

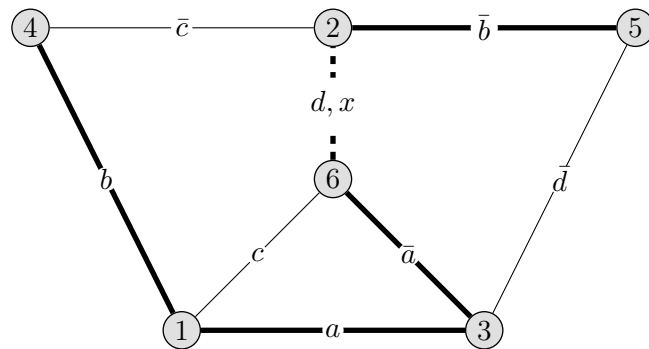
Crashing Counterexample

Benjamin Peyrille

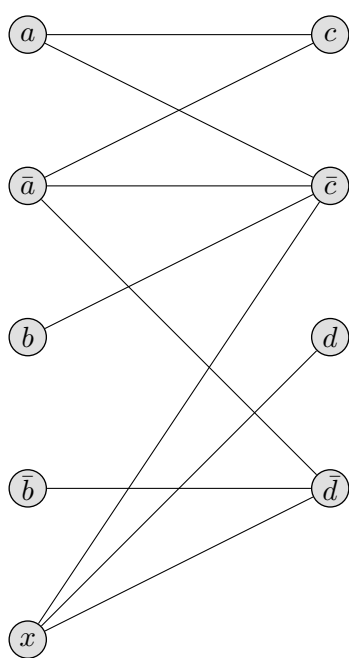
22 June 2022

Setting (github implementation)

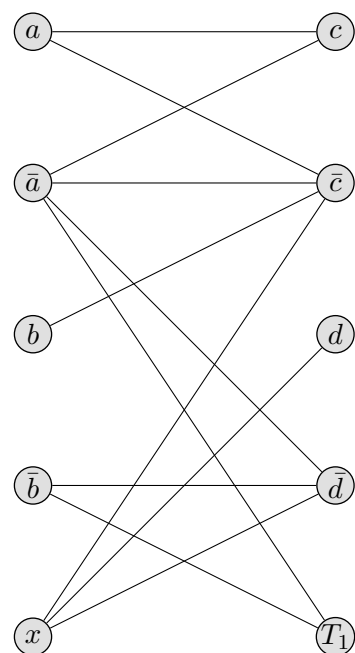
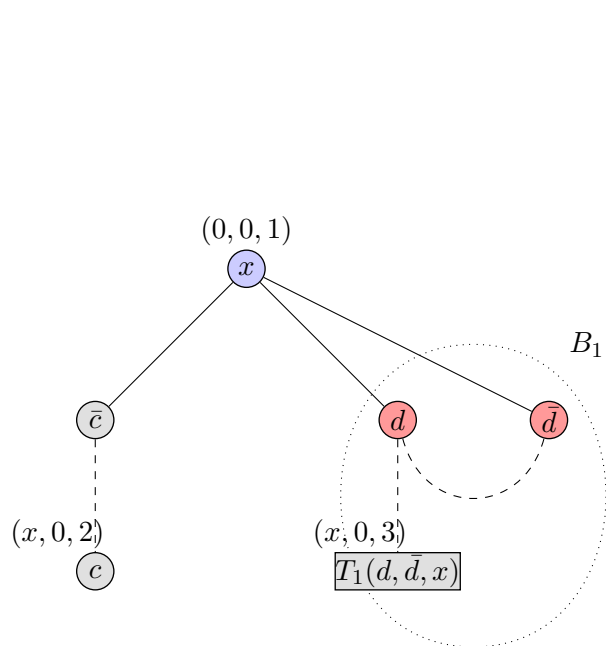
```
6
1 3
3 6
1 4
2 5
1 6
2 4
2 6
3 5
0 0
1
2
3
4
0
# :EgGEQ_Q (sparse6 code)
# 8 (element amount)
```



We added the singleton $(6, 2) : x$.

