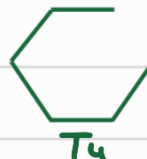
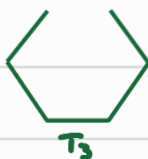
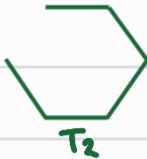


$I_6$  trees



Remaining  $\Gamma$  trees



Chosen subgraphs



Trees  $T_3, T_7, T_{10}, T_{13}$

$T_4, T_8, T_{11}, T_{14}$

$T_5, T_9, T_{12}, T_{15}$

Maplist:

Before we apply  
off-rotate



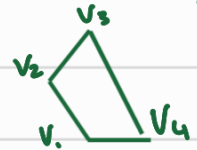
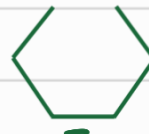
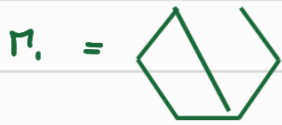
Back to  $\Gamma$  labelling:

1  $\rightarrow$  3  
2  $\rightarrow$  4  
3  $\rightarrow$  1  
4  $\rightarrow$  2

Maplist is necessary  
for relabelling trees  
after mod-cycle to assignate.

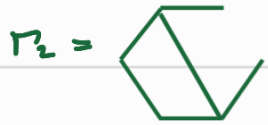
Maplist = [3, 4, 1, 2]

# Determining tree-map-data for get-all-G-cases().

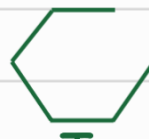


1  $\mapsto$  10  
2  $\mapsto$  13  
3  $\mapsto$  3  
4  $\mapsto$  7

tree1st = [10, 13, 3, 7]



$T_4, T_8, T_{11}, T_{14}$



1  $\mapsto$  11  
2  $\mapsto$  14  
3  $\mapsto$  4  
4  $\mapsto$  8

tree1st = [11, 14, 4, 8]











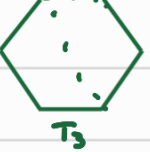
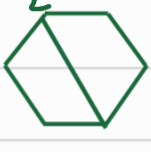








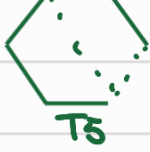




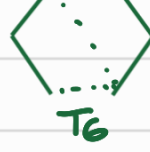
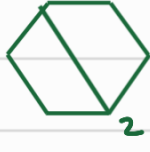








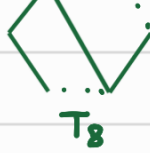




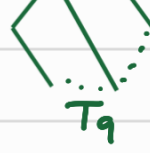




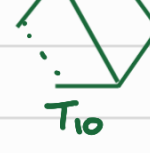






$T_5, T_9, T_{12}, T_{15}$



1  $\mapsto$  12  
2  $\mapsto$  15  
3  $\mapsto$  5  
4  $\mapsto$  9

tree1st = [12, 15, 5, 9]

| Trees   | Breaks  |   |  |   | Breaks                               |
|---|---|---|--|---|--------------------------------------|
| <br>T <sub>1</sub>    |    |    |    |    | 011000<br>010001<br>101000<br>100001 |
| <br>T <sub>2</sub>    |    |    |    |    | 002000<br>011000<br>001001<br>010001 |
| <br>T <sub>3</sub>    |    |    |    |    | 002000<br>001001<br>001100<br>000101 |
| <br>T <sub>4</sub>    |    |    |    |    | 001100<br>001010<br>000101<br>000011 |
| <br>T <sub>5</sub>   |   |   |   |   | 000002<br>001001<br>000011<br>001010 |
| <br>T <sub>6</sub>  |  |  |  |  | 000002<br>100001<br>001001<br>101000 |
| <br>T <sub>7</sub>  |  |  |  |  | 101000<br>001001<br>100100<br>000101 |
| <br>T <sub>8</sub>  |  |  |  |  | 100100<br>000101<br>100010<br>000011 |
| <br>T <sub>9</sub>  |  |  |  |  | 000002<br>100001<br>000011<br>100010 |
| <br>T <sub>10</sub> |  |  |  |  | 011000<br>010100<br>101000<br>100100 |

| Trees        | Breaks       | Breaks                                       |
|--------------|--------------|--|
| <br>$T_{11}$ | <br><br><br> | $010100$<br>$100100$<br>$010010$<br>$100010$ |
| <br>$T_{12}$ | <br><br><br> | $010010$<br>$010001$<br>$100010$<br>$100001$ |
| <br>$T_{13}$ | <br><br><br> | $002000$<br>$011000$<br>$001100$<br>$010100$ |
| <br>$T_{14}$ | <br><br><br> | $001100$<br>$001010$<br>$010100$<br>$010010$ |
| <br>$T_{15}$ | <br><br><br> | $001010$<br>$001001$<br>$010010$<br>$010001$ |