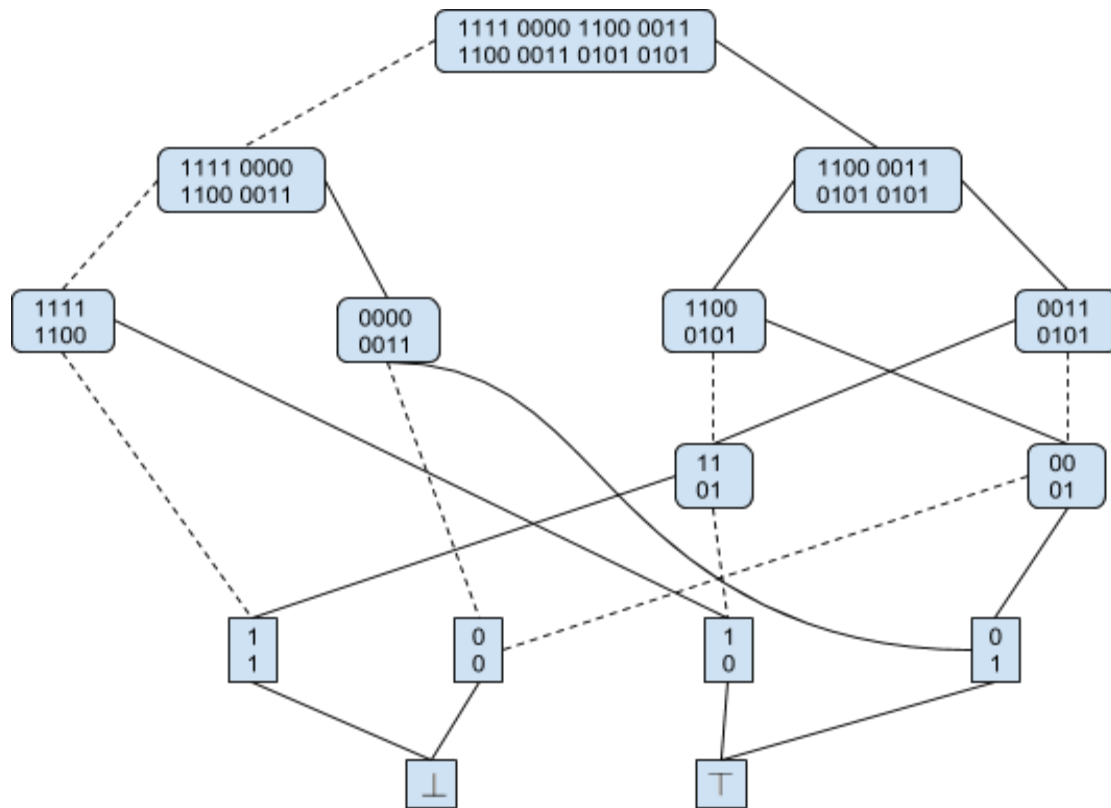


CSC322 Assignment 3

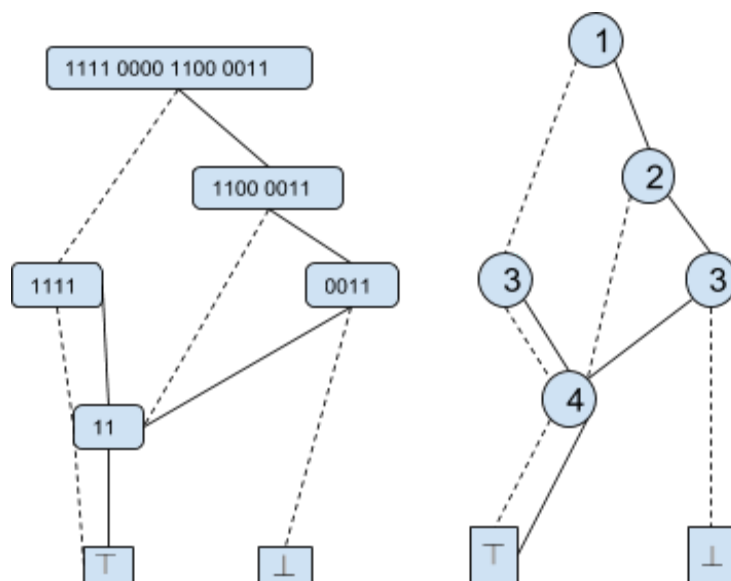
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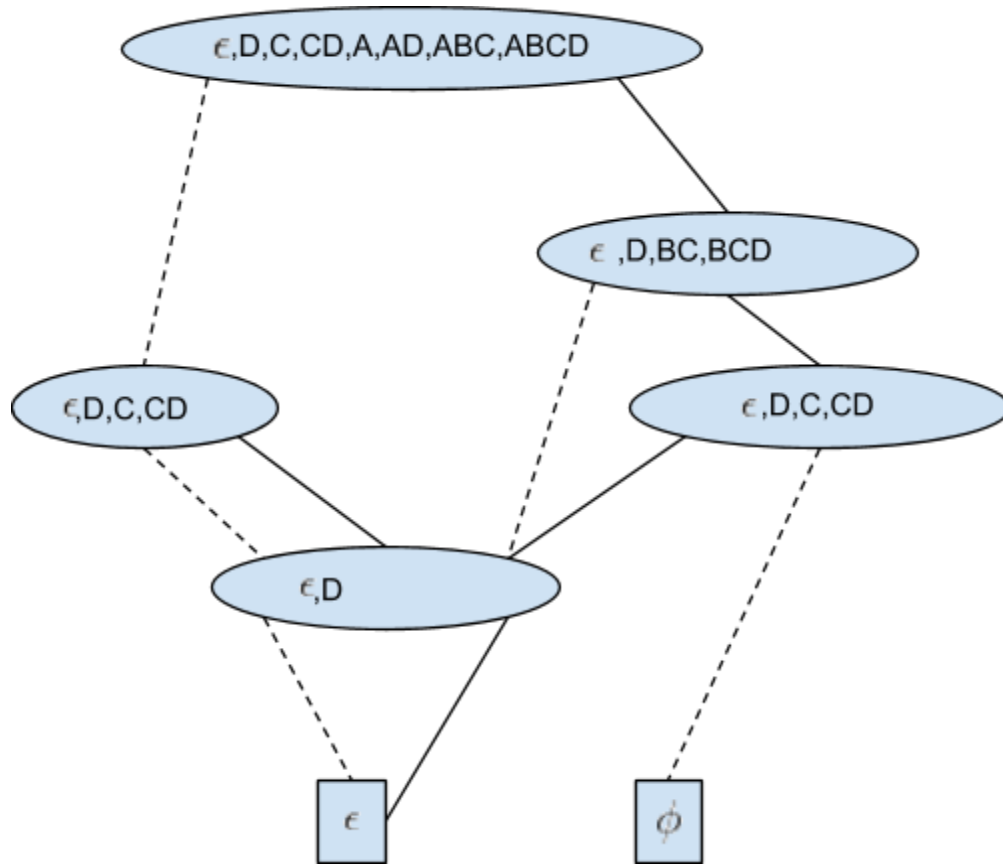
1.



2.



3. $\{\epsilon, D, C, CD, A, AD, ABC, ABCD\}$



4.

CountZDD(p)

If p is the 0 terminal return 0;
 If p is the 1 terminal return 1;
 If <p,k> is found in the result table return;
 $p_0 \leftarrow LO(p)$;
 $p_1 \leftarrow HI(p)$;
 $k \leftarrow \text{CountZDD}(p_0) + \text{CountZDD}(p_1)$;
 Add <p,k> into the result table;
 Return k;