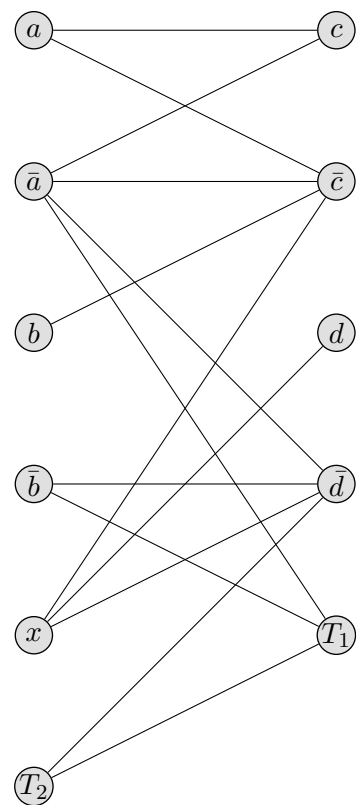
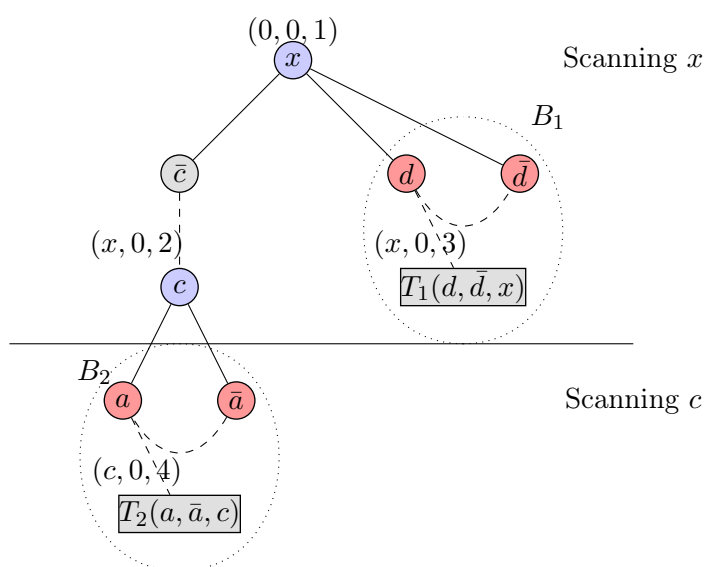


Scanning x



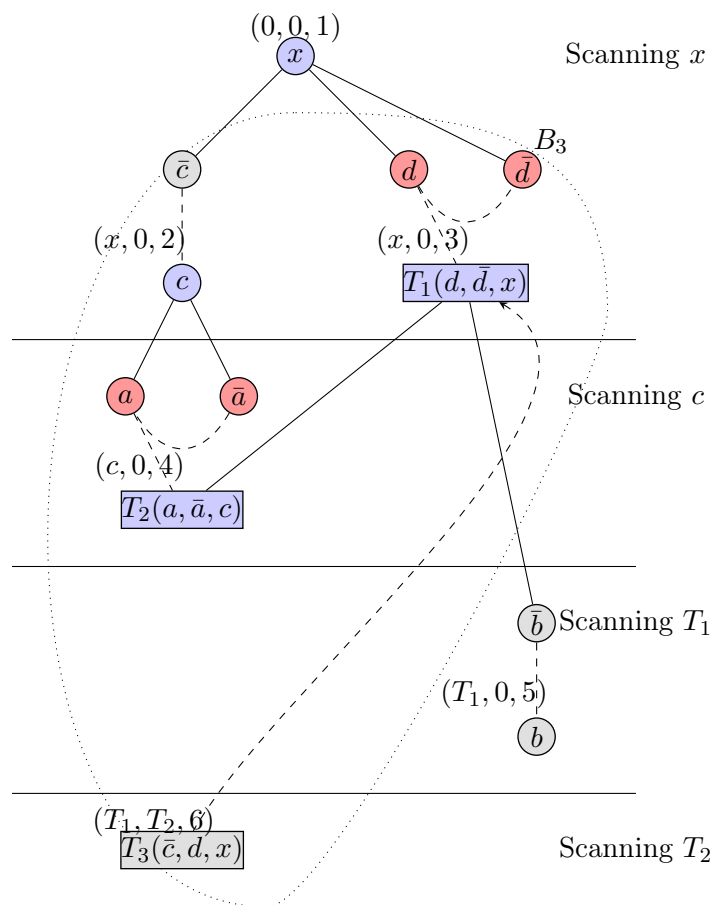
Labelled c from \bar{c} , then made a degenerate blossom B_1 from d and \bar{d} .

