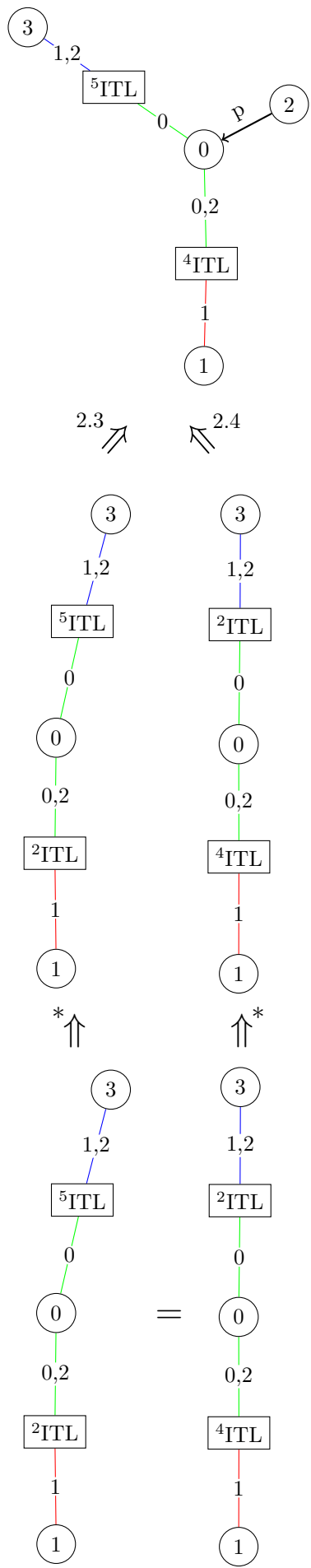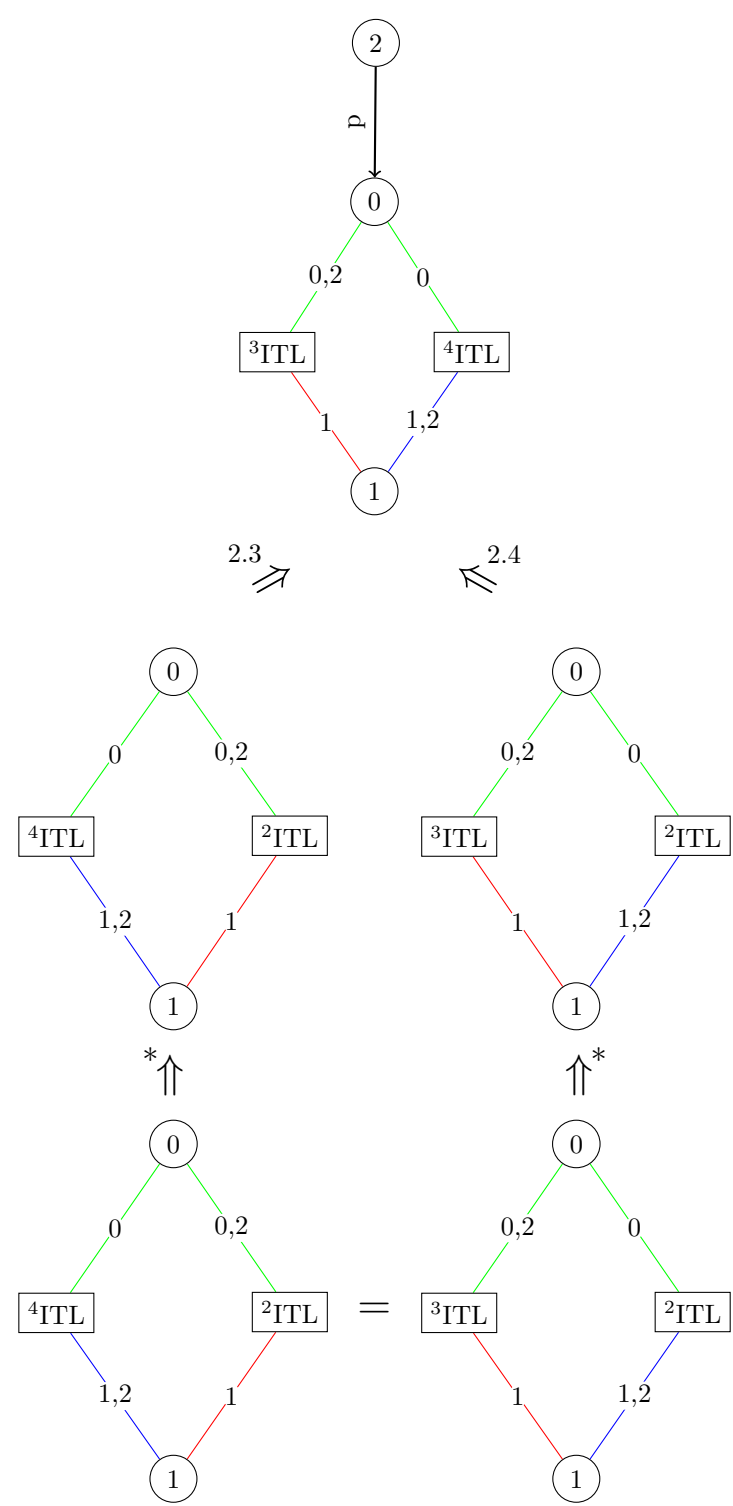
1.61 Critical Pair (Strongly Joinable)

