## CS & IT ENGINEERING

Theory of Computation

Push Down Automata

Lecture No. 5





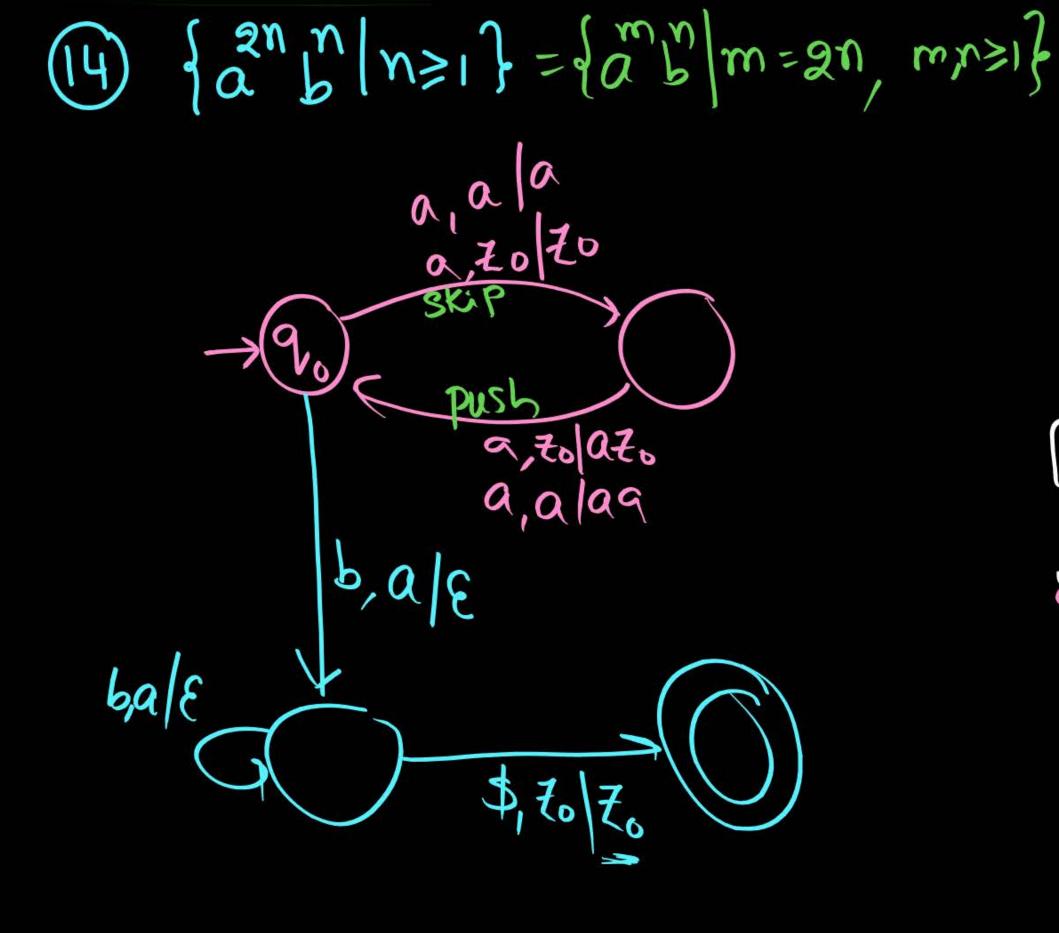


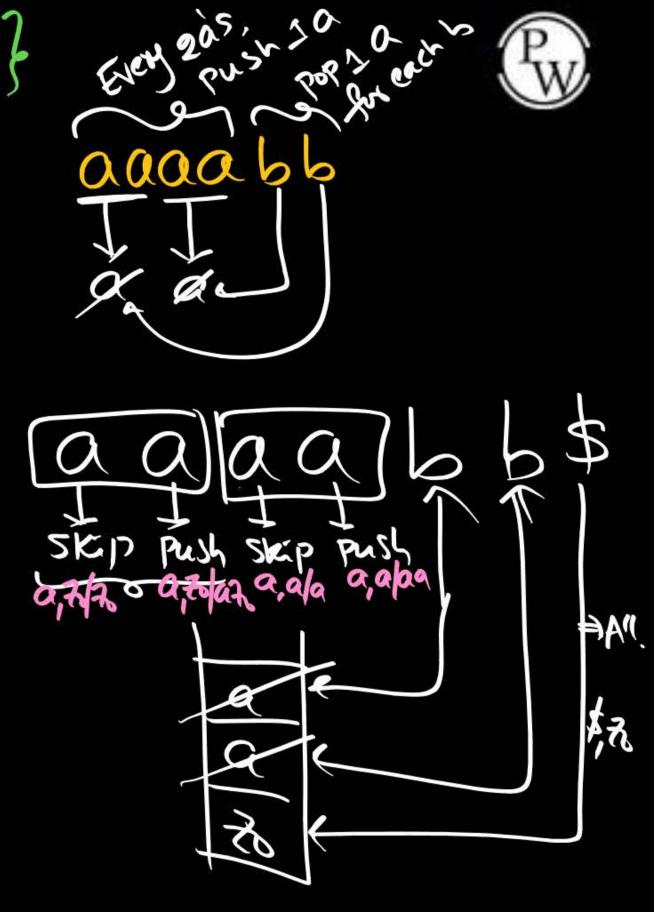