Scanning c



From c we made the degenerate blossom B_2 and the associated transform T_2 .

Scanning T_1 , then T_2

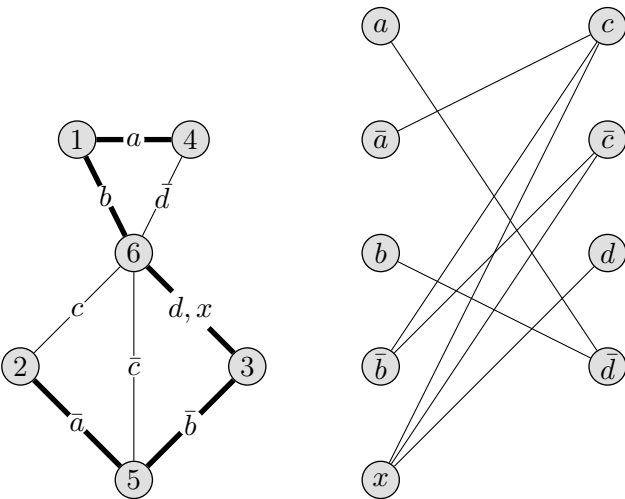


Scanning b then T_3

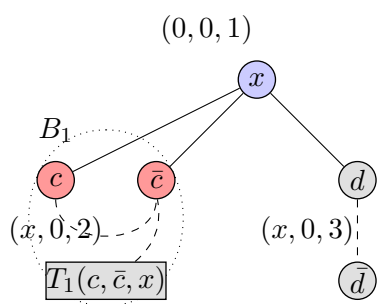
Scanning b from T_3 leads to a blossom step creating an illegal transform in the implementation.

Setting, First Tip edit

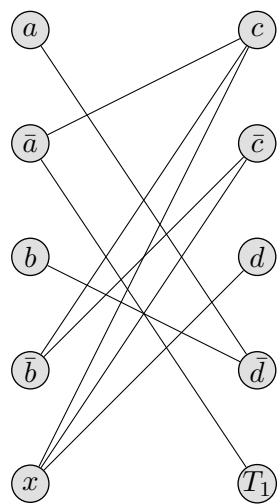
```
6
1 4
2 5
1 6
3 5
2 6
5 6
3 6
4 6
0 0
1
2
3
4
0
# :EkHI@Gs (sparse6 code)
# 8 (element amount)
```