1.62   Critical Pair (Strongly Joinable)

1.63 Critical Pair (Strongly Joinable)

$$\overset{3}{\Rrightarrow} \qquad \overset{3}{\Lleftarrow}$$
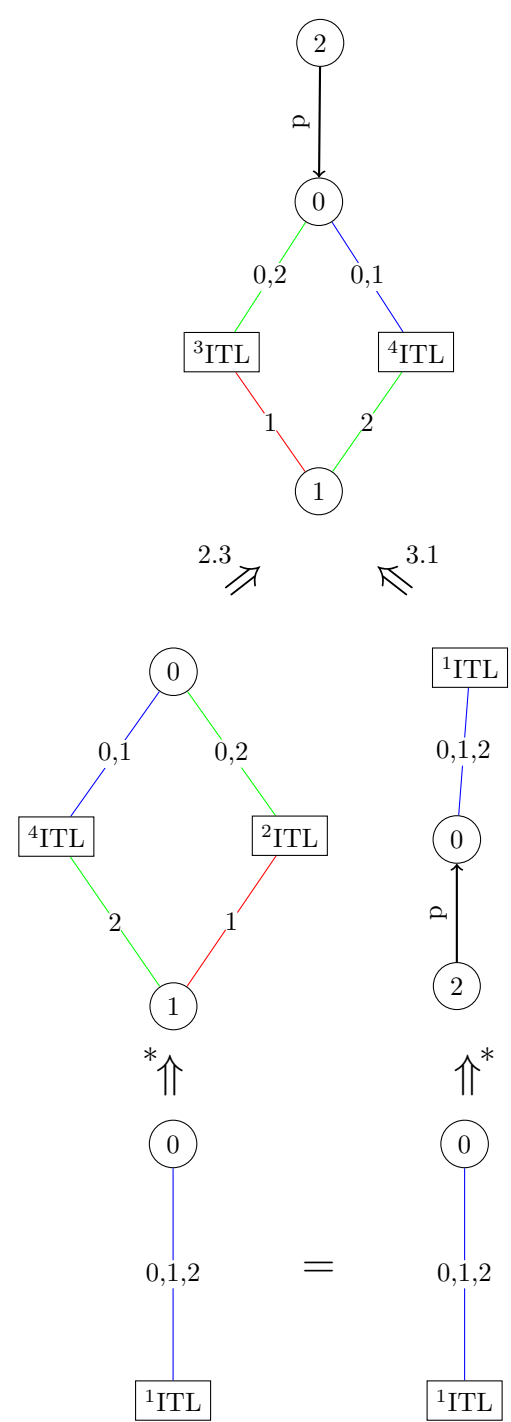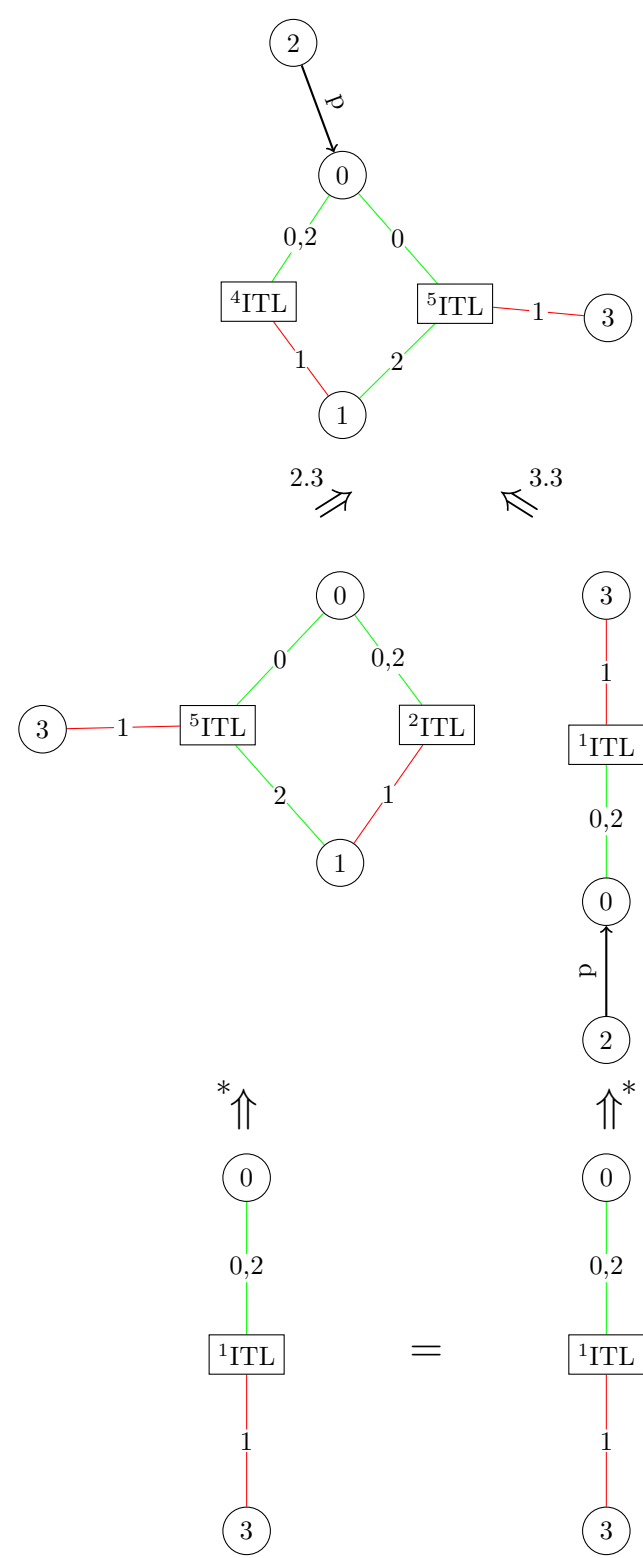