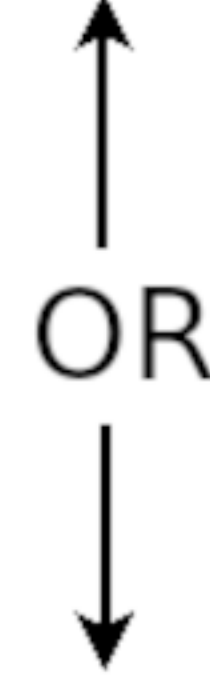
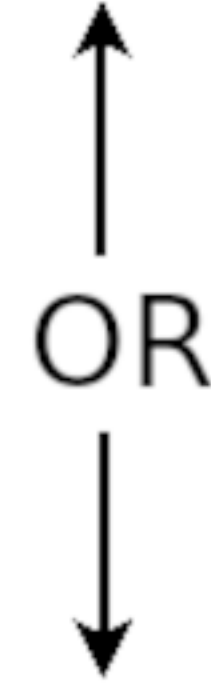
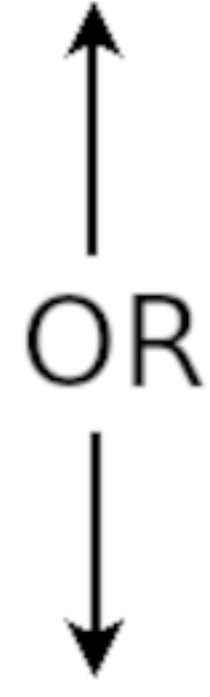
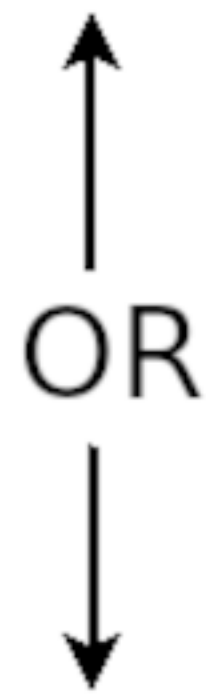