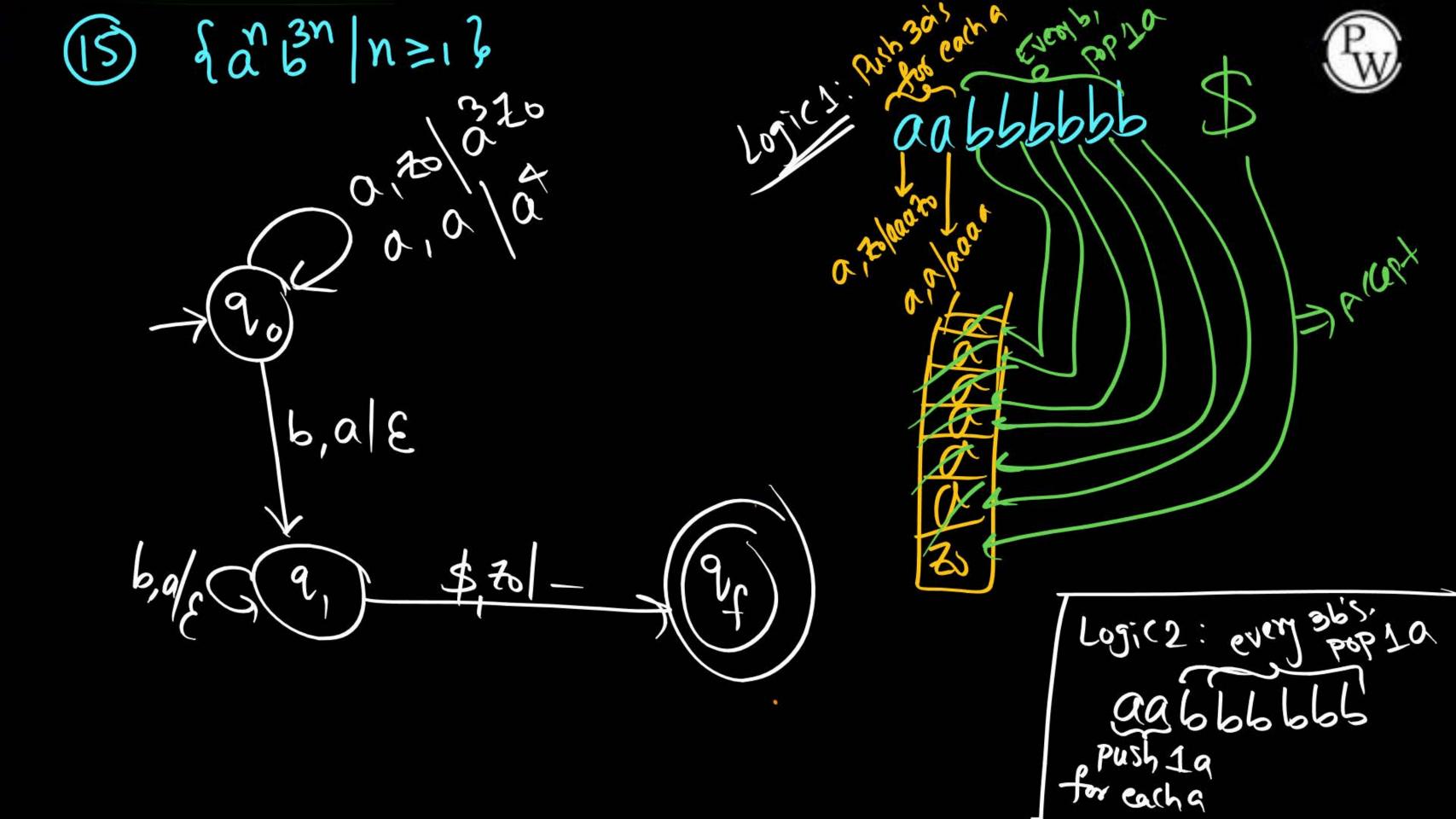
TOPICS TO BE

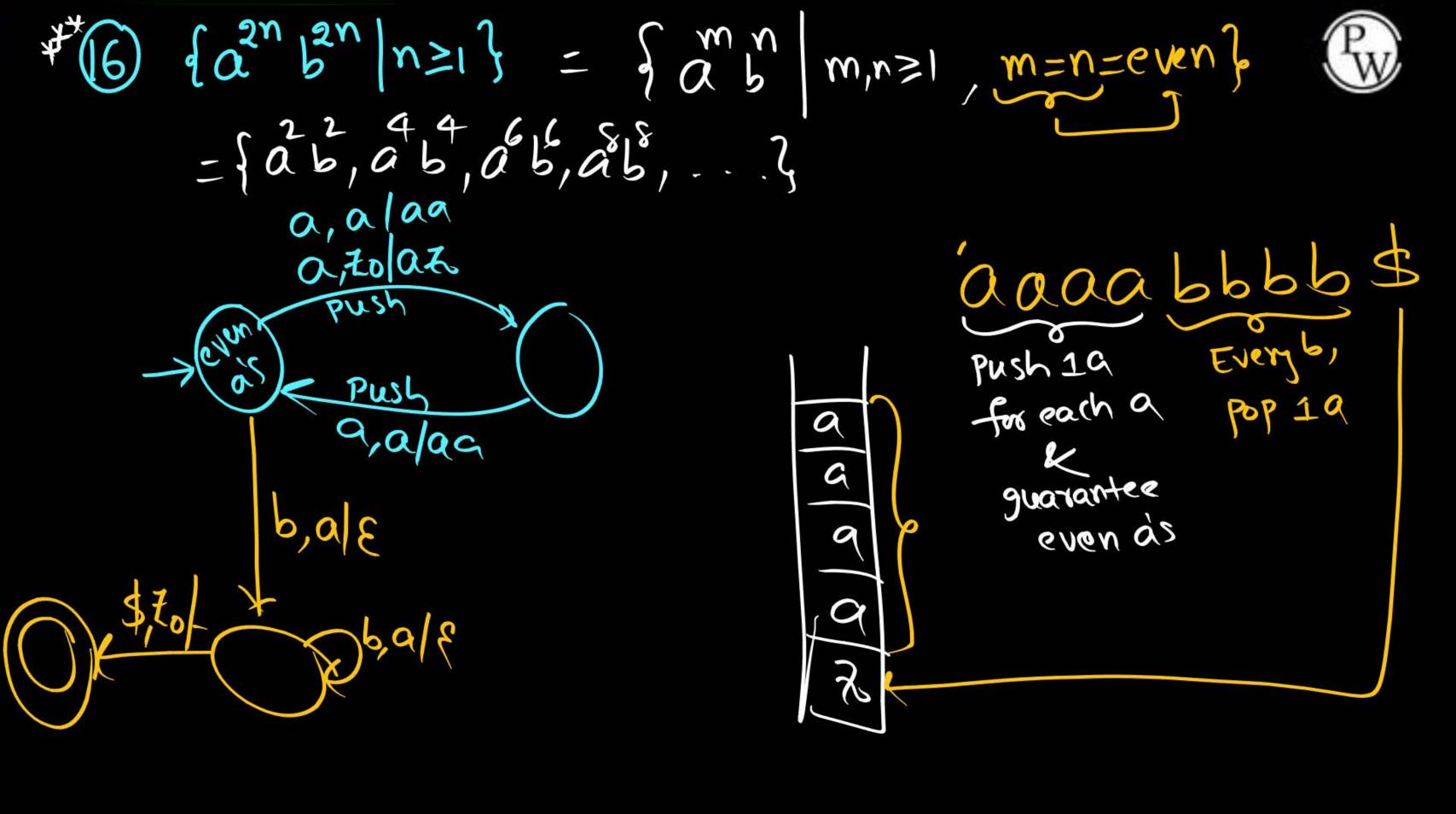
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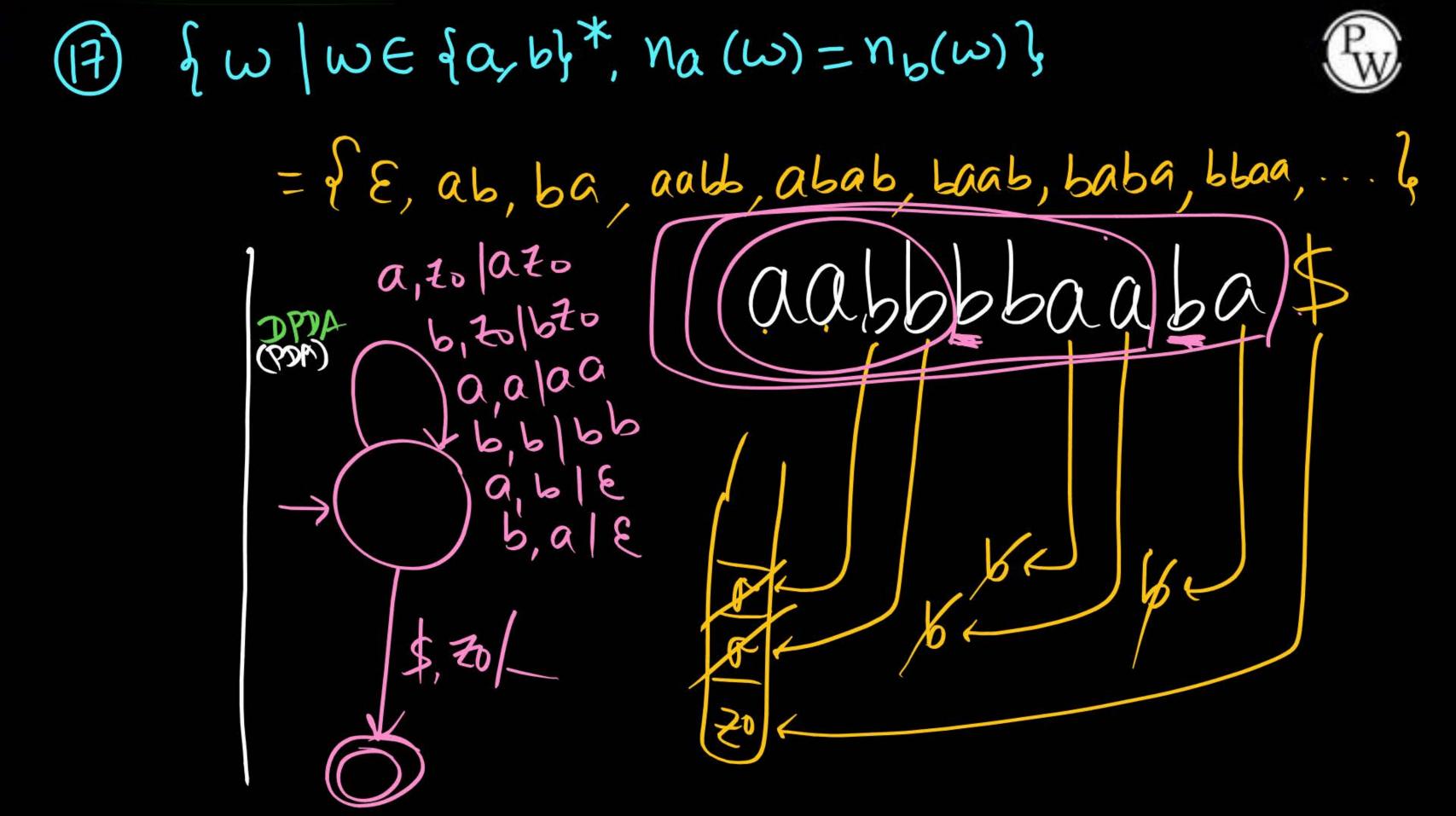