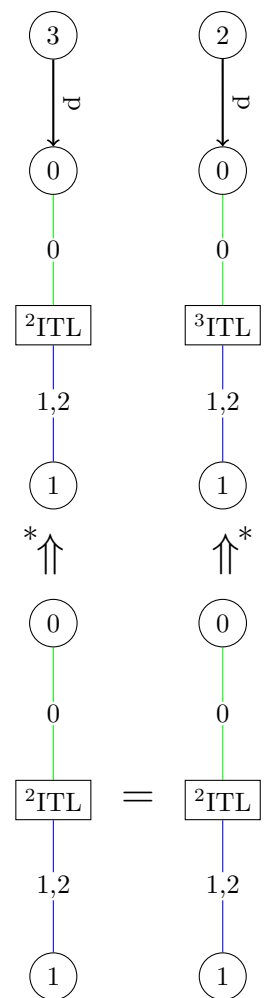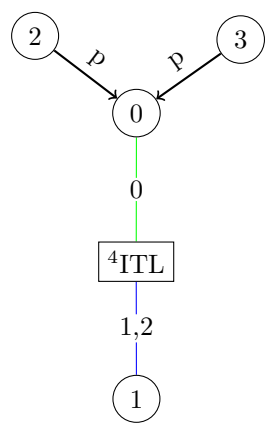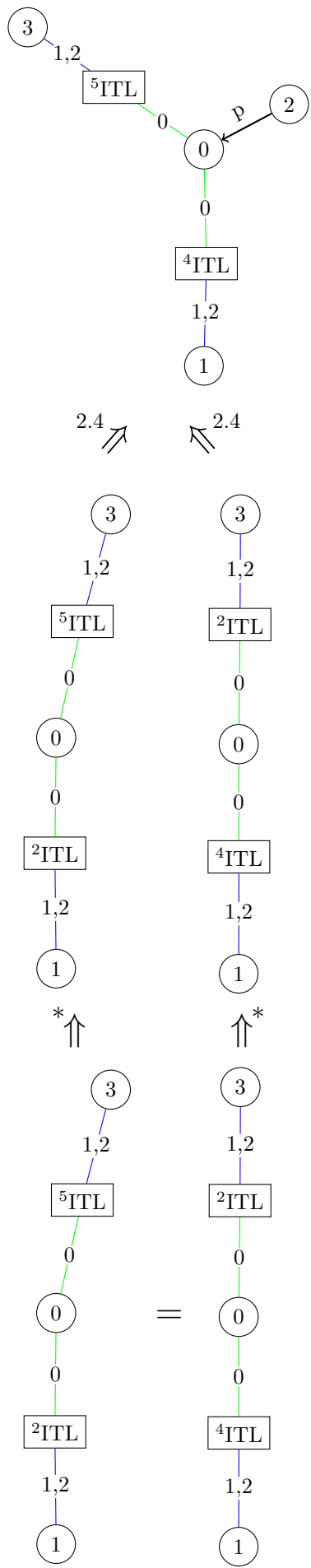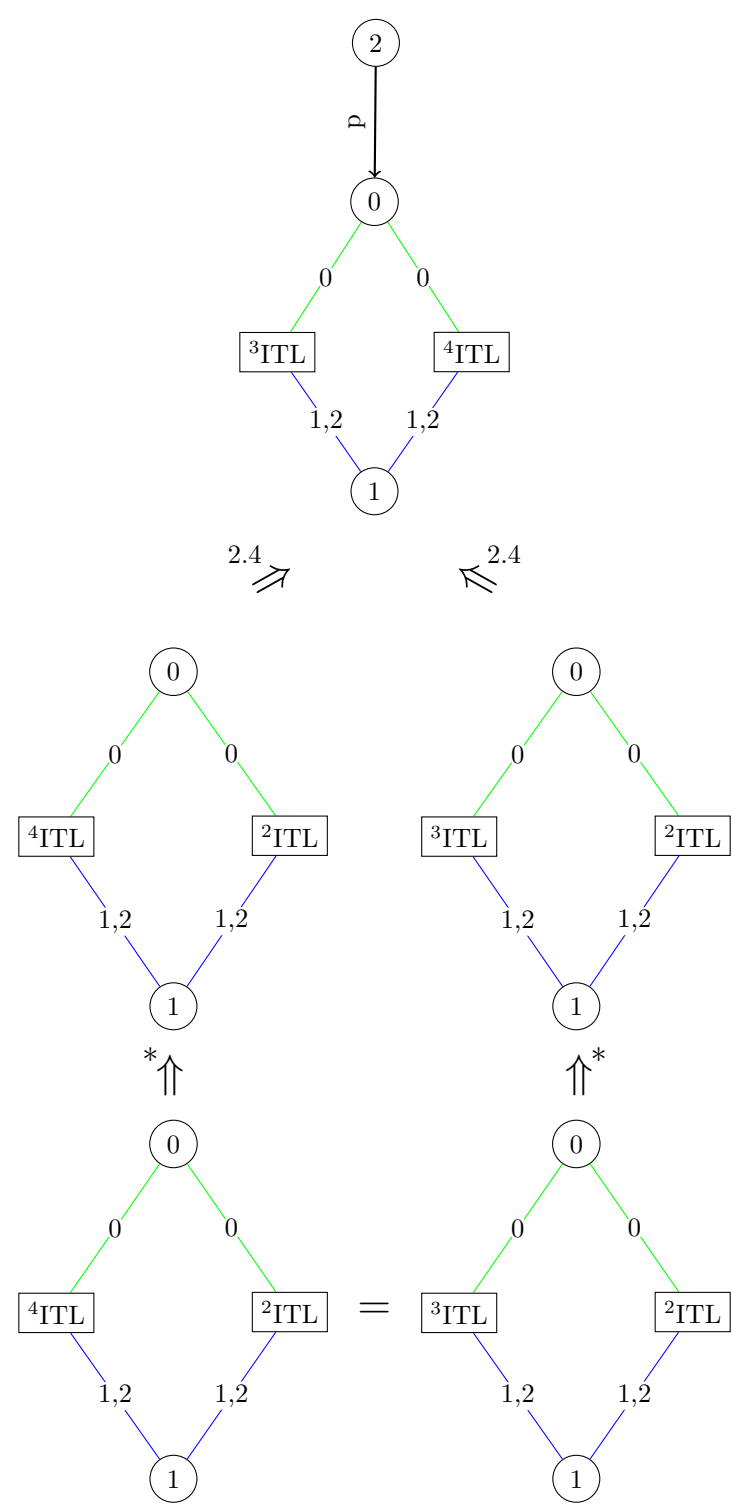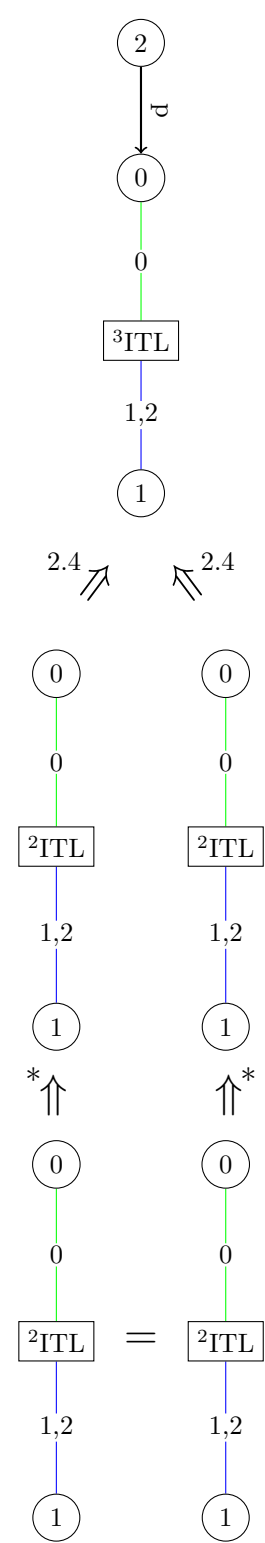