Observed



Observer

{ }

OR

{X}

{ }

OR

{X}

{ }

OR

{X}

{ }

OR

{X}

$$54 \times 23$$

$$(50 + 4) \times (20 + 3)$$

50

4

20

1000

80

3

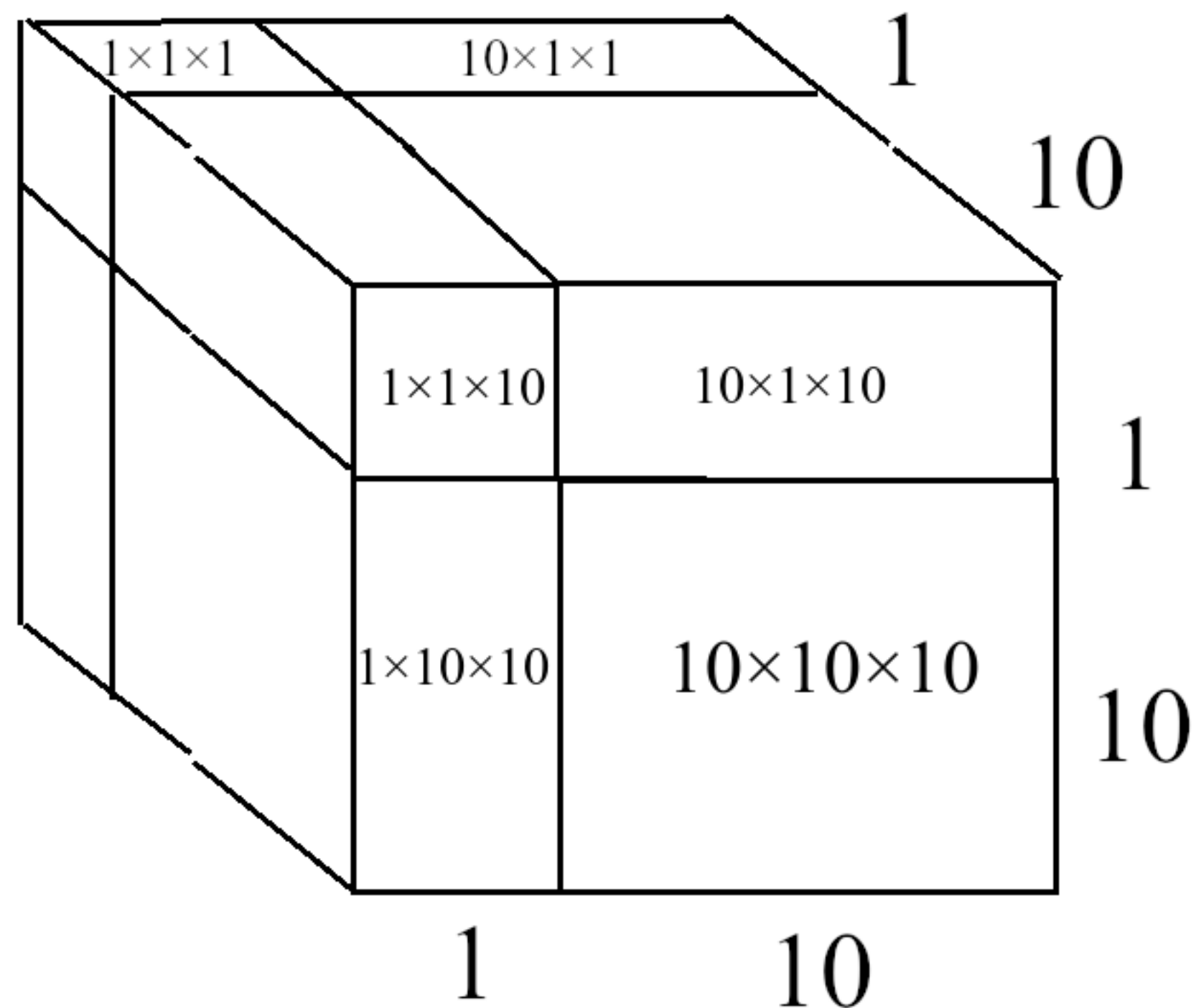
150

12

$$11 \times 11 \times 11$$

$$(10+1) \times (10+1) \times (10+1)$$

$$1000 + 3 \times 100 + 3 \times 10 + 1$$



Heads OR Tails

1

$$(H+T) = H + T$$

$$(H+T)(H+T) = HH + HT + TH + TT \\ H^2 + 2HT + T^2$$

$$(H+T)(H+T)(H+T) = HHH + HHT + HTH + HTT + THH + THT + TTH + TTT \\ H^3 + 3H^2T + 3HT^2 + T^3$$

1/2 OR 1/2

$$\frac{1}{100\%}$$

$$(1/2 + 1/2) = \frac{1/2 + 1/2}{50\% + 50\%}$$

$$(1/2 + 1/2)(1/2 + 1/2) = \frac{1/2^2 + 2(1/2)(1/2) + 1/2^2}{25\% + 50\% + 25\%}$$

$$(1/2 + 1/2)(1/2 + 1/2)(1/2 + 1/2) = \frac{1/2^3 + 3(1/2^2)(1/2) + 3(1/2)(1/2^2) + 1/2^3}{12.5\% + 37.5\% + 37.5\% + 12.5\%}$$

Girl OR Boy

1

$$(g+b) = g + b$$

$$(g+b)(g+b) = g^2 + 2gb + b^2$$

$$(g+b)(g+b)(g+b) = g^3 + 3g^2b + 3gb^2 + b^3$$

2/3 OR 1/3

$$\frac{1}{100\%}$$

$$(2/3 + 1/3) =$$

$$\frac{2/3 + 1/3}{66\% \quad 33\%}$$

$$(2/3 + 1/3)(2/3 + 1/3) =$$

$$\frac{2/3^2 + 2 \cdot 2/3 \cdot 1/3 + 1/3^2}{44\% \quad 44\% \quad 11\%}$$

$$(2/3 + 1/3)(2/3 + 1/3)(2/3 + 1/3) =$$

$$\frac{2/3^3 + 3 \cdot 2/3^2 \cdot 1/3 + 3 \cdot 2/3 \cdot 1/3^2 + 1/3^3}{30\% \quad 44\% \quad 22\% \quad 4\%}$$

100% OR 10%

$$\frac{1}{100\%}$$

$$(1+0.1) = \frac{1 + 0.1}{100\% + 10\%}$$

$$(1+0.1)(1+0.1) = \frac{1^2 + 2*1*0.1 + 0.1^2}{100\% \quad 20\% \quad 1\%}$$

$$(1+0.1)(1+0.1)(1+0.1) = \frac{1^3 + 3*1^2*0.1 + 3*1*0.1^2 + 0.1^3}{100\% \quad 30\% \quad | \quad 3\% \quad 0.1\%}$$