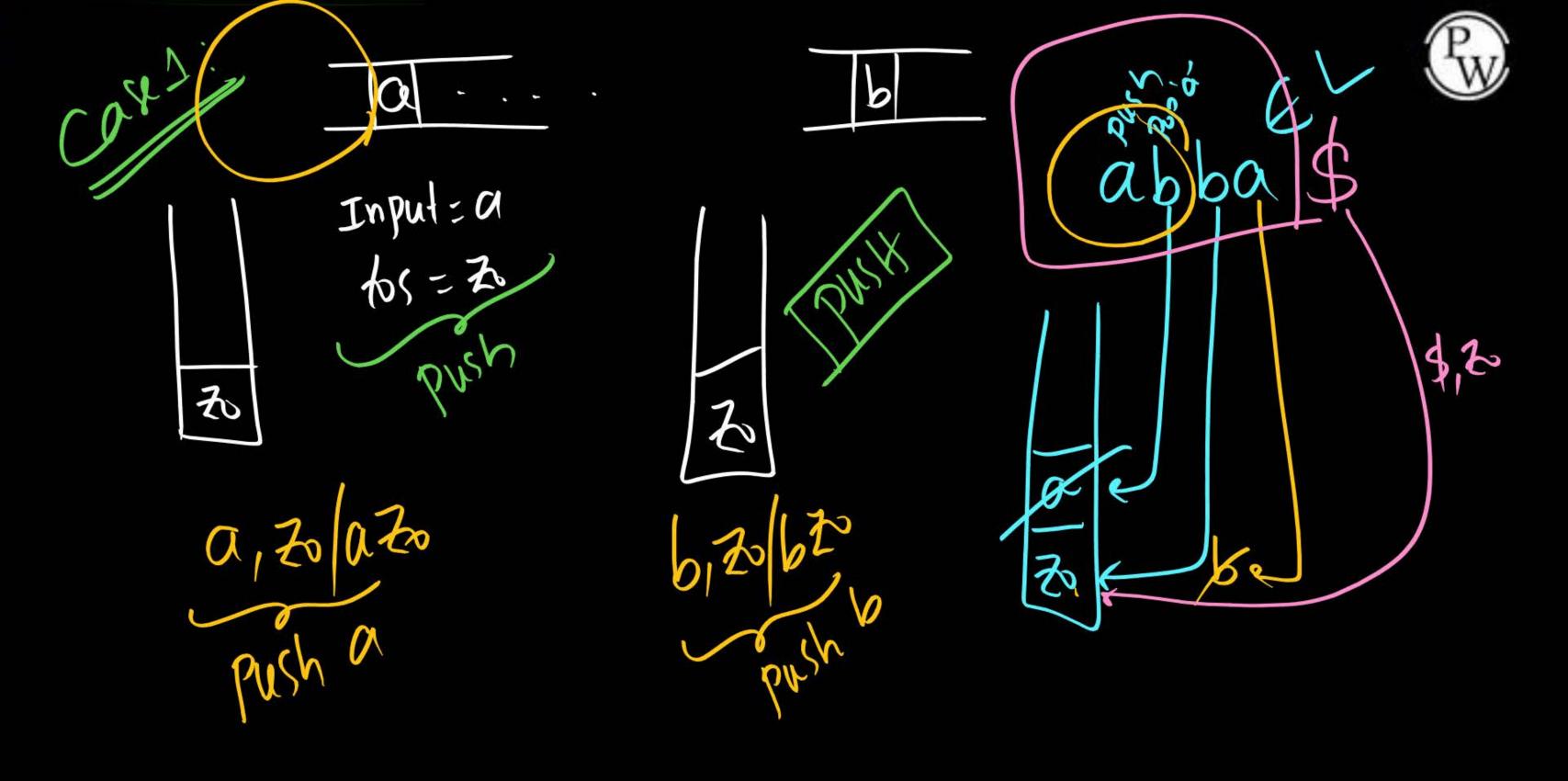


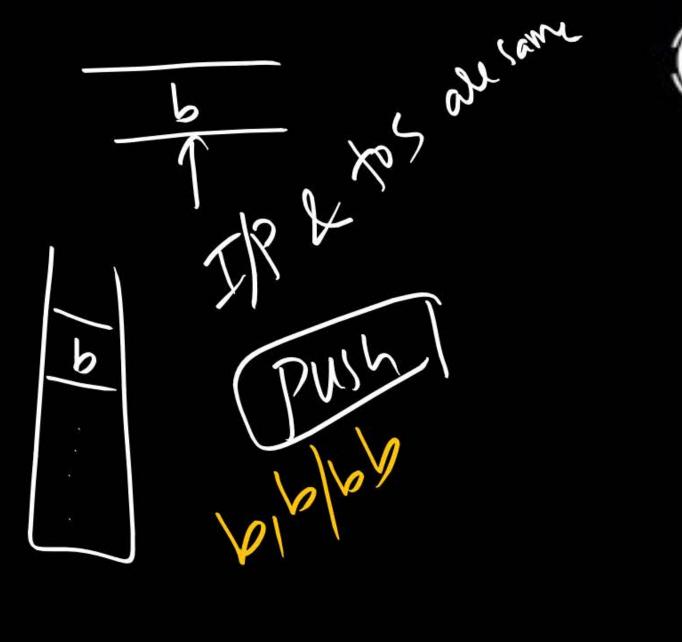




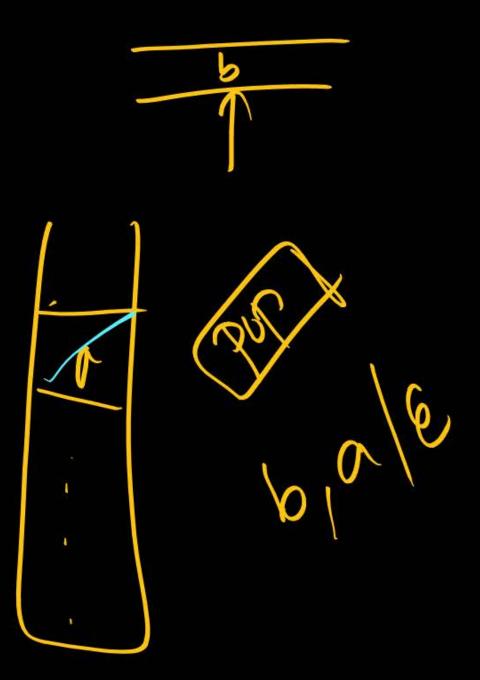




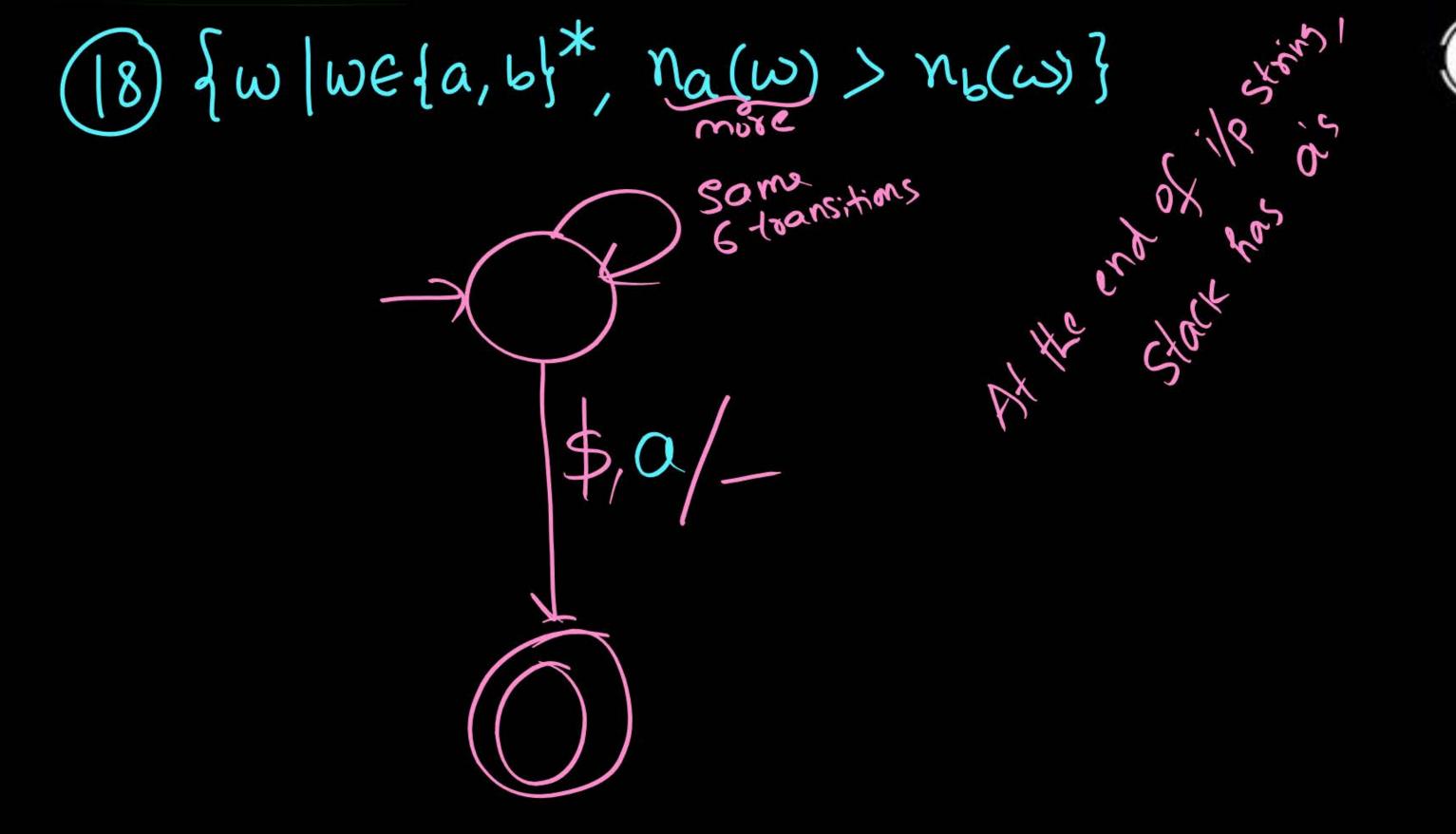


