O
flipflip(v_0, C Tree [C Tree [C Leaf [C A [[]]] C E [[]] C Leaf [C B [[]]]] C D [[]] C Leaf [C C [[]]]])

C
flip(v_1, C Tree [C Tree [C Leaf [C A [[]]] C E [[]] C Leaf [C B [[]]]] C D [[]] C Leaf [C C [[]]]]), flip(v_0, v_1)
[ ]

O
flip(v_1, C Tree [C Tree [C Leaf [C A [[]]] C E [[]] C Leaf [C B [[]]]] C D [[]] C Leaf [C C [[]]]])

C
flip(v_3, C Leaf [C C [[]]]), flip(v_4, C Tree [C Leaf [C A [[]]] C E [[]] C Leaf [C B [[]]]]), flip(v_0, C Tree [v_3 C D [[]] v_4])
[v_1 → C Tree [v_3 v_5 v_4], v_5 → C D [[]], v_6 → C Tree [C Leaf [C A [[]]] C E [[]] C Leaf [C B [[]]]], v_7 → C Leaf [C C [[]]]]

O
flip(v_3, C Leaf [C C [[]]])

C
flip(v_4, C Tree [C Leaf [C A [[]]] C E [[]] C Leaf [C B [[]]]]), flip(v_0, C Tree [C Leaf [C C [[]]] C D [[]] v_4])
[v_1 → C Tree [v_3 v_5 v_4], v_3 → C Leaf [v_8], v_5 → C D [[]], v_6 → C Tree [C Leaf [C A [[]]] C E [[]] C Leaf [C B [[]]]], v_7 → C Leaf [C C [[]]], v_8 → C C [[]]]

O
flip(v_4, C Tree [C Leaf [C A [[]]] C E [[]] C Leaf [C B [[]]]])

C
flip(v_{15}, C Leaf [C B [[]]]), flip(v_{16}, C Leaf [C A [[]]]), flip(v_0, C Tree [C Leaf [C C [[]]] C D [[]] C Tree [v_{15} C E [[]] v_{16}])
[v_1 → C Tree [v_3 v_5 v_4], v_3 → C Leaf [v_8], v_4 → C Tree [v_{15} v_{17} v_{16}], v_5 → C D [[]], v_6 → C Tree [C Leaf [C A [[]]] C E [[]] C Leaf [C B [[]]]], v_7 → C Leaf [C C [[]]], v_8 → C C [[]], v_{17} → C E [[]], v_{18} → C Leaf [C A [[]]], v_{19} → C Leaf [C B [[]]]]

O
flip(v_{15}, C Leaf [C B [[]]])

C
flip(v_{16}, C Leaf [C A [[]]]), flip(v_0, C Tree [C Leaf [C C [[]]] C D [[]] C Tree [C Leaf [C B [[]]] C E [[]] v_{16}])
[v_1 → C Tree [v_3 v_5 v_4], v_3 → C Leaf [v_8], v_4 → C Tree [v_{15} v_{17} v_{16}], v_5 → C D [[]], v_6 → C Tree [C Leaf [C A [[]]] C E [[]] C Leaf [C B [[]]]], v_7 → C Leaf [C C [[]]], v_8 → C C [[]], v_{15} → C Leaf [v_{20}], v_{17} → C E [[]], v_{18} → C Leaf [C A [[]]], v_{19} → C Leaf [C B [[]]]]

O
flip(v_{16}, C Leaf [C A [[]]])

C
flip(v_0, C Tree [C Leaf [C C [[]]] C D [[]] C Tree [C Leaf [C B [[]]] C E [[]] C Leaf [C A [[]]]])
[v_1 → C Tree [v_3 v_5 v_4], v_3 → C Leaf [v_8], v_4 → C Tree [v_{15} v_{17} v_{16}], v_5 → C D [[]], v_6 → C Tree [C Leaf [C A [[]]] C E [[]] C Leaf [C B [[]]]], v_7 → C Leaf [C C [[]]], v_8 → C C [[]], v_{15} → C Leaf [v_{20}], v_{16} → C Leaf [v_{26}], v_{17} → C E [[]], v_{18} → C Leaf [C A [[]]], v_{19} → C Leaf [C B [[]]], v_{20} → C B [[]]]

O
flip(v_0, C Tree [C Leaf [C C [[]]] C D [[]] C Tree [C Leaf [C B [[]]] C E [[]] C Leaf [C A [[]]]])

C
flip(v_{33}, C Tree [C Leaf [C B [[]]] C E [[]] C Leaf [C A [[]]]]), flip(v_{34}, C Leaf [C C [[]]])
[v_0 → C Tree [v_{33} v_{35} v_{34}], v_1 → C Tree [v_3 v_5 v_4], v_3 → C Leaf [v_8], v_4 → C Tree [v_{15} v_{17} v_{16}], v_5 → C D [[]], v_6 → C Tree [C Leaf [C A [[]]] C E [[]] C Leaf [C B [[]]]], v_7 → C Leaf [C C [[]]], v_8 → C C [[]], v_{15} → C Leaf [v_{20}], v_{16} → C Leaf [v_{26}], v_{17} → C E [[]], v_{18} → C Leaf [C A [[]]], v_{19} → C Leaf [C B [[]]], v_{20} → C B [[]], v_{26} → C A [[]], v_{35} → C D [[]], v_{36} → C Leaf [C C [[]]], v_{37} → C Tree [C Leaf [C B [[]]] C E [[]] C Leaf [C A [[]]]]]