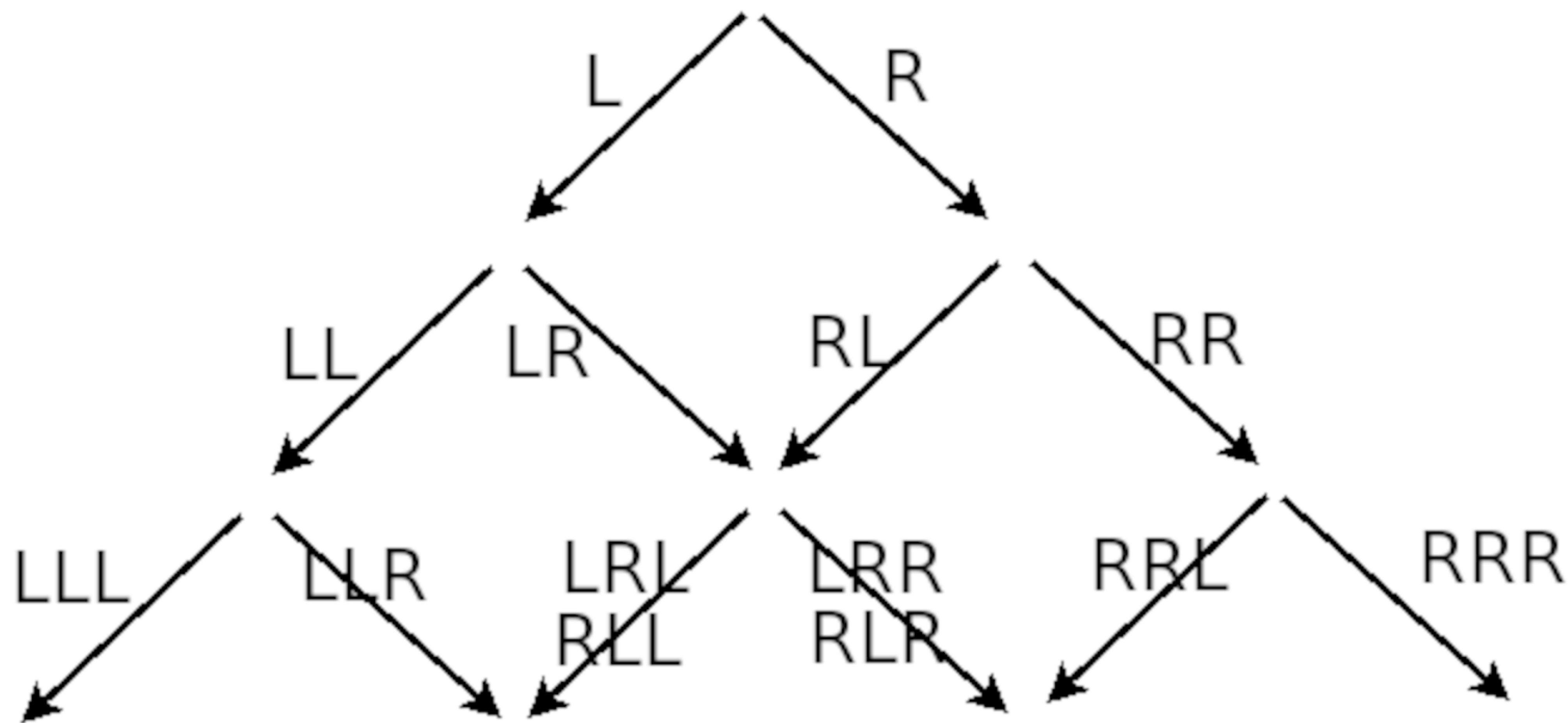
Left OR Right

1

$$(L+R) = L + R$$

$$(L+R)(L+R) = L^2 + 2LR + R^2$$

$$(L+R)(L+R)(L+R) = L^3 + 3L^2R + 3LR^2 + R^3$$