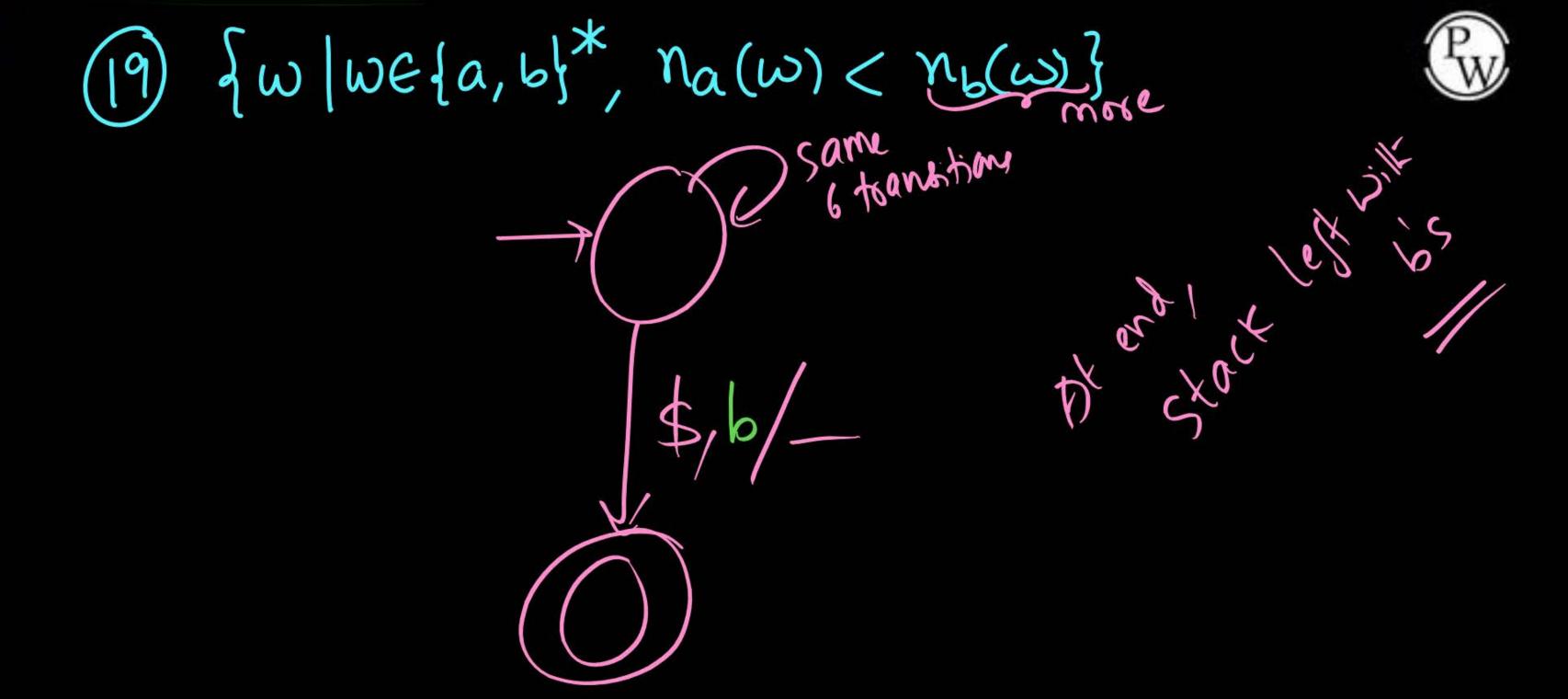


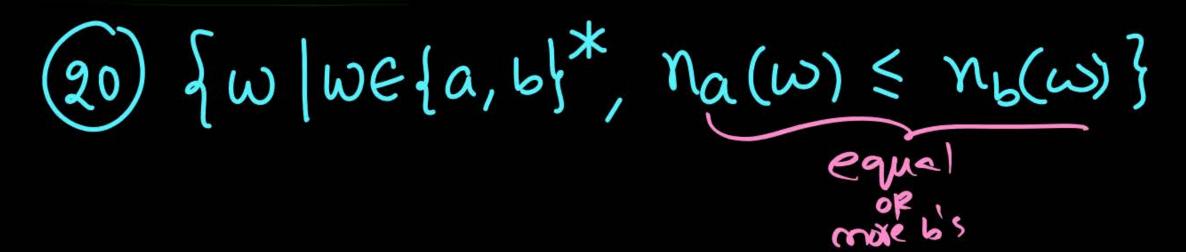
CONTIN



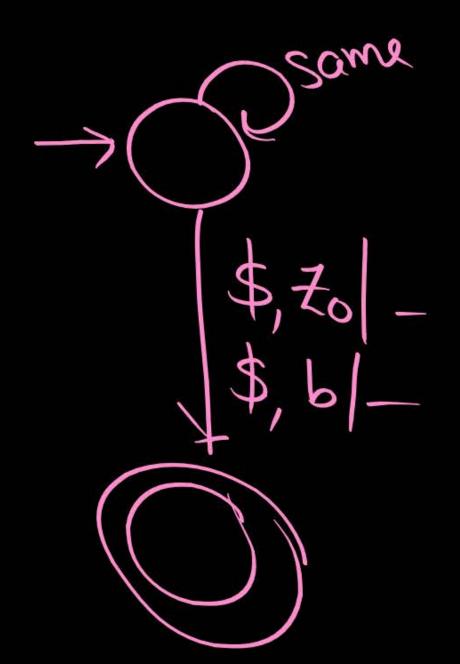


