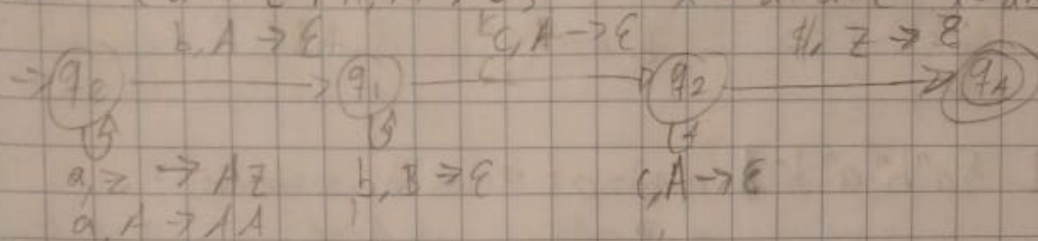


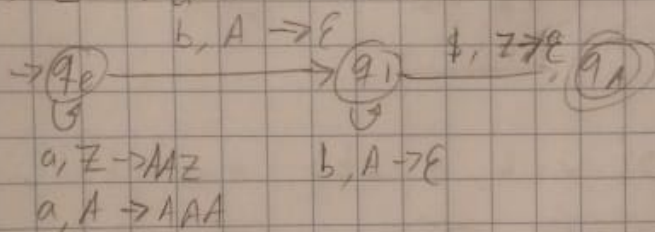
## Tarea 21

1: Construye los DPD para aceptar a cada uno de los siguientes lenguajes:

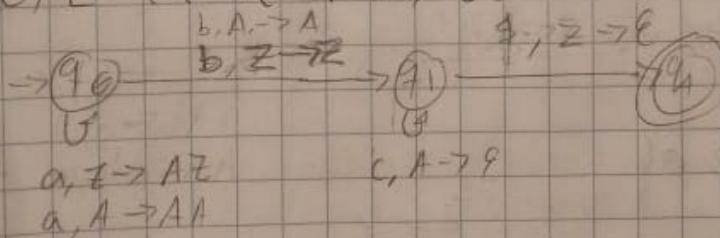
a)  $L = \{a^n b^m c^n \mid n, m > 0\}$        $x = a^1 b^1 c^1, x = a^2 b^2 c^2$



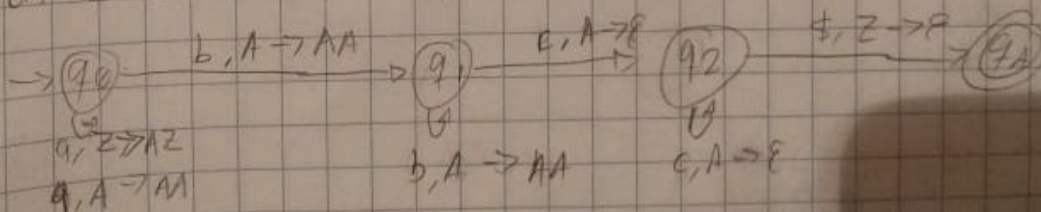
b)  $L = \{a^n b^{2n} \mid n > 0\}$



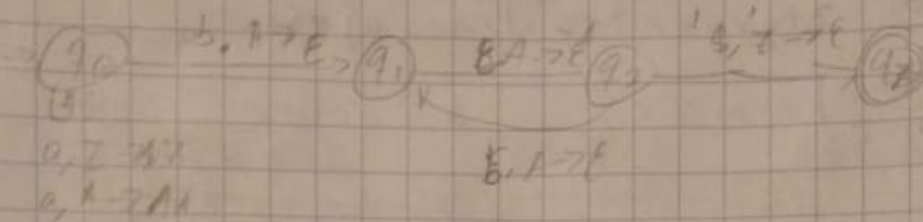
c)  $L = \{a^n b c^n \mid n \geq 0\}$        $x = b, x = a b c, x = a a b c c c$



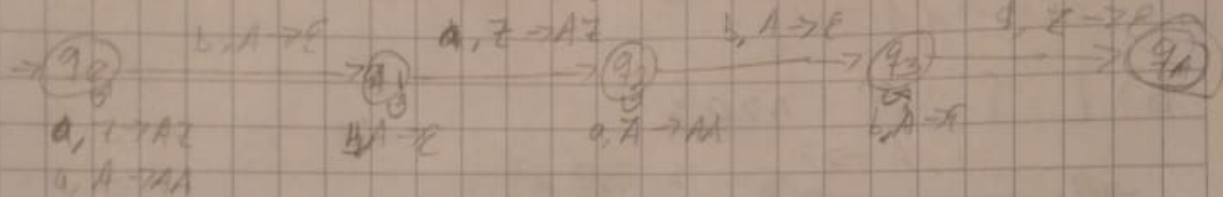
d)  $L = \{a^n b^m c^{nm} \mid n, m > 0\}$        $x = a b c c, x = a b b c c c, x = a b b c c c c c$



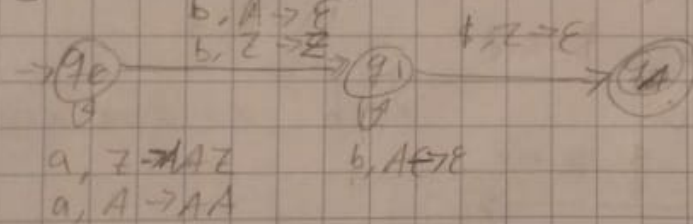
e)  $L = \{0^{2n}1^n \mid n \geq 0\}$



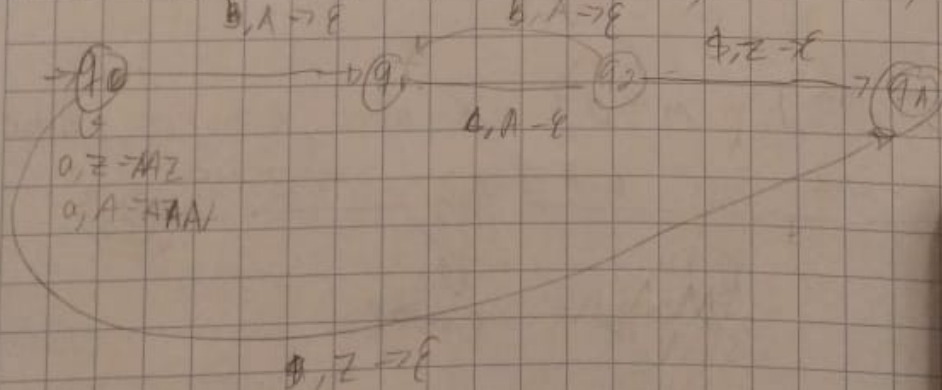
f)  $L = \{a^n b^m a^n \mid n, m \geq 0\}$   $x = abab, y = ababab$



g)  $L = \{a^n b^{n+1} \mid n \geq 0\}$   $x = b, y = abbb, z = aabbb$



h)  $L = \{a^n (bc)^n \mid n \geq 0\}$   $x = \epsilon, y = abc, z = aabcbcb$



i)  $L = \{ a^n b^m a^n \mid n \geq 0, m \geq 0 \}$