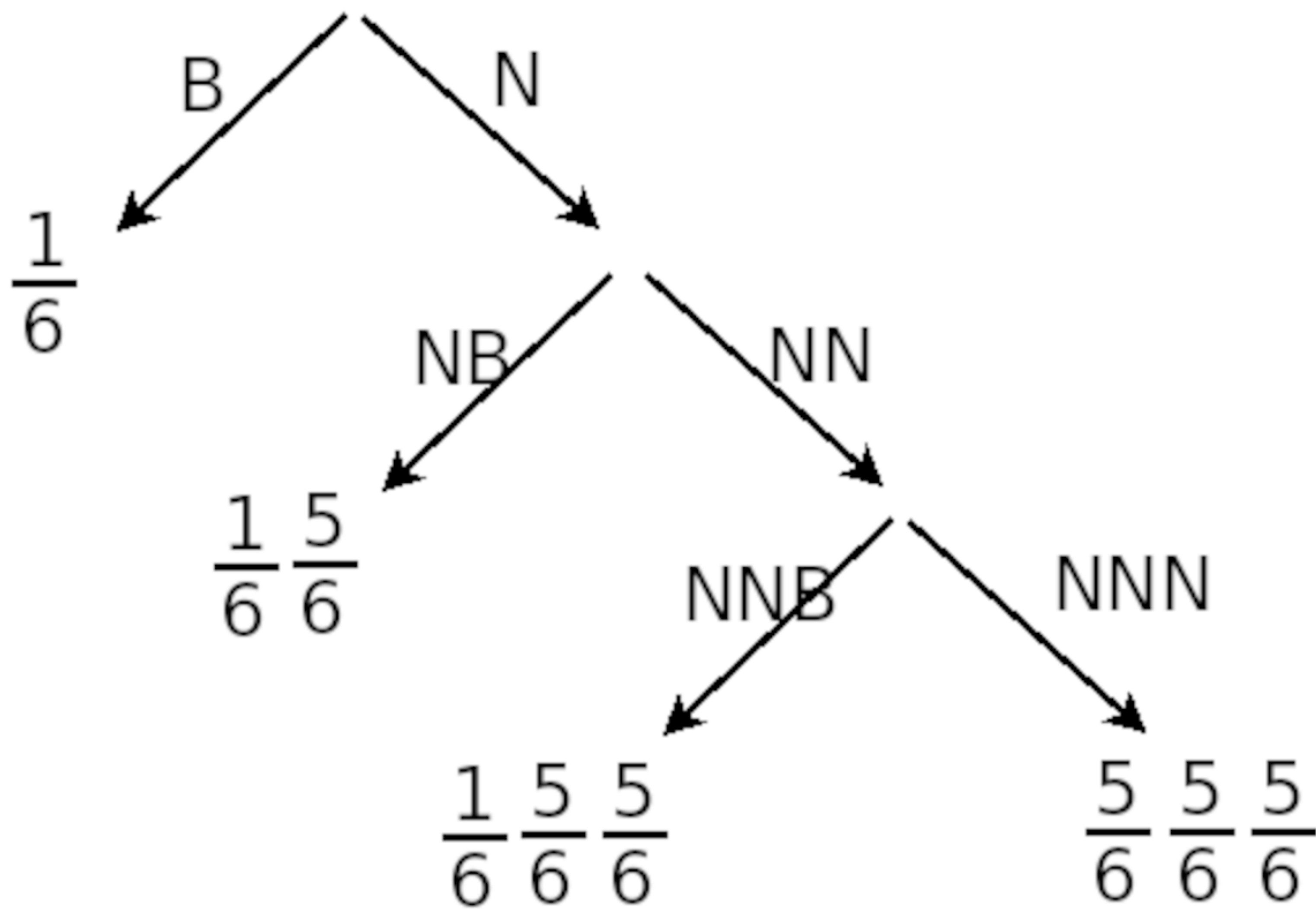
Bullet OR Not

1

$$(B+N) = \frac{B}{1/6} + \frac{N}{5/6}$$

$$(B+N)(B+N) = \frac{BB}{5/6} + \frac{BN}{1/6} + \frac{NB}{5/6} + \frac{NN}{5/6}$$