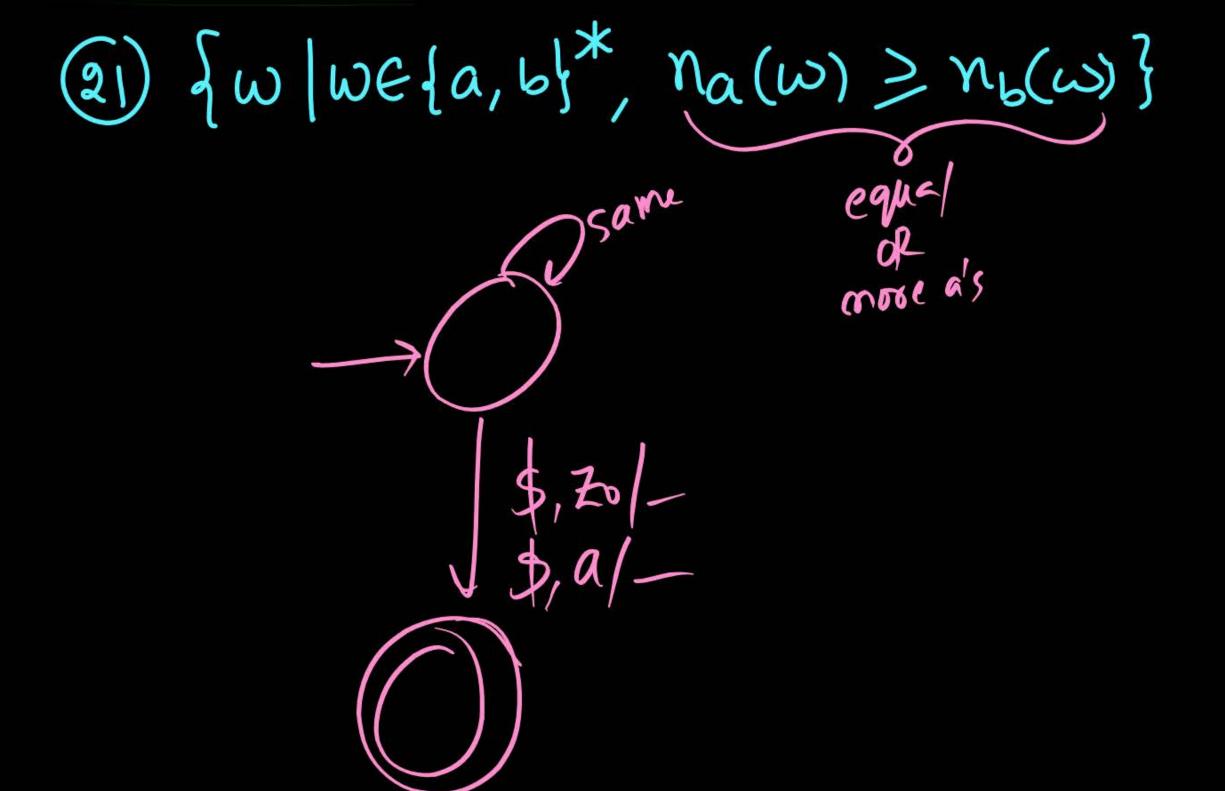




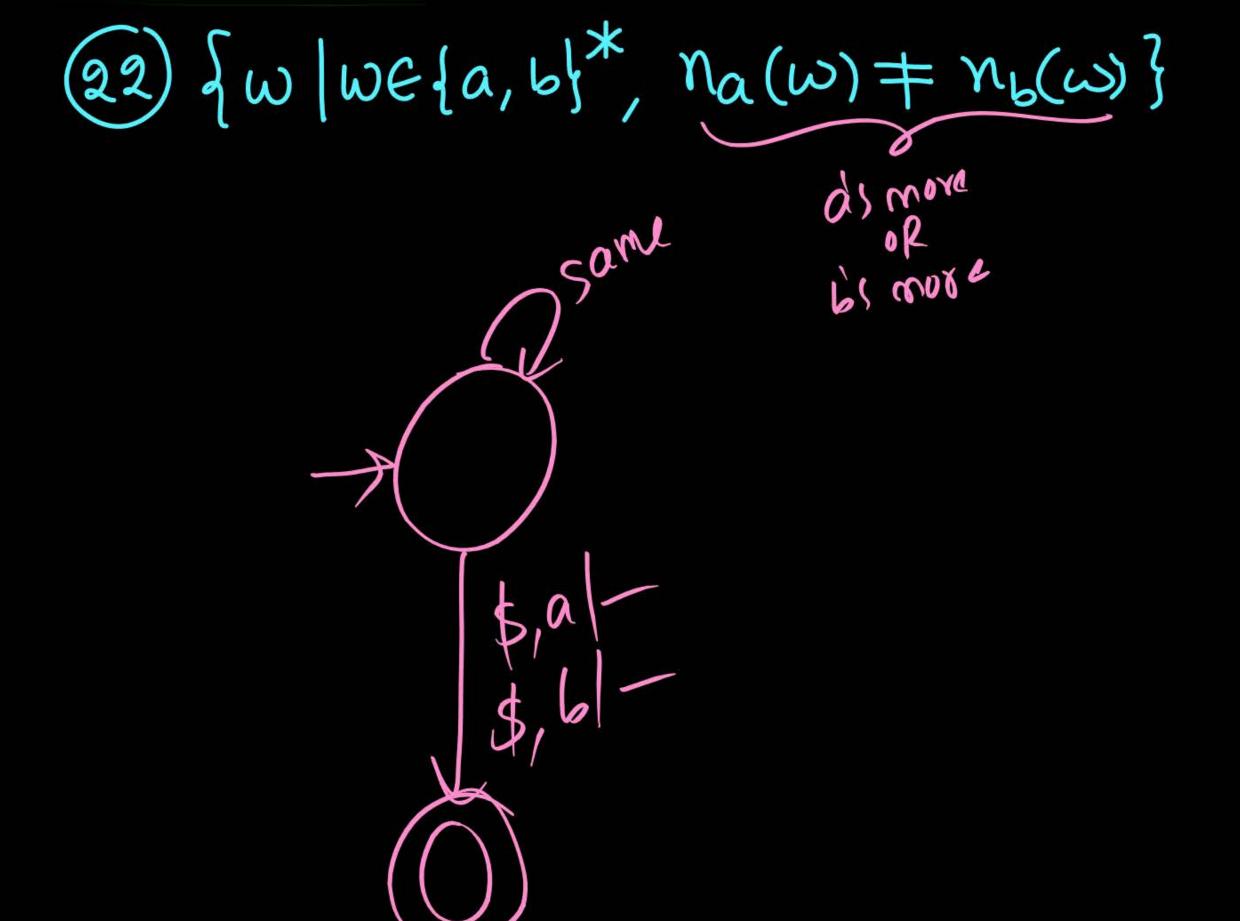




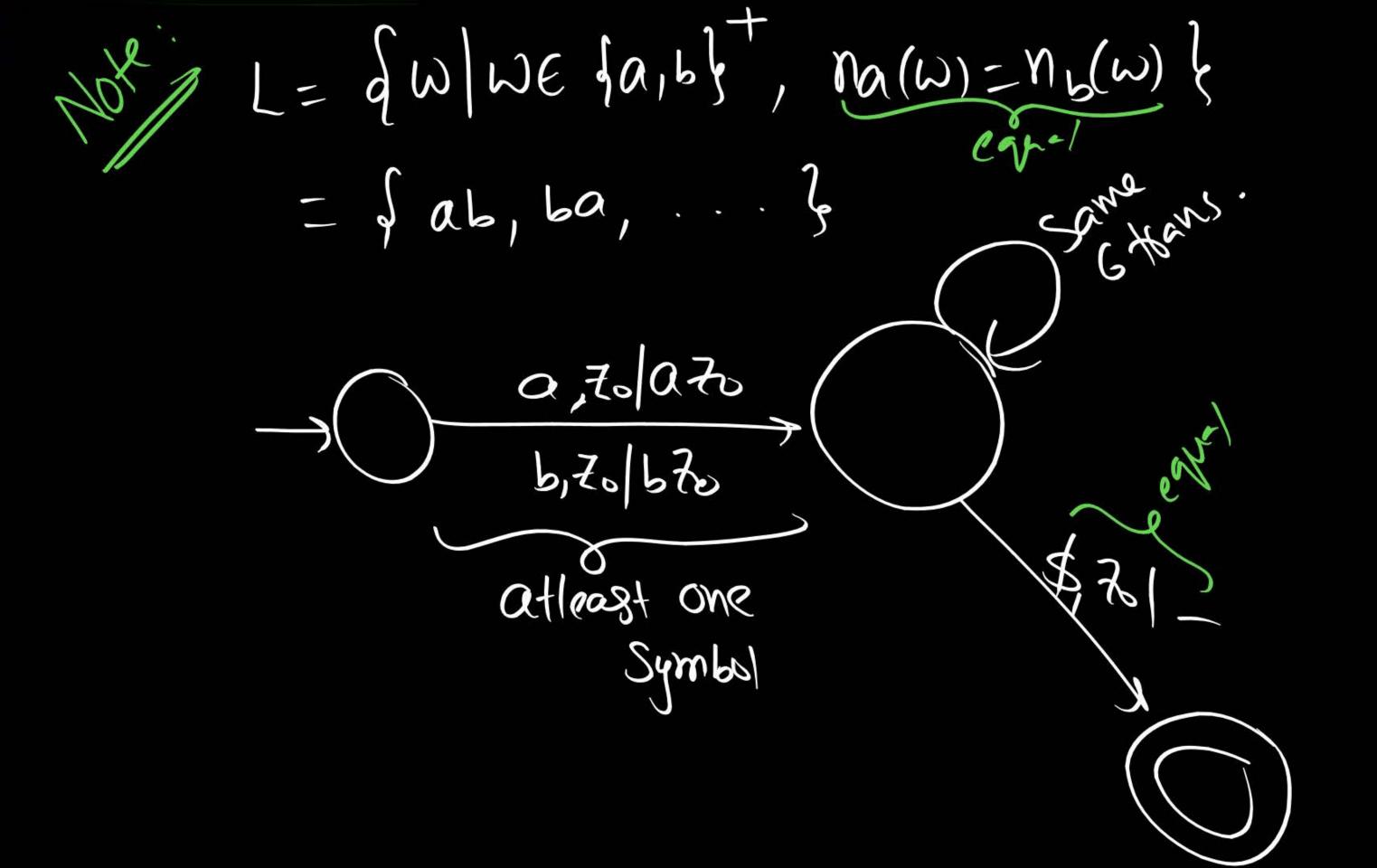




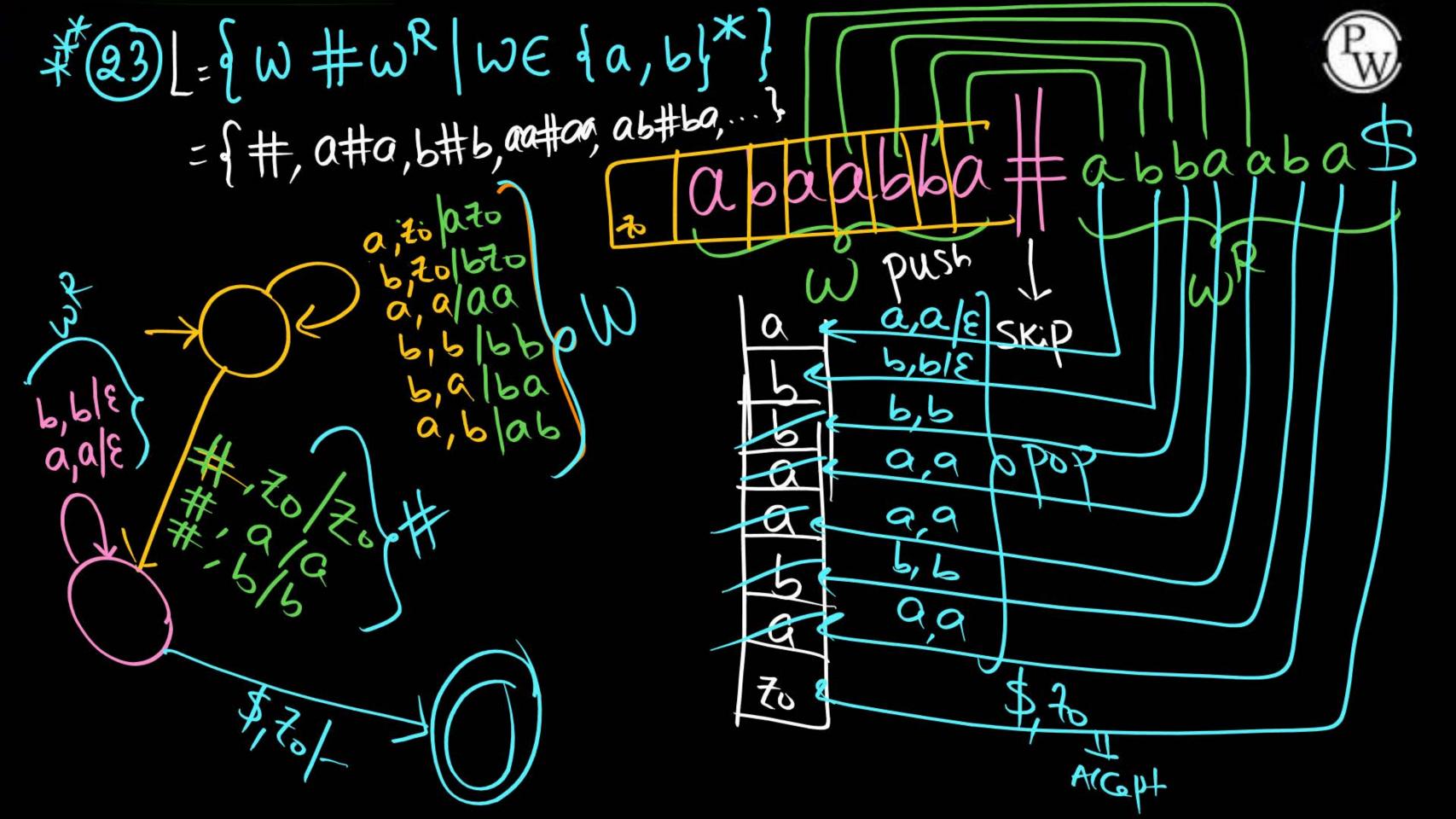