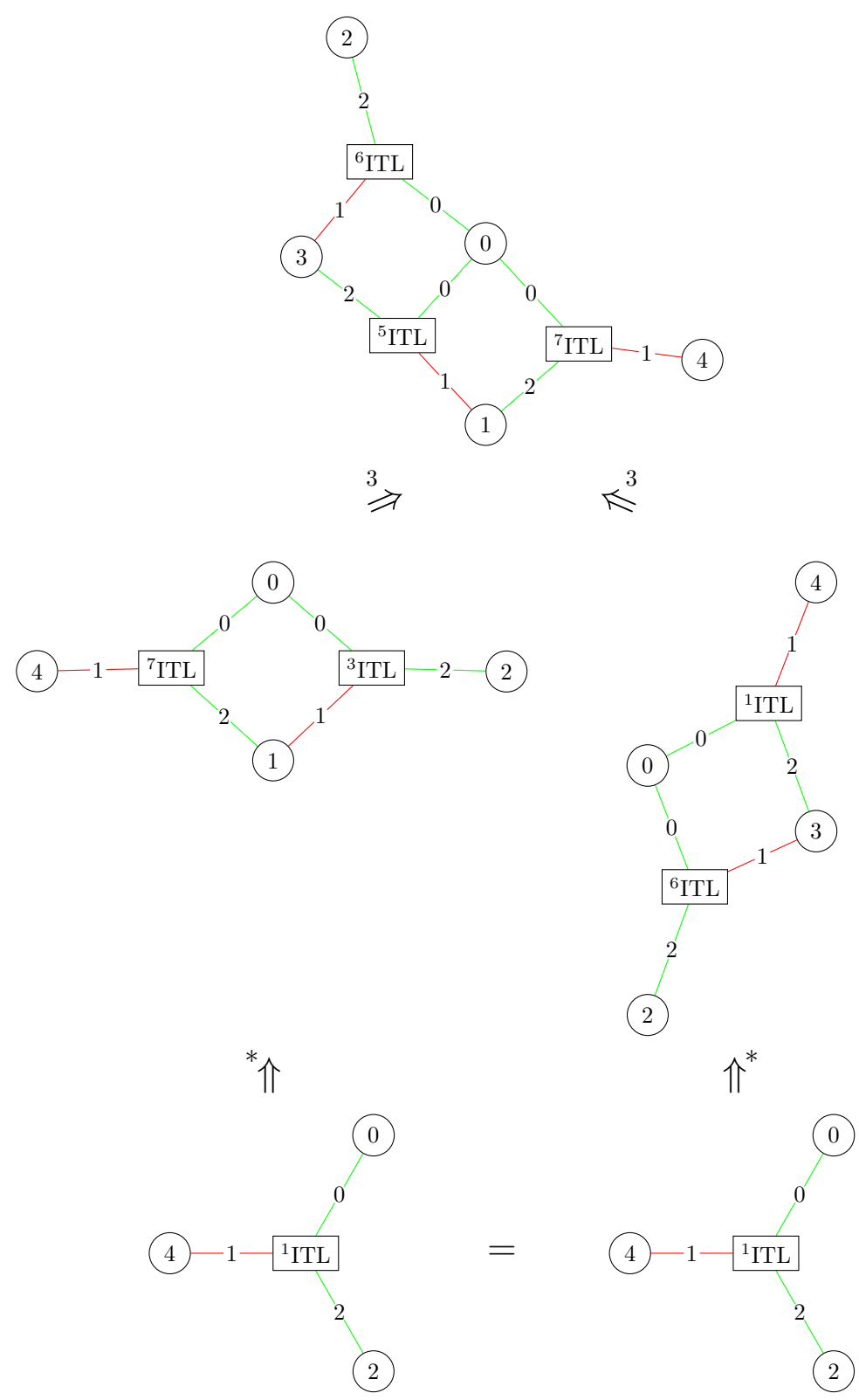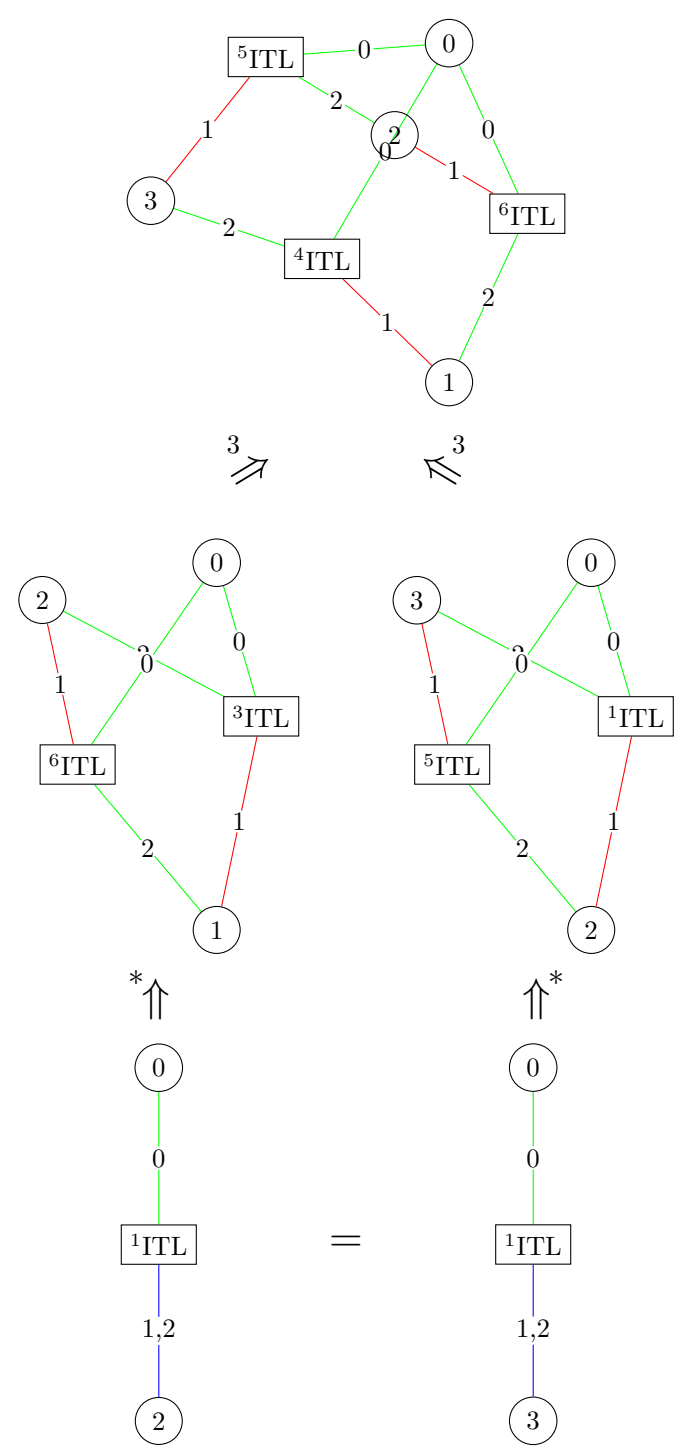