$$(B+N)(B+N)(B+N) = BBB + BBN + BNB + BNN + NBB + NBN + NNB + NNN$$



Positive OR Negative

1

$$(P+N) =$$

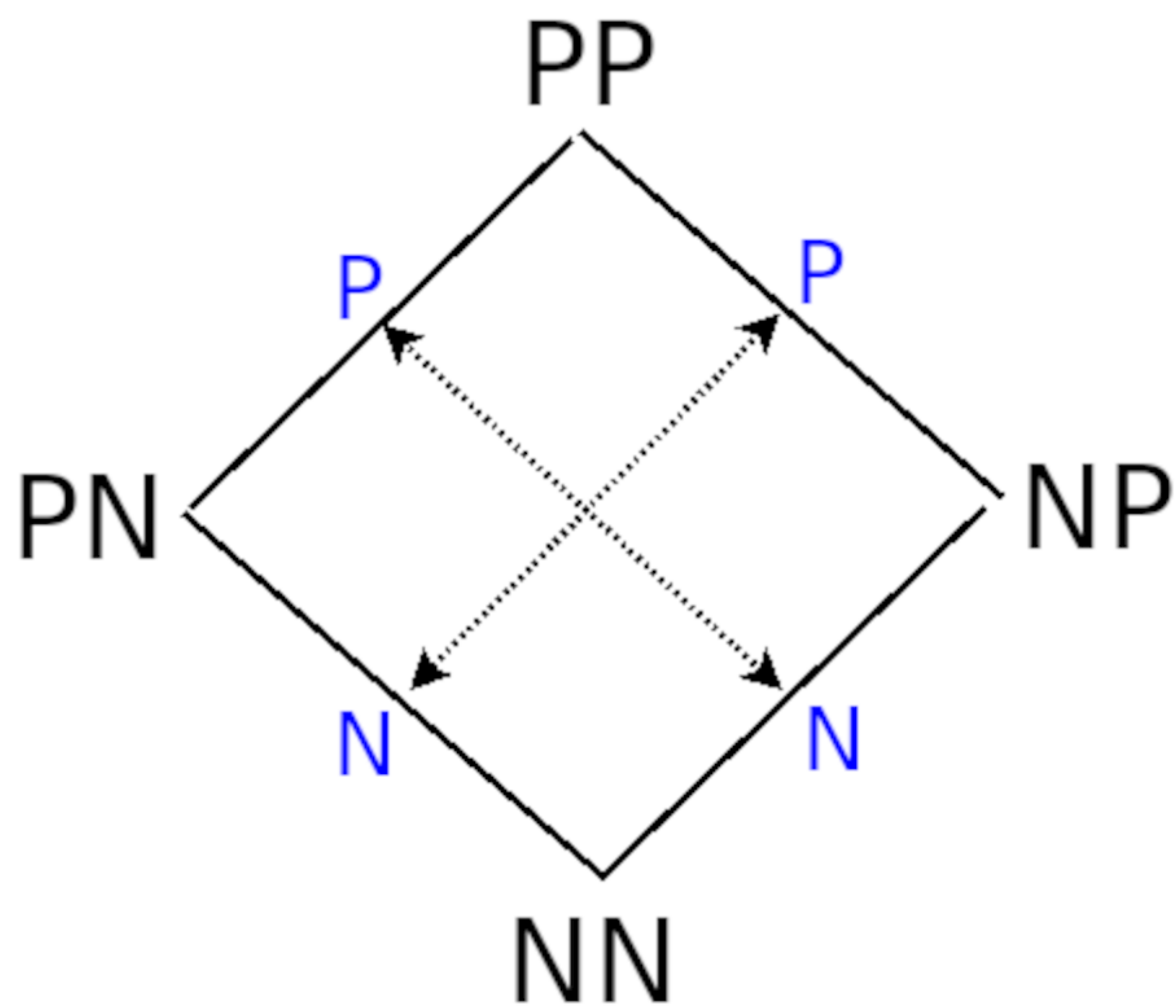
$$P + N$$

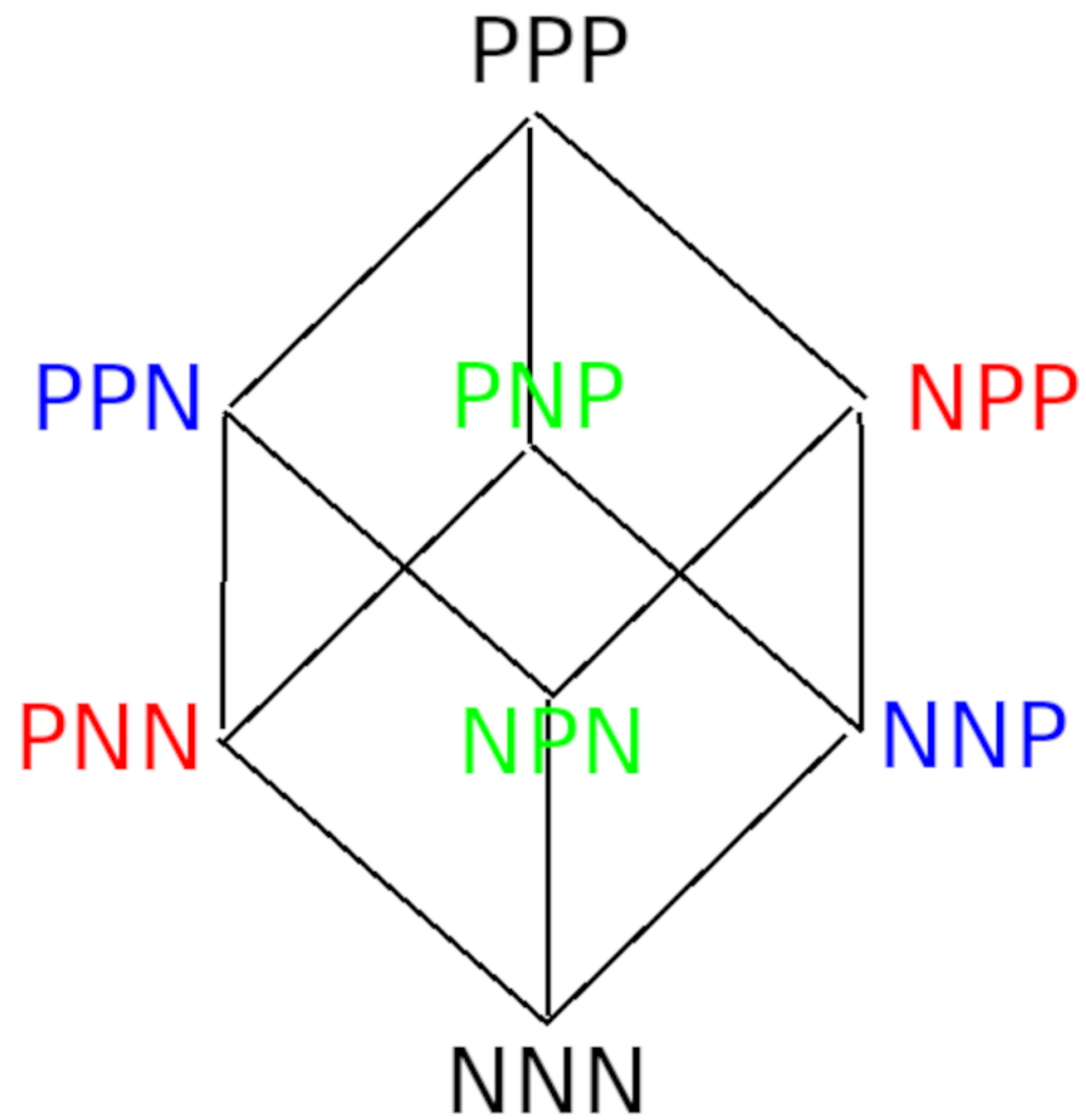
$$(P+N)(P+N) =$$

$$P^2 + 2PN + N^2$$

$$(P+N)(P+N)(P+N) =$$

$$P^3 + 3P^2N + 3PN^2 + N^3$$





Exists | OR Not

1

$$(E+N) =$$