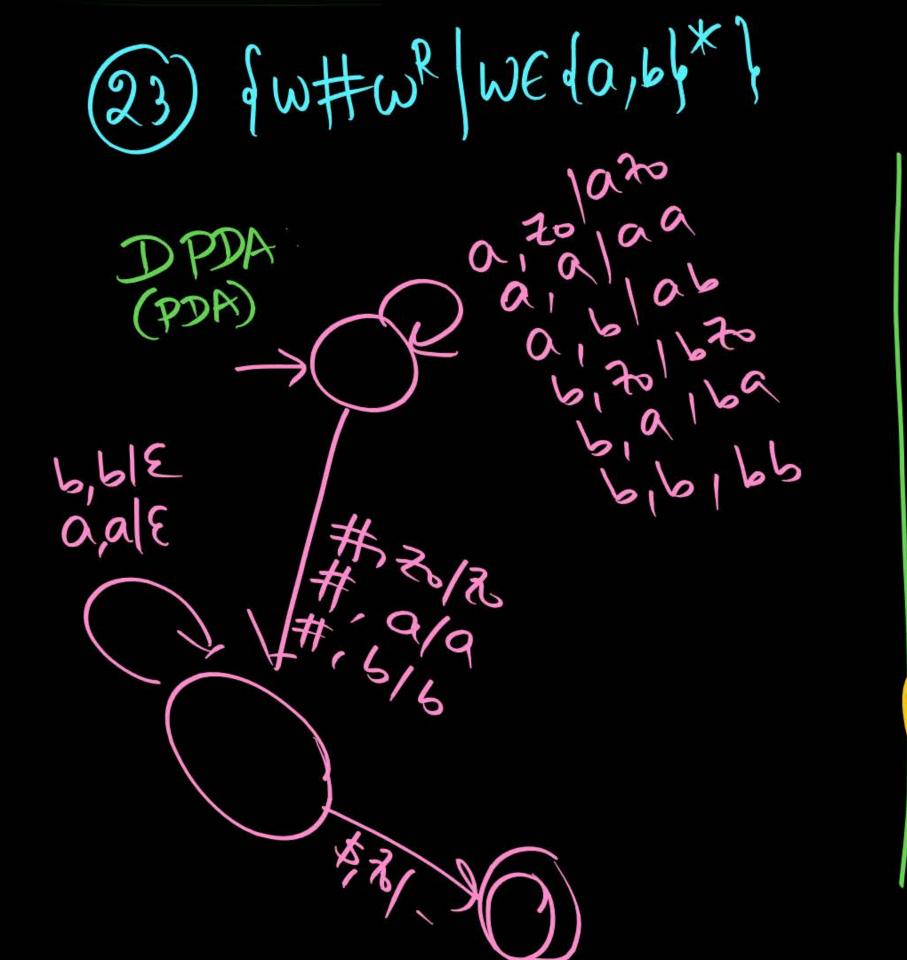






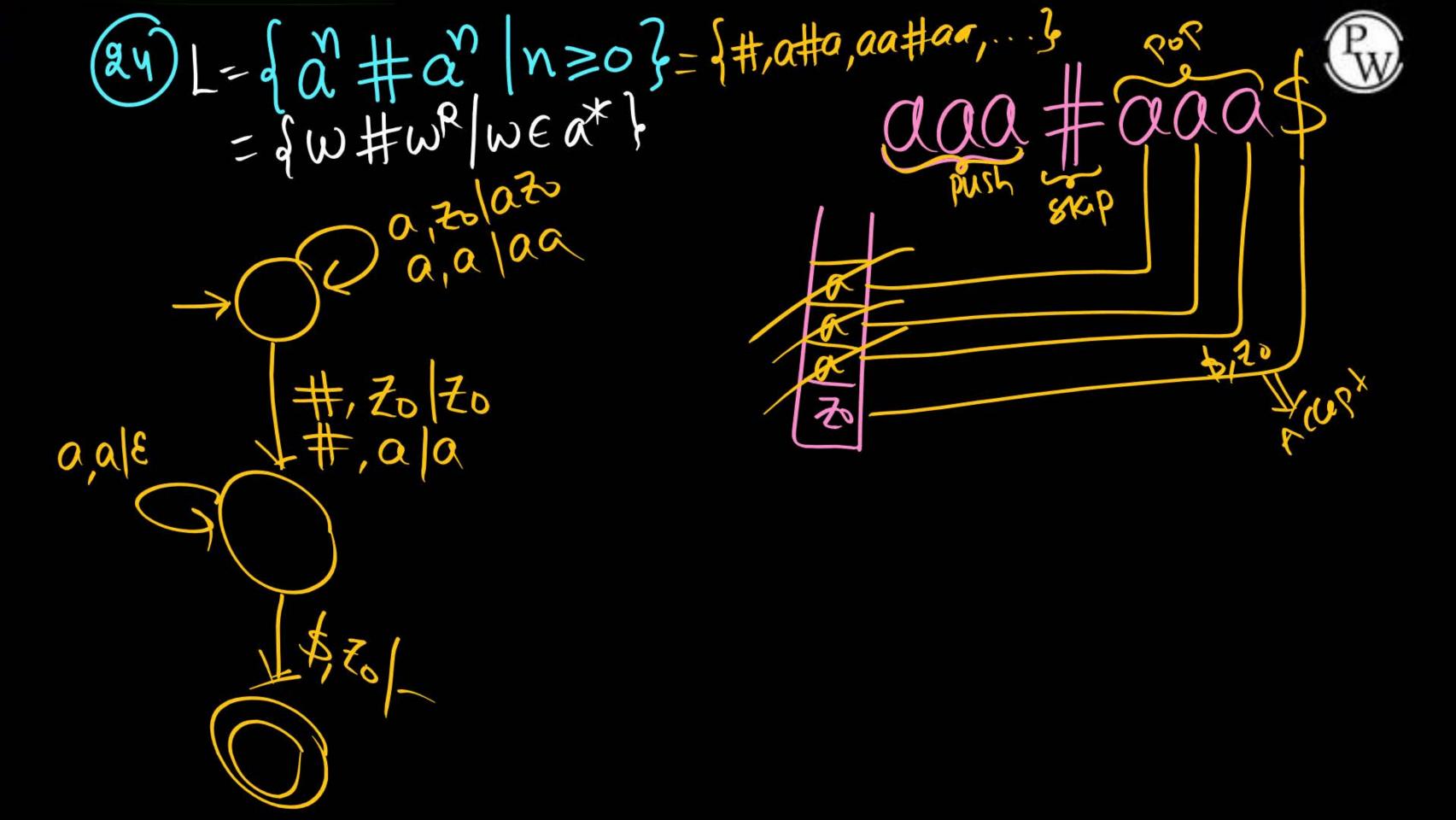


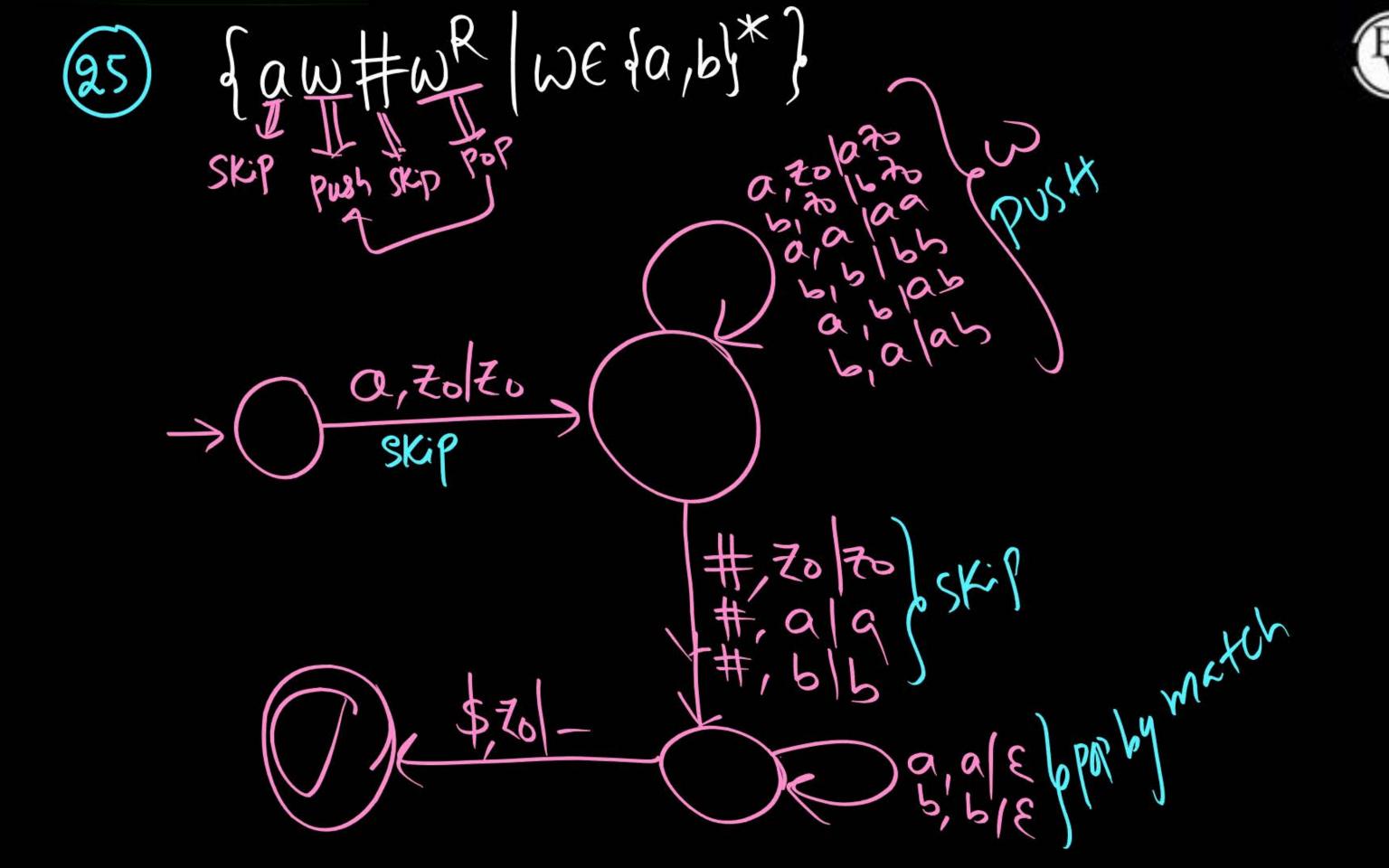






(not DPDA)







