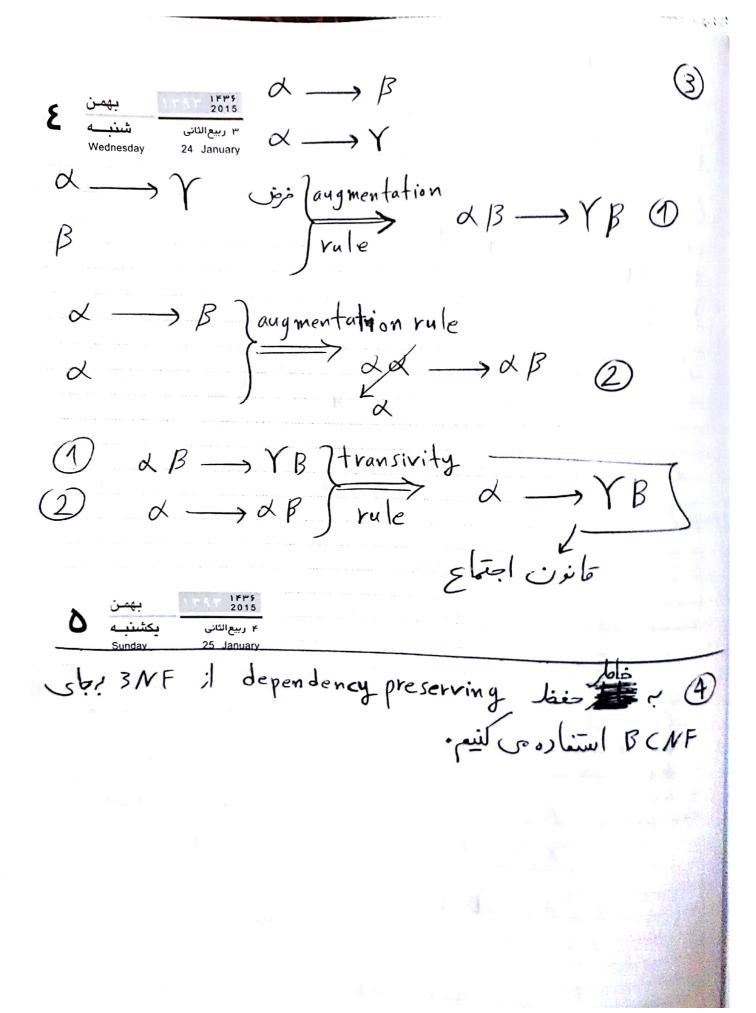
« به نام خدا » 9531×14 R1 (A,B,C)  $R_2(A,D,E)$ 1  $A \rightarrow BC$ RANR2 = (A)  $cD \longrightarrow F$  $B \longrightarrow D$  $E \longrightarrow A$ A -> R, L A -> R, resching - mbil (ب عبارت على ازآن هادر + F باسور)  $A \longrightarrow B \subset \{union\} A \longrightarrow ABC \longrightarrow A \longrightarrow R_1$ trivial A -> A MILEGICALINA OCCAPIAL A →ABC € F+ · - w lossless (decomposition my 2015) 2  $A \longrightarrow B$  $BC \longrightarrow 0$ AEF -> G Seresult (ill result = A,C I = A, C, BBC -D  $= A_{\rho} C_{\rho} B_{\rho} D$ Scresult ب) حز ، زیرا AFC مه AFC عضو ۲ نسب.



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F(: 
$$A \rightarrow BC$$

Y9 (5)

Moralay  $B \leftarrow D$ 
 $D \rightarrow A$ 
 $R_{o}(A,B,C,D,E)$ 
 $A \rightarrow B, A \rightarrow C, A \rightarrow D, B \rightarrow D, D \rightarrow A, BC \rightarrow D$ 
 $B \leftarrow E$ 
 $R_{1}(A,F)$ 
 $R_{2}(B,F)$ 
 $R_{3}(D,F)$ 
 $R_{4}(B,D,E)$ 
 $R_{4}(B,D,E)$ 
 $R_{5}(A,F)$ 
 $R_{7}(A,F)$ 
 $R_{8}(A,F)$ 
 $R_{9}(B,D,E)$ 
 $R_{9}(A,F)$ 
 $R_{1}(B,D,E)$ 
 $R_{1}(B,D,E)$ 
 $R_{2}(B,F)$ 
 $R_{3}(B,D,E)$ 
 $R_{4}(B,D,E)$ 
 $R_{5}(A,F)$