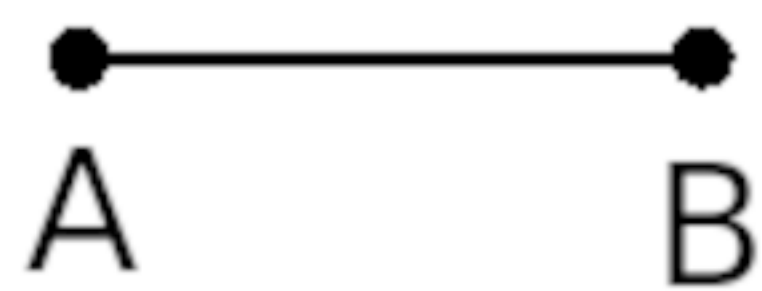
$$E + N$$

$$(E+N)(E+N) =$$

$$E^2 + 2EN + N^2$$

$$(E+N)(E+N)(E+N) =$$

$$E^3 + 3E^2N + 3EN^2 + N^3$$



2 vertices

$\{A, B\}$

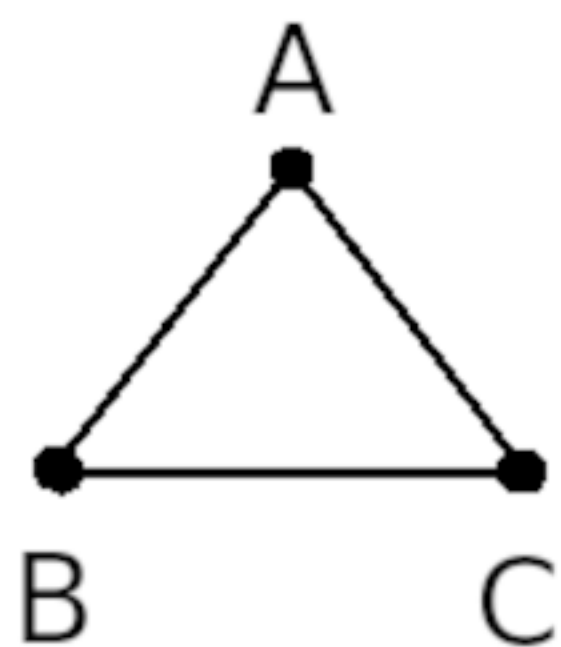


1 vertex

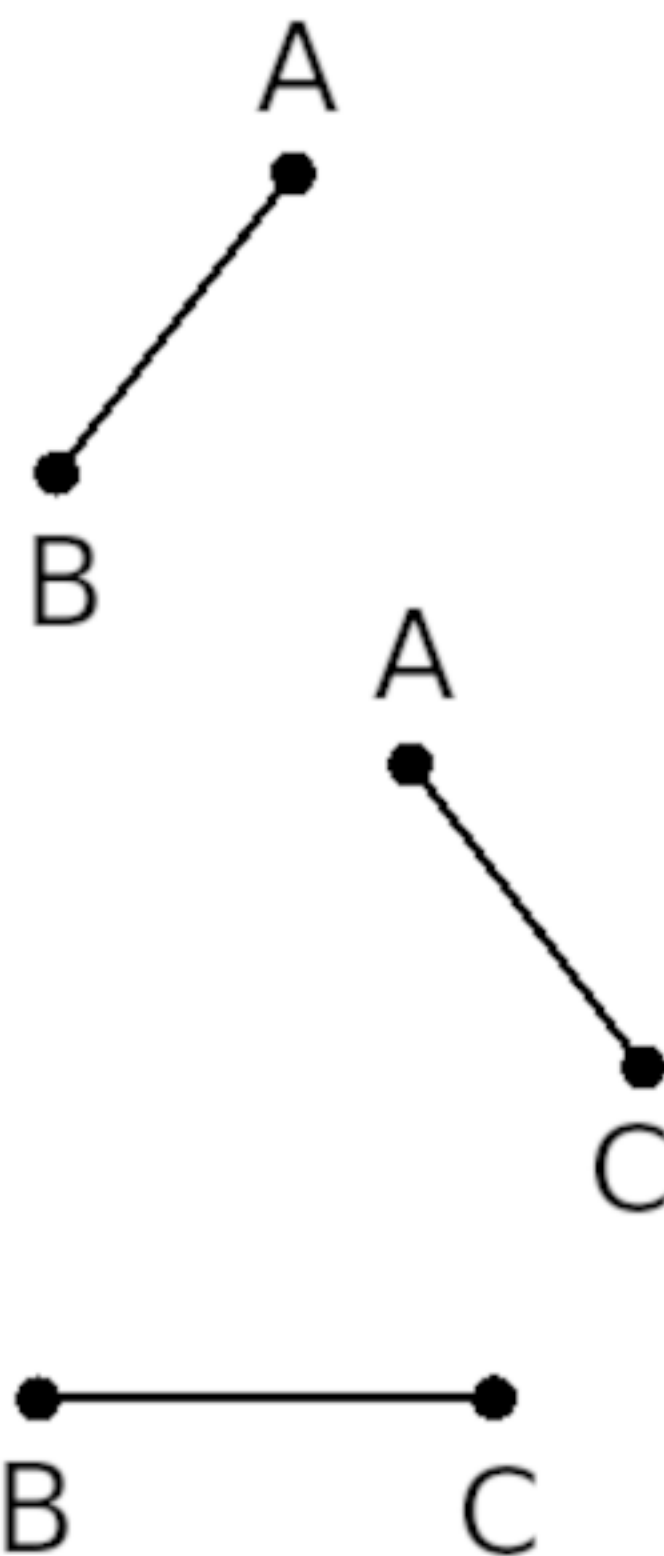
$\{A\} \{B\}$

no vertices

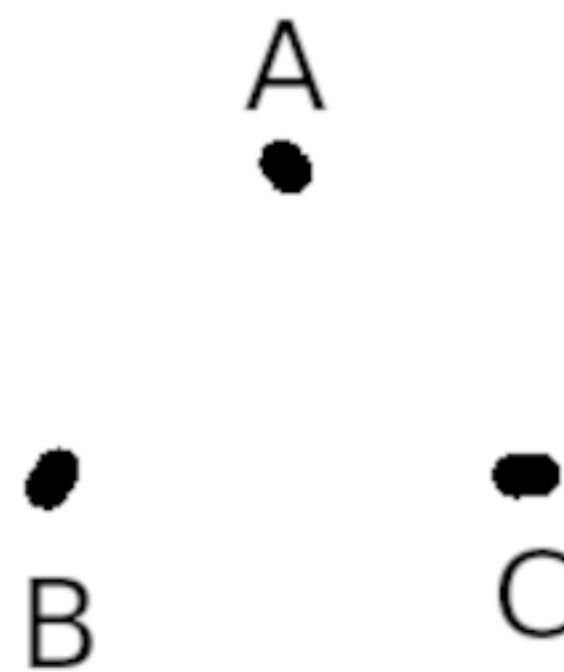
$\{\}$



