CS-303 - Tut-6

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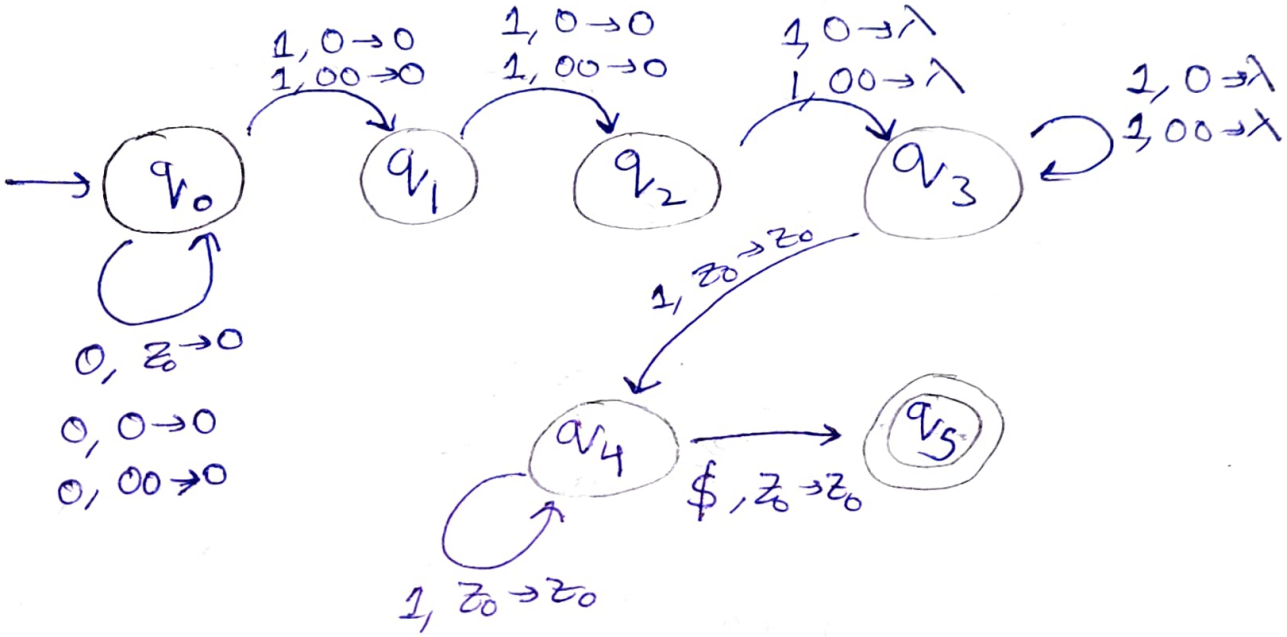
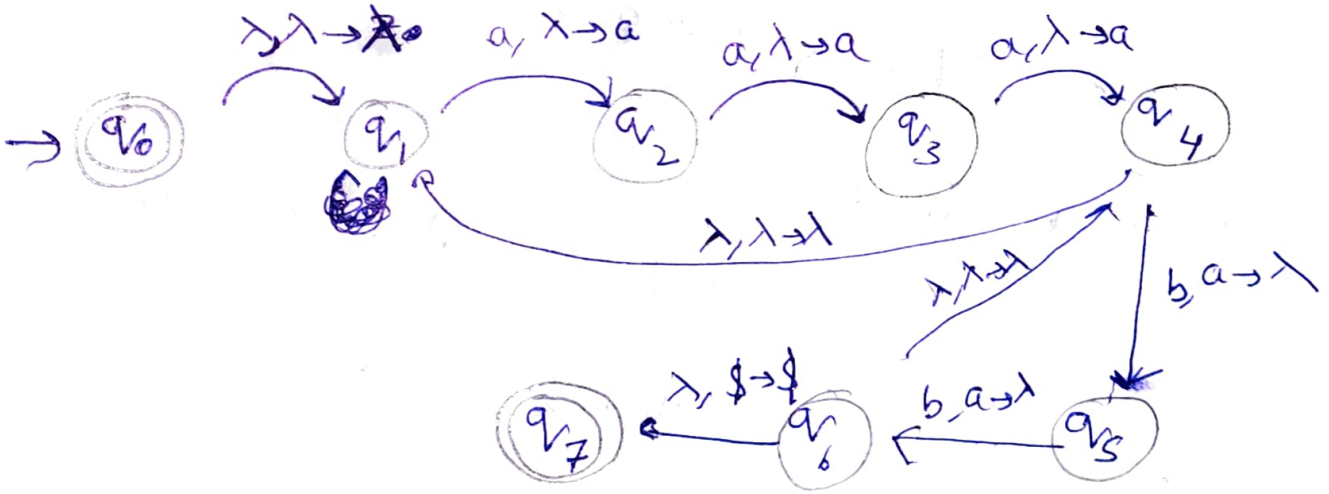
1) Given, $L = [0^n 1^m \mid n >= 1, m >= 1, m > n+2]$

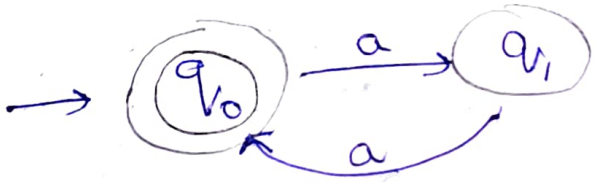


2) Required PDA for $L = \{ a^{3n} b^{2n} : n = 0, 1, 2, \ldots \}$



3) Given, $L = \{a^{2n} : n \geq 0\}$

Now, we can observe that this language is a regular language as there is a ~~Regular~~ DFA associated.



Also Grammar is G: $S \to aaA \mid \lambda$

$A \to aaA \mid \lambda$

and this is a right linear grammar and Therefore regular.

∴ (i) is True

(ii) is false as we proved it is regular

(iii) is false as all regular Languages are context free