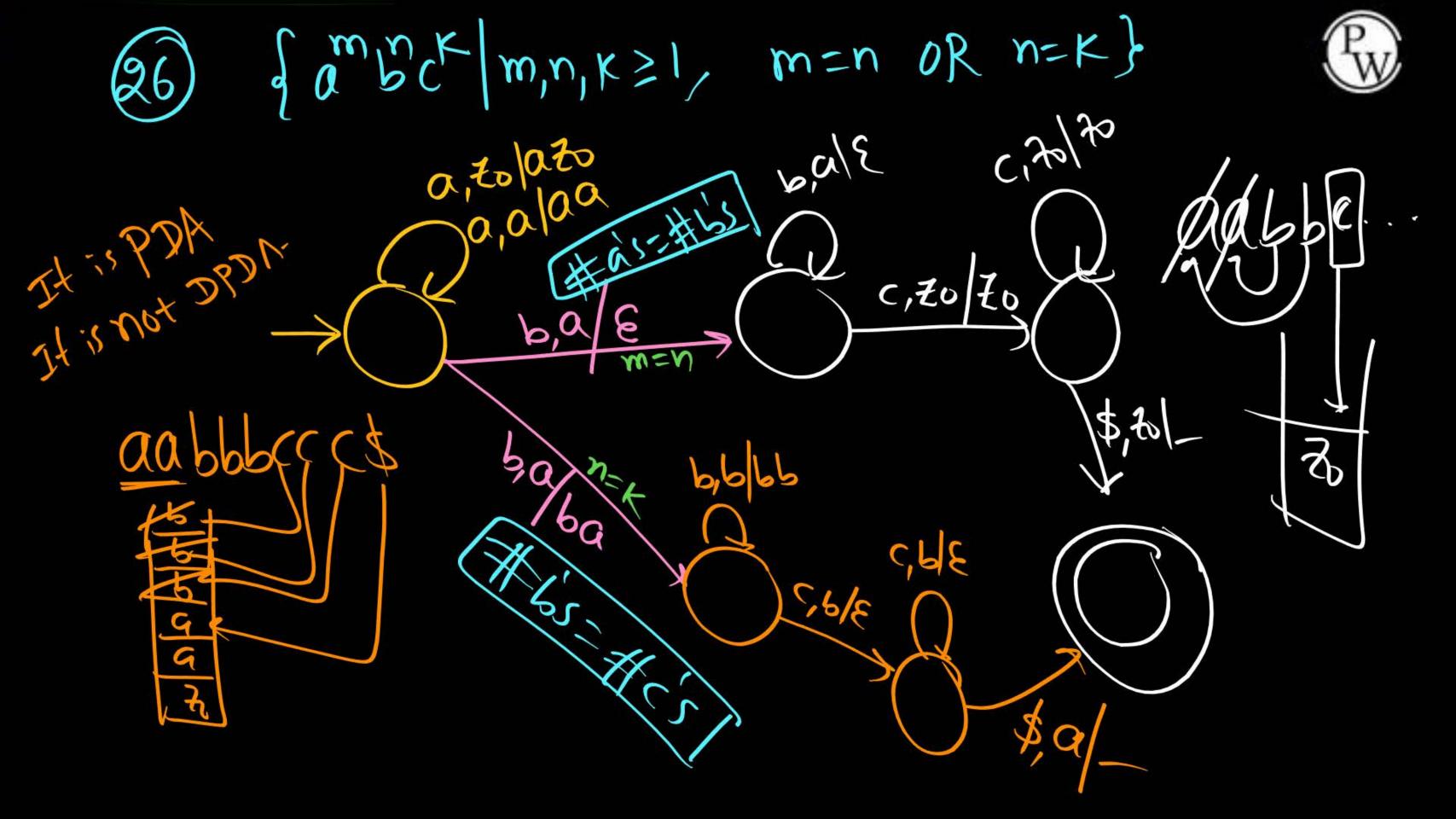


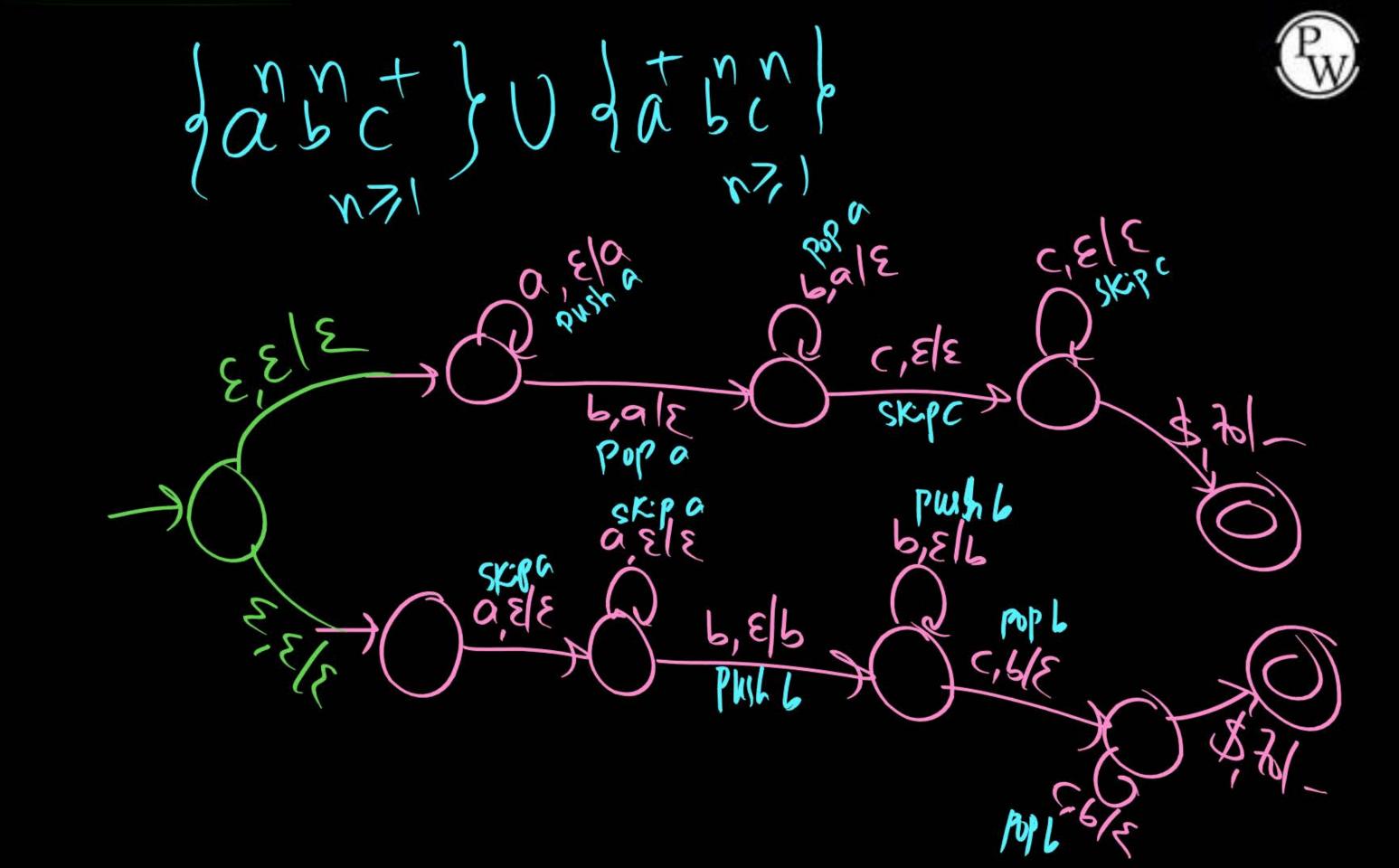
A) DCFLS

() Some are not DCFLS

D) Some are not CFls

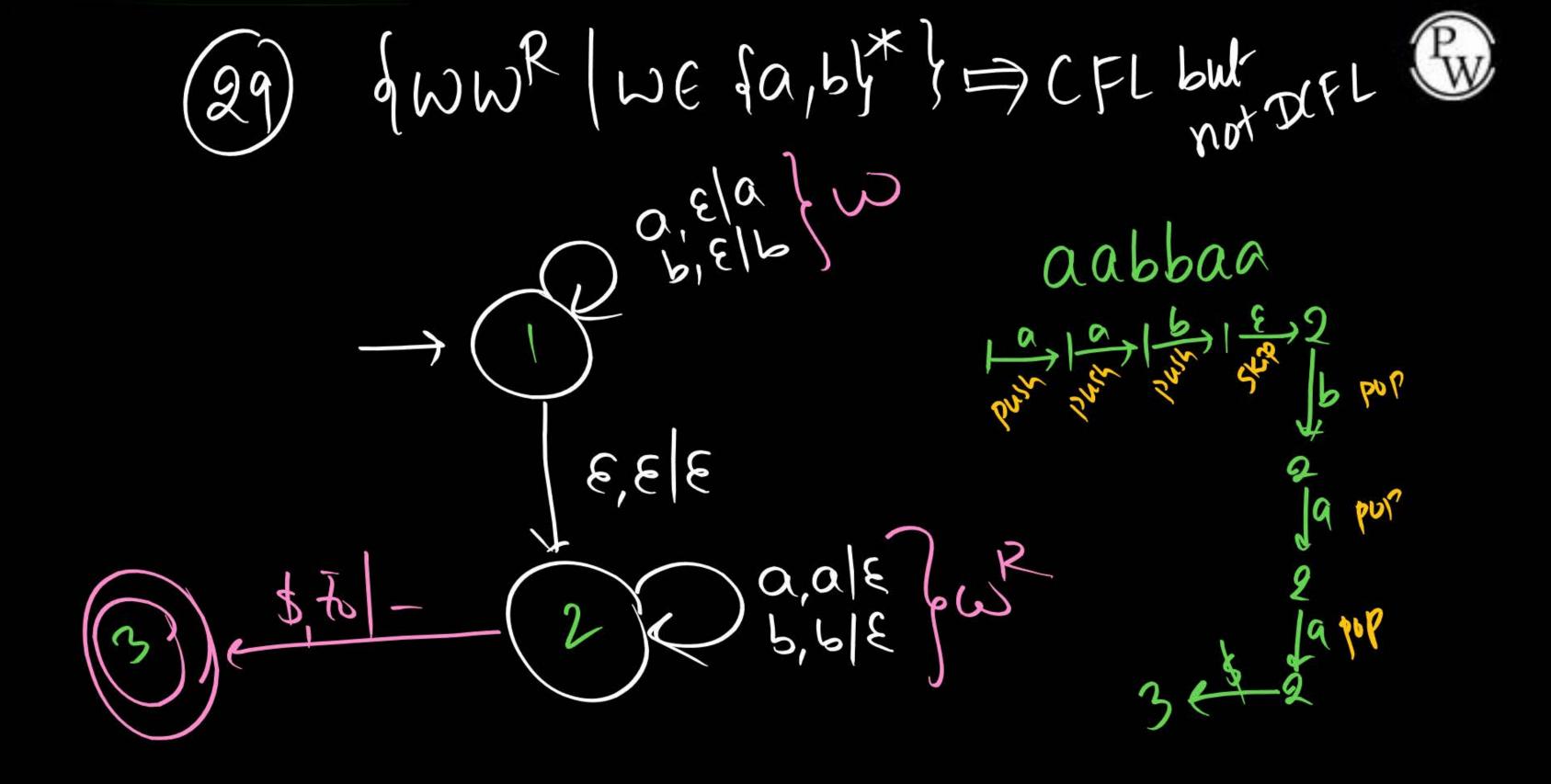
m=n or n=k  $m,n,k \geq 1$ 井らい井でら Popas ten skipc's PMF LOU DEEr push Puss staten pop push agaa