3 vertices
 $\{A, B, C\}$



2 vertices
 $\{A, B\} \{A, C\} \{B, C\}$



1 vertex
 $\{A\} \{B\} \{C\}$

no vertices
 $\{\}$



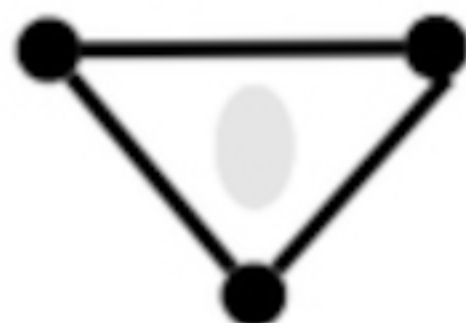
1 židiny



1 židiny
1 taškas



1 židiny
2 taškai
1 briauna



1 židiny
3 taškai
3 briaunos
1 siena



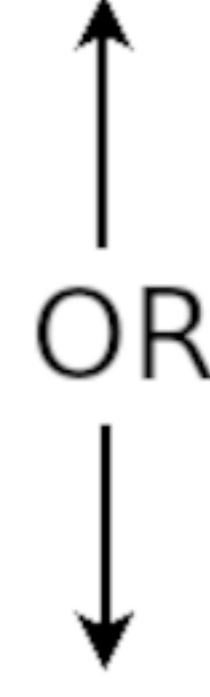