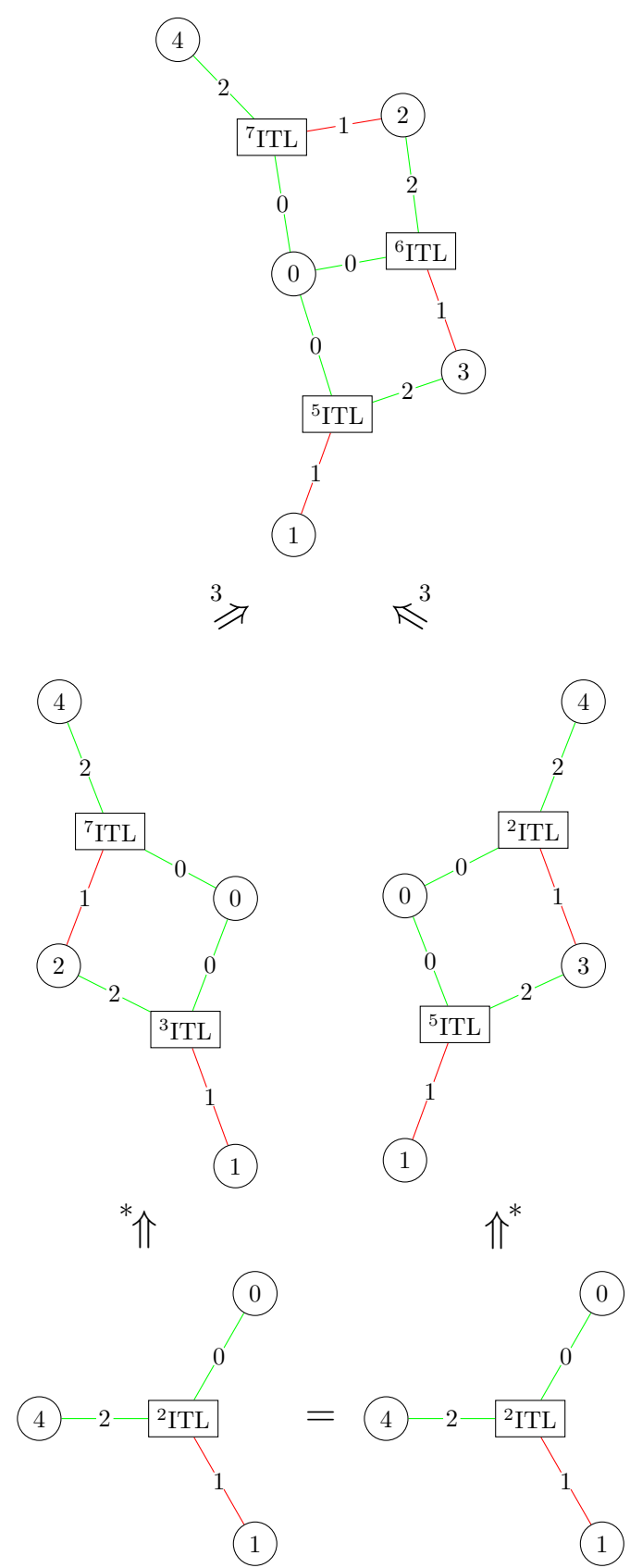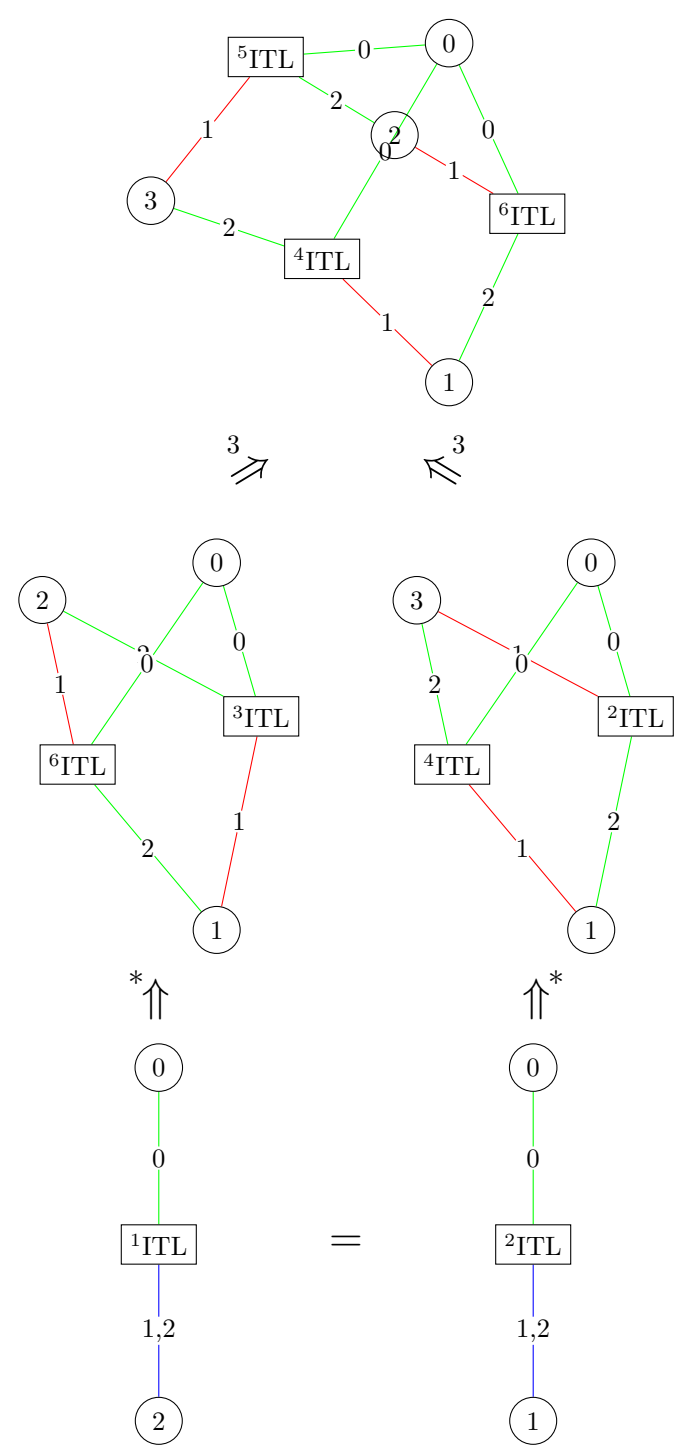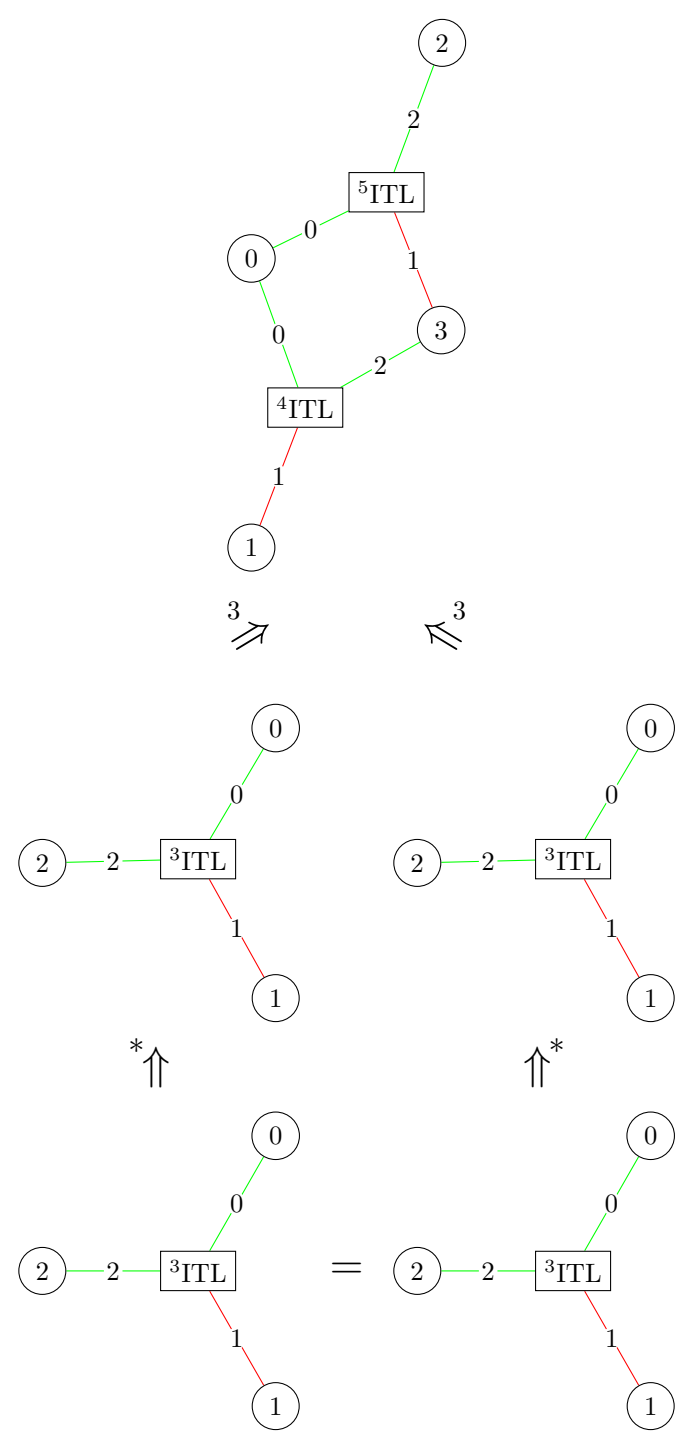