Pushdown Automata 1) Give a PDA for the language L1= fambbam | n) ob

Solution:

a, n) > a

a, n) > a

qo b, n > n) que d, to \$

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que d, to \$ 2) Give a PDA for the language L2= {03n -> 901->0 -> 901->0 -> 901->0 -> 901->0 -> 901->0 3) Give a PM for the language  $L_3 = \{w|w=u \#v\}$   $u, v \in \{a, b\}^+$  and  $|u|=|v|\}$   $q_1 \to \infty$   $q_2 \to \infty$ (q0)#, 2-2 (q1) 2, 4->4 (q2)

F.,