O
flip(v_{33}, C Tree [C Leaf [C B [[]]] C E [[]] C Leaf [C A [[]]]])

C
flip(v_{39}, C Leaf [C A [[]]]), flip(v_{40}, C Leaf [C B [[]]]), flip(v_{34}, C Leaf [C C [[]]])
[v_0 → C Tree [v_{33} v_{35} v_{34}], v_1 → C Tree [v_3 v_5 v_4], v_3 → C Leaf [v_8], v_4 → C Tree [v_{15} v_{17} v_{16}], v_5 → C D [[]], v_6 → C Tree [C Leaf [C A [[]]] C E [[]] C Leaf [C B [[]]]], v_7 → C Leaf [C C [[]]], v_8 → C C [[]], v_{15} → C Leaf [v_{20}], v_{16} → C Leaf [v_{26}], v_{17} → C E [[]], v_{18} → C Leaf [C A [[]]], v_{19} → C Leaf [C B [[]]], v_{20} → C B [[]], v_{26} → C A [[]], v_{33} → C Tree [v_{39} v_{41} v_{40}], v_{35} → C D [[]], v_{36} → C Leaf [C C [[]]], v_{37} → C Tree [C Leaf [C B [[]]] C E [[]] C Leaf [C A [[]]]], v_{41} → C E [[]], v_{42} → C Leaf [C B [[]]], v_{43} → C Leaf [C A [[]]]]

O
flip(v_{39}, C Leaf [C A [[]]])

C
flip(v_{40}, C Leaf [C B [[]]]), flip(v_{34}, C Leaf [C C [[]]])
[v_0 → C Tree [v_{33} v_{35} v_{34}], v_1 → C Tree [v_3 v_5 v_4], v_3 → C Leaf [v_8], v_4 → C Tree [v_{15} v_{17} v_{16}], v_5 → C D [[]], v_6 → C Tree [C Leaf [C A [[]]] C E [[]] C Leaf [C B [[]]]], v_7 → C Leaf [C C [[]]], v_8 → C C [[]], v_{15} → C Leaf [v_{20}], v_{16} → C Leaf [v_{26}], v_{17} → C E [[]], v_{18} → C Leaf [C A [[]]], v_{19} → C Leaf [C B [[]]], v_{20} → C B [[]], v_{26} → C A [[]], v_{33} → C Tree [v_{39} v_{41} v_{40}], v_{35} → C D [[]], v_{36} → C Leaf [C C [[]]], v_{37} → C Tree [C Leaf [C B [[]]] C E [[]] C Leaf [C A [[]]]], v_{39} → C Leaf [v_{44}], v_{41} → C E [[]], v_{42} → C Leaf [C B [[]]], v_{43} → C Leaf [C A [[]]], v_{44} → C A [[]]]

O
flip(v_{40}, C Leaf [C B [[]]])

C
flip(v_{34}, C Leaf [C C [[]]])
[v_0 → C Tree [v_{33} v_{35} v_{34}], v_1 → C Tree [v_3 v_5 v_4], v_3 → C Leaf [v_8], v_4 → C Tree [v_{15} v_{17} v_{16}], v_5 → C D [[]], v_6 → C Tree [C Leaf [C A [[]]] C E [[]] C Leaf [C B [[]]]], v_7 → C Leaf [C C [[]]], v_8 → C C [[]], v_{15} → C Leaf [v_{20}], v_{16} → C Leaf [v_{26}], v_{17} → C E [[]], v_{18} → C Leaf [C A [[]]], v_{19} → C Leaf [C B [[]]], v_{20} → C B [[]], v_{26} → C A [[]], v_{33} → C Tree [v_{39} v_{41} v_{40}], v_{35} → C D [[]], v_{36} → C Leaf [C C [[]]], v_{37} → C Tree [C Leaf [C B [[]]] C E [[]] C Leaf [C A [[]]]], v_{39} → C Leaf [v_{44}], v_{40} → C Leaf [v_{50}], v_{41} → C E [[]], v_{42} → C Leaf [C B [[]]], v_{43} → C Leaf [C A [[]]], v_{44} → C A [[]], v_{50} → C B [[]]]

O
flip(v_{34}, C Leaf [C C [[]]])

S
[v_0 → C Tree [v_{33} v_{35} v_{34}], v_1 → C Tree [v_3 v_5 v_4], v_3 → C Leaf [v_8], v_4 → C Tree [v_{15} v_{17} v_{16}], v_5 → C D [[]], v_6 → C Tree [C Leaf [C A [[]]] C E [[]] C Leaf [C B [[]]]], v_7 → C Leaf [C C [[]]], v_8 → C C [[]], v_{15} → C Leaf [v_{20}], v_{16} → C Leaf [v_{26}], v_{17} → C E [[]], v_{18} → C Leaf [C A [[]]], v_{19} → C Leaf [C B [[]]], v_{20} → C B [[]], v_{26} → C A [[]], v_{33} → C Tree [v_{39} v_{41} v_{40}], v_{34} → C Leaf [v_{56}], v_{35} → C D [[]], v_{36} → C Leaf [C C [[]]], v_{37} → C Tree [C Leaf [C B [[]]] C E [[]] C Leaf [C A [[]]]], v_{39} → C Leaf [v_{44}], v_{40} → C Leaf [v_{50}], v_{41} → C E [[]], v_{42} → C Leaf [C B [[]]], v_{43} → C Leaf [C A [[]]], v_{44} → C A [[]], v_{50} → C B [[]], v_{56} → C C [[]]]