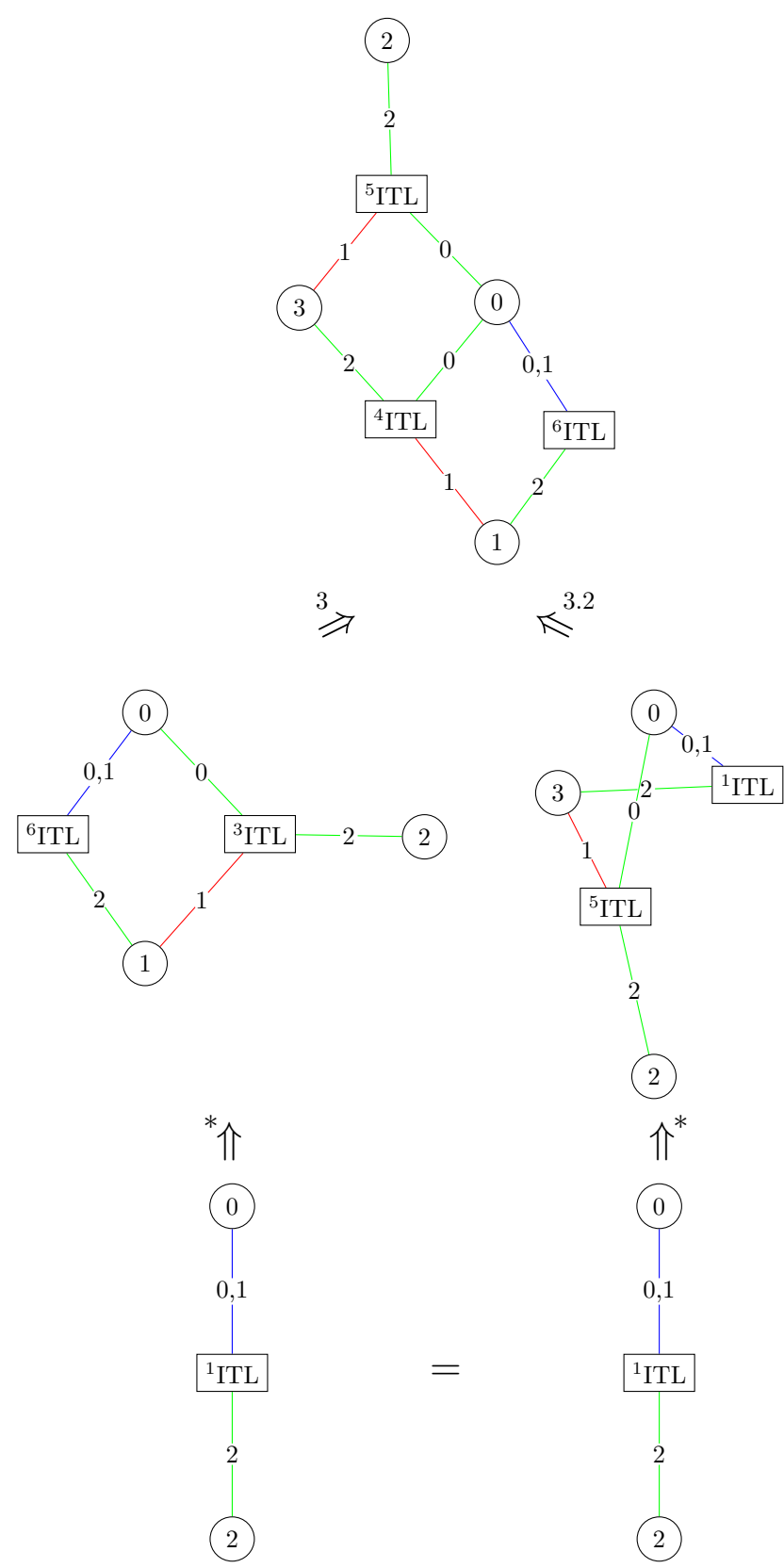$$\overset{*}{\Uparrow} \qquad \Uparrow^{*}$$

