

Day / Date

Name: Kulsoom Khurshid

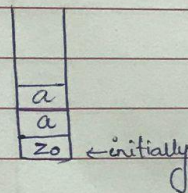
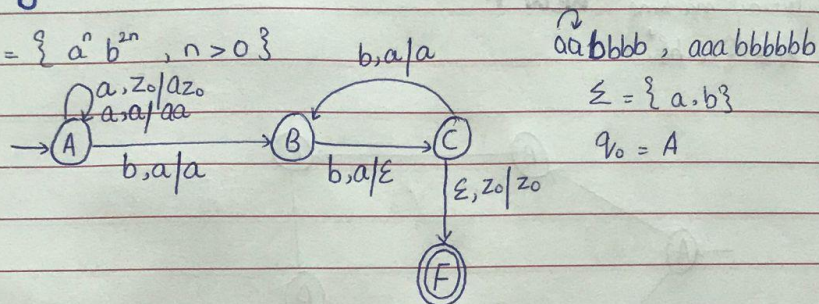
Reg #: SP20-BCS-044

Design PDA for the following languages if they are irregular

1)

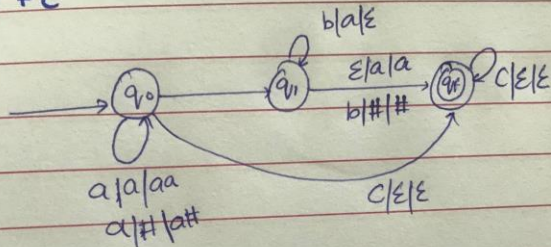
$a^n b^{2n}$

$L = \{ a^n b^{2n}, n > 0 \}$



A	a, z ₀	\xrightarrow{A}	az ₀
A	a, a	\xrightarrow{A}	aa
A	b, a	\longrightarrow	B, a
B	b, a	\longrightarrow	C, ε
C	b, a	\longrightarrow	B, a
C	ε, z ₀	\longrightarrow	F, z ₀

2) $a^m b^n + c^m$



Question #2

WcW^r