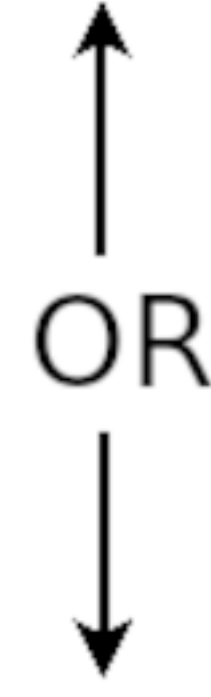
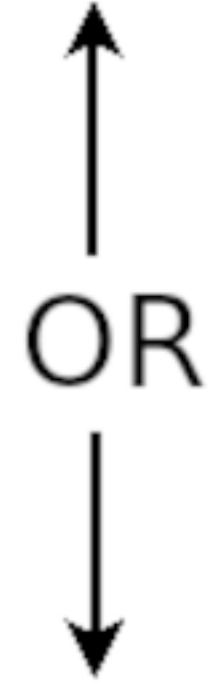
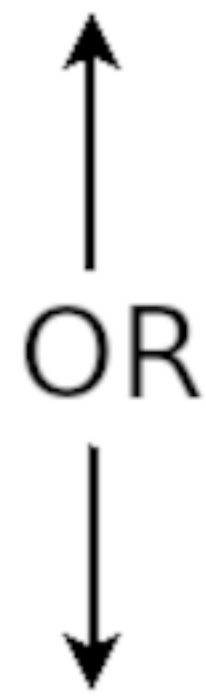
1 židiny
4 taškai
6 briaunos
4 sienos
1 ląstelė



1 židiny
5 taškai
10 briaunų
10 sienų
5 ląstelių
1 visuma

1
1 1
1 2 1
1 3 3 1
1 4 6 4 1
1 5 10 10 5 1

Observed



Observer

{ }

OR

{X}

{ }

OR

{X}

{ }

OR

{X}

{ }

OR

{X}