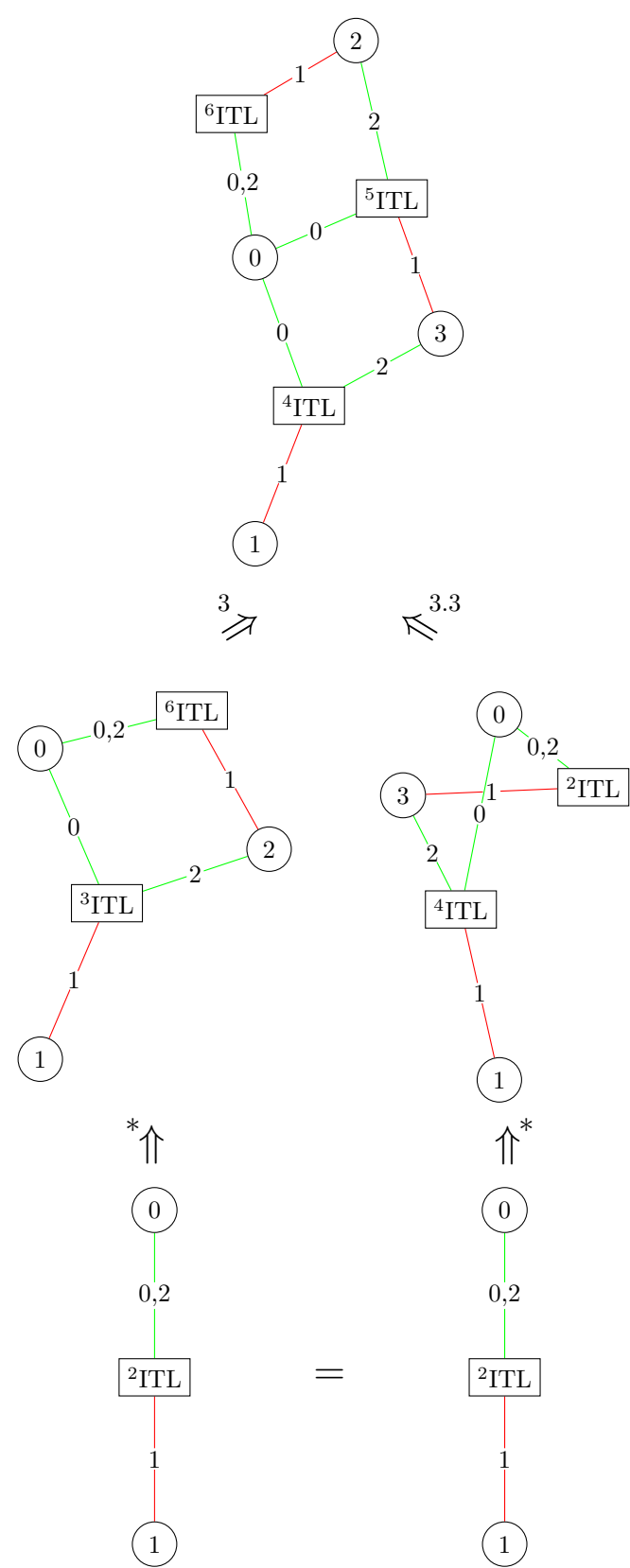## 1.64 Critical Pair (Strongly Joinable)