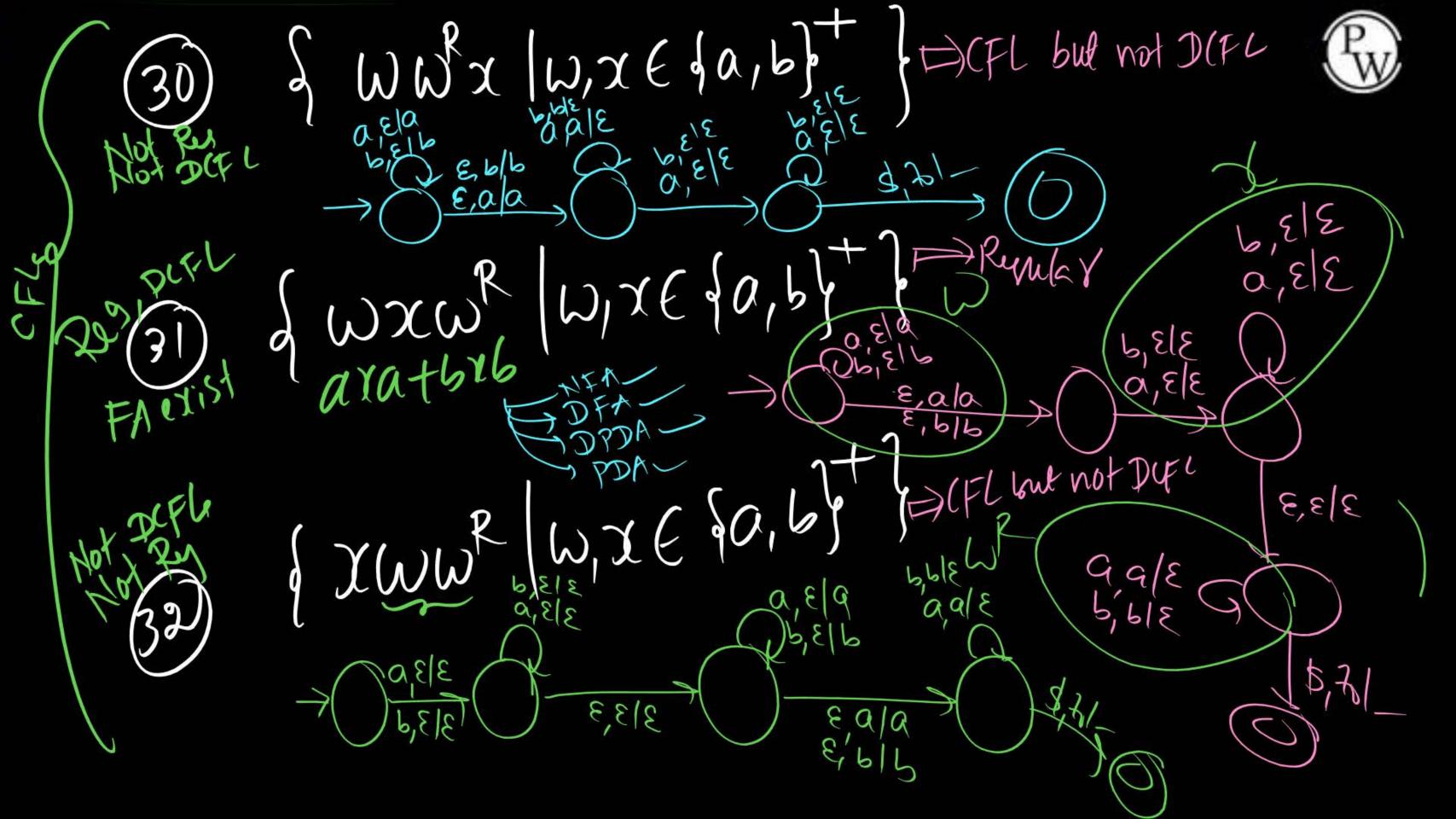




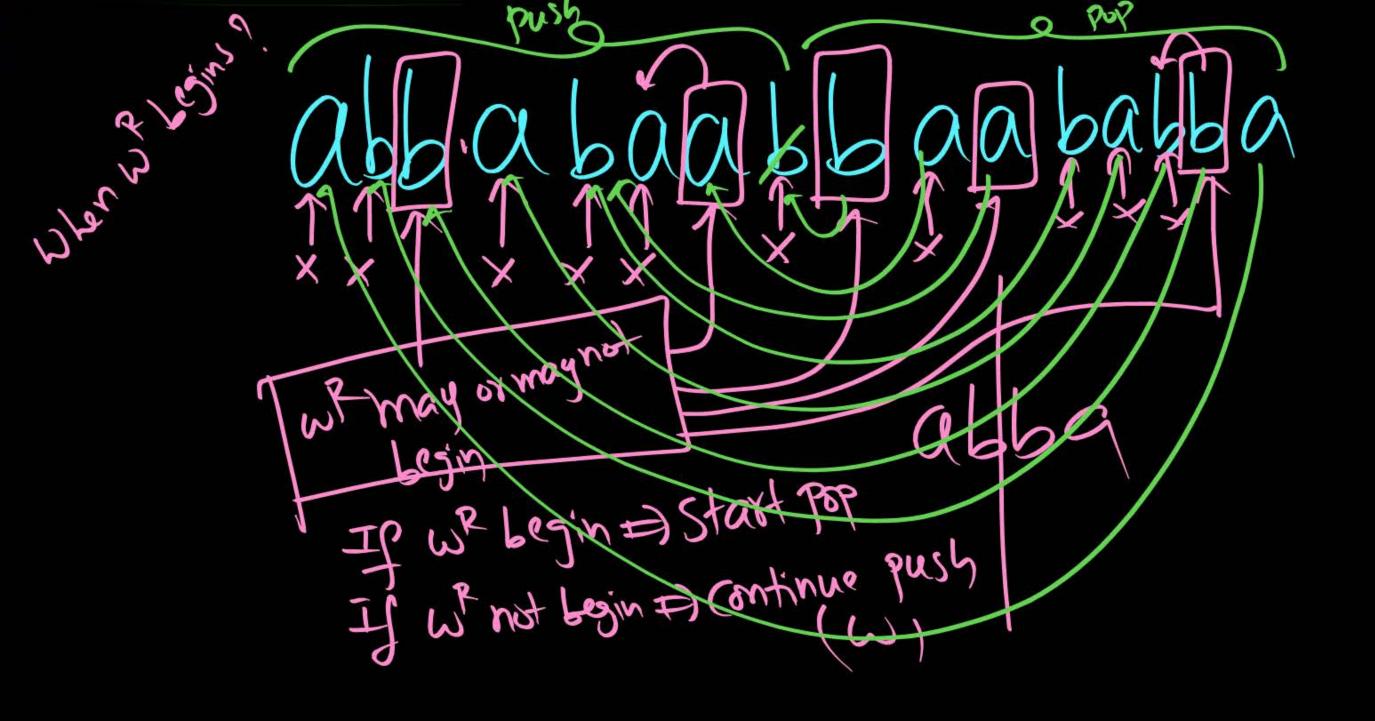
OR m=K M'u'ka's=c's 015=65 SK965 aston Sikon Every SHOW SHOW N31 m'n'k #6'5=#6'5 #a's=#c's Push as

 $\{ ww^{R} | w \in \{a,b\}^{*} \} = \{ \epsilon, aa, bb, aaaa, abba, ... \}$ When Will W begin? Ly Don't know If we begins, what logic? Present if= tos PIPE afficient 1 park Ital halb/p

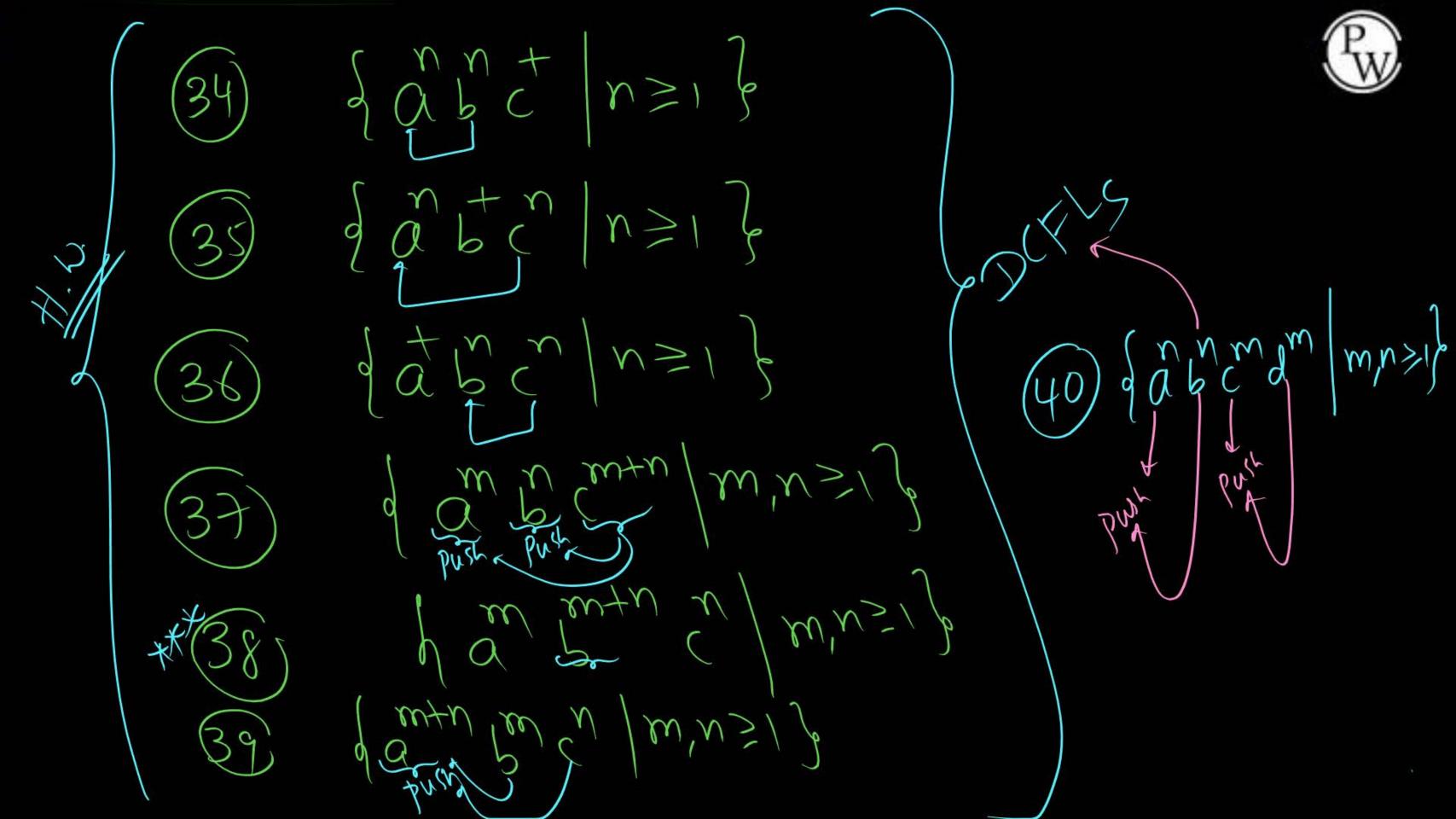




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Summary

LyDPDA Vs PDA

CFLs & D(Fls

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