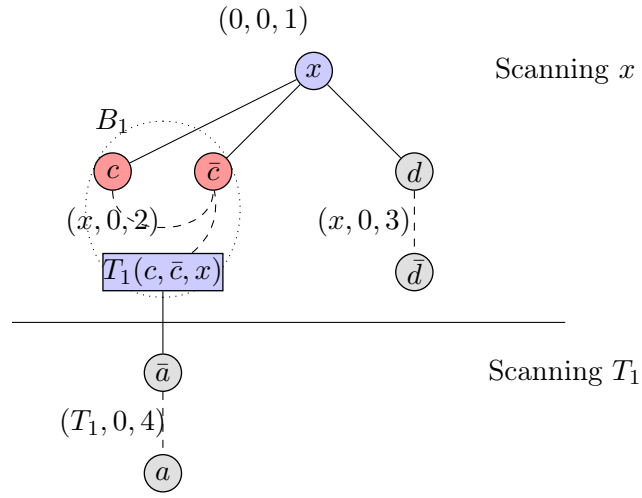
Scanning x



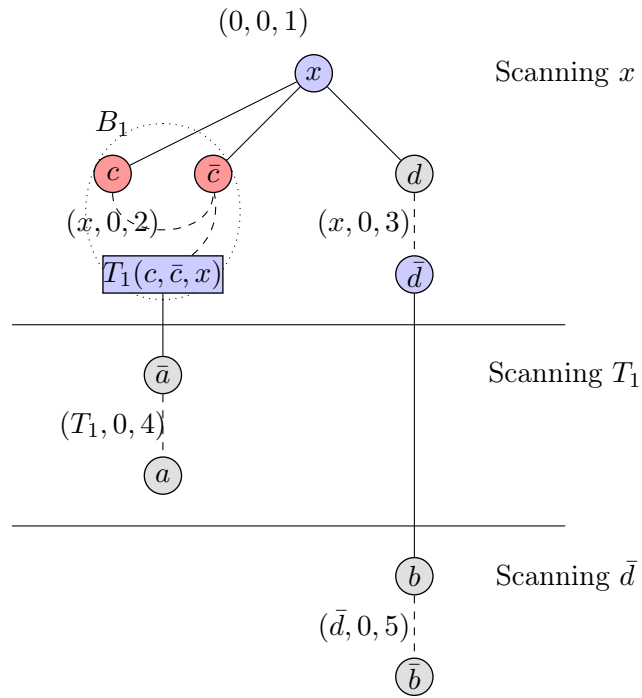
Scanning x



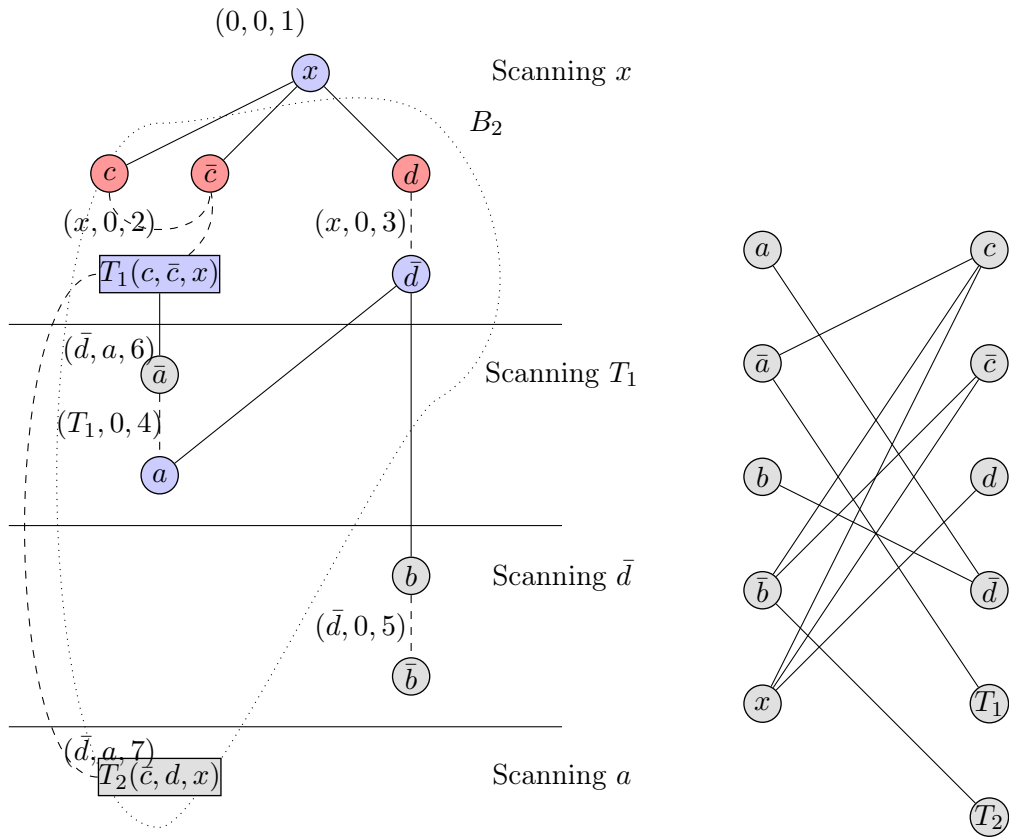
Scanning T_1



Scanning \bar{d}



Scanning a



Scanning \bar{b} then \bar{a}

ERROR FROM IMPLEMENTATION: \bar{a} SCANS T_1 !

Proper execution of the algorithm would lead *no* valid actions to take.

Scanning T_2