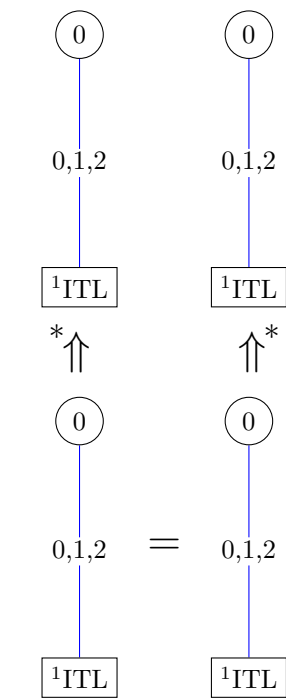## 1.65 Critical Pair (Strongly Joinable)

1.66 Critical Pair (Strongly Joinable)

1.67 Critical Pair (Strongly Joinable)

1.68 Critical Pair (Strongly Joinable)

0,1 — ^{3}ITL

0,2 — ^{2}ITL

2

1

1

3.1 ⤢ ⤡ 3.1

0   0

0,1,2   0,1,2

^{1}ITL ^{1}ITL

* ⇑   ⇑ *

0   0

0,1,2   =   0,1,2

^{1}ITL ^{1}ITL

1.69   Critical Pair (Strongly Joinable)

1.70 Critical Pair (Strongly Joinable)

1.71 Critical Pair (Strongly Joinable)
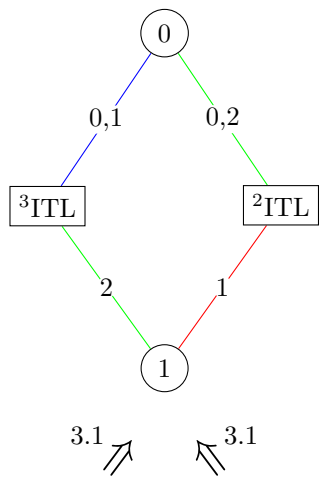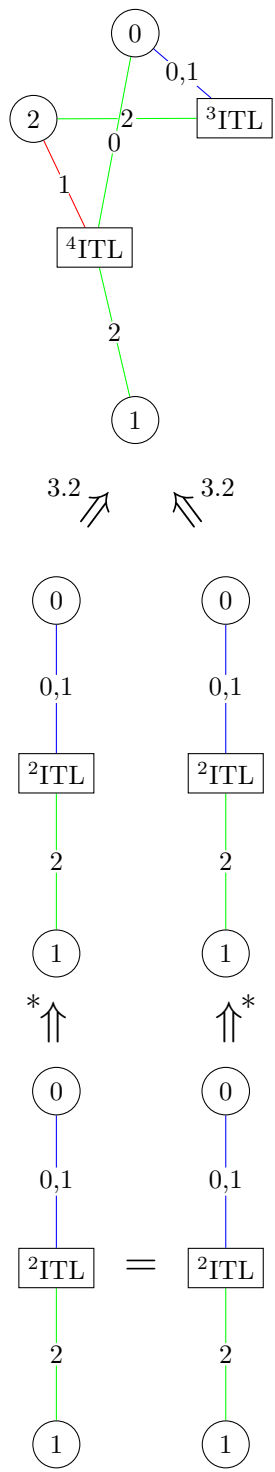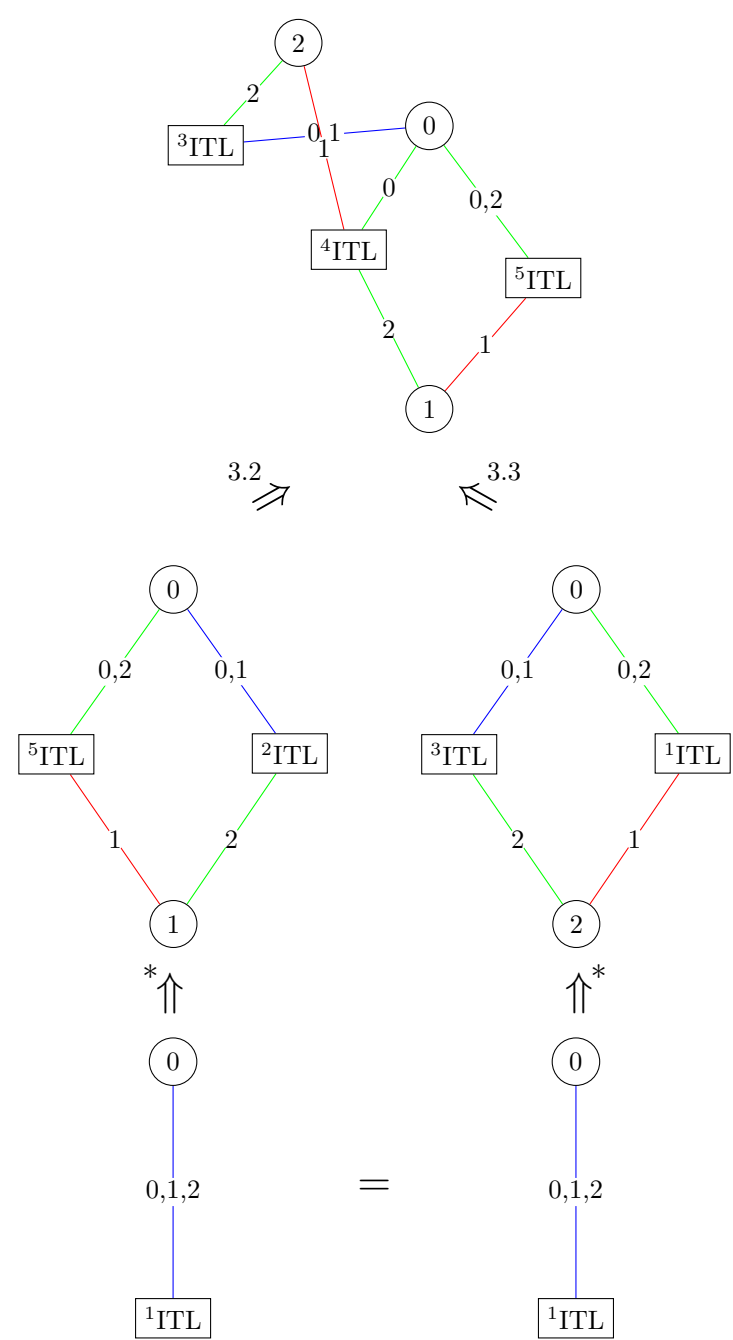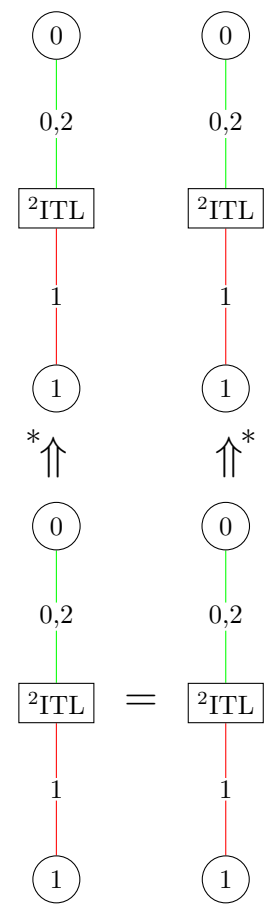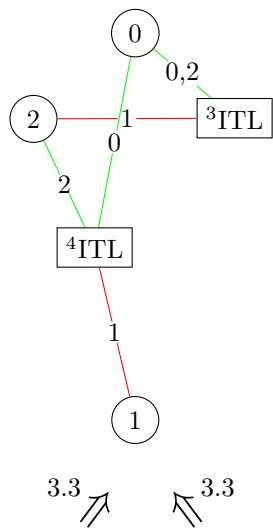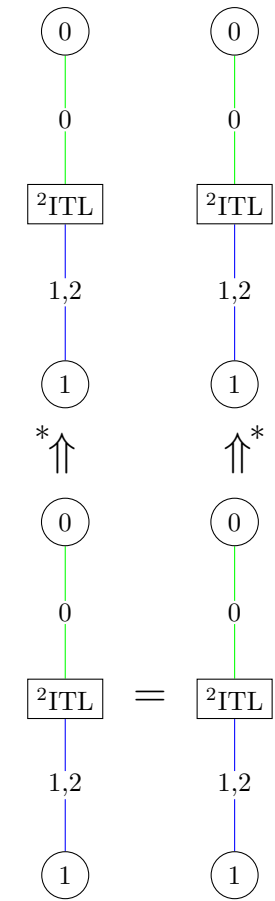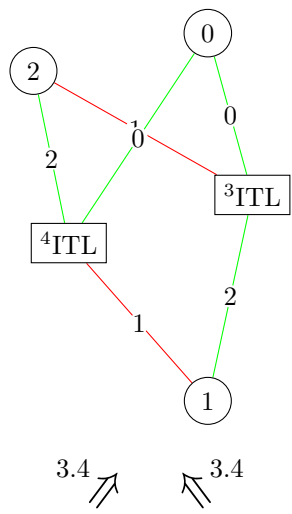
1.72   Critical Pair (Strongly Joinable)

1.73 Critical Pair (Strongly Joinable)