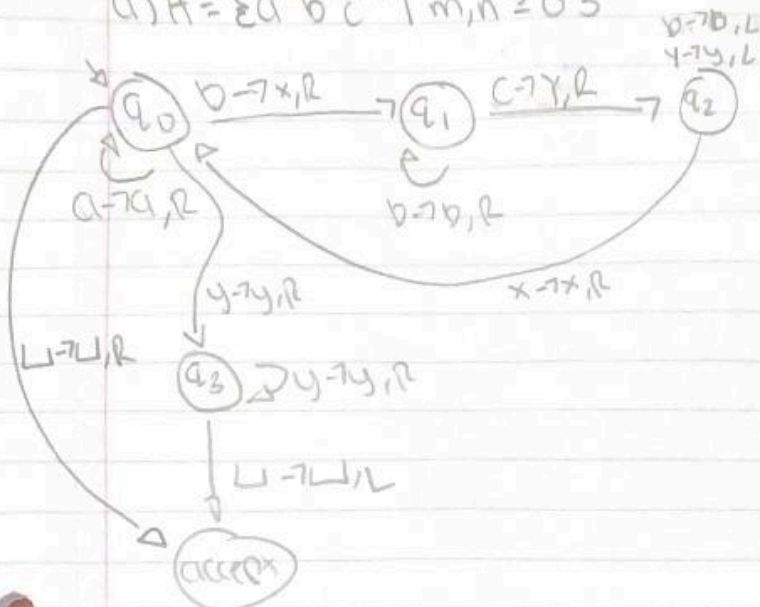
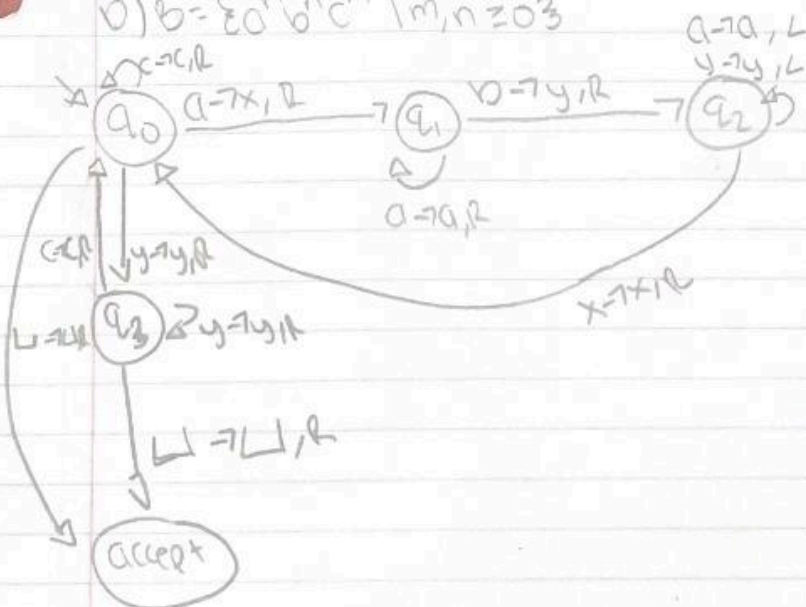


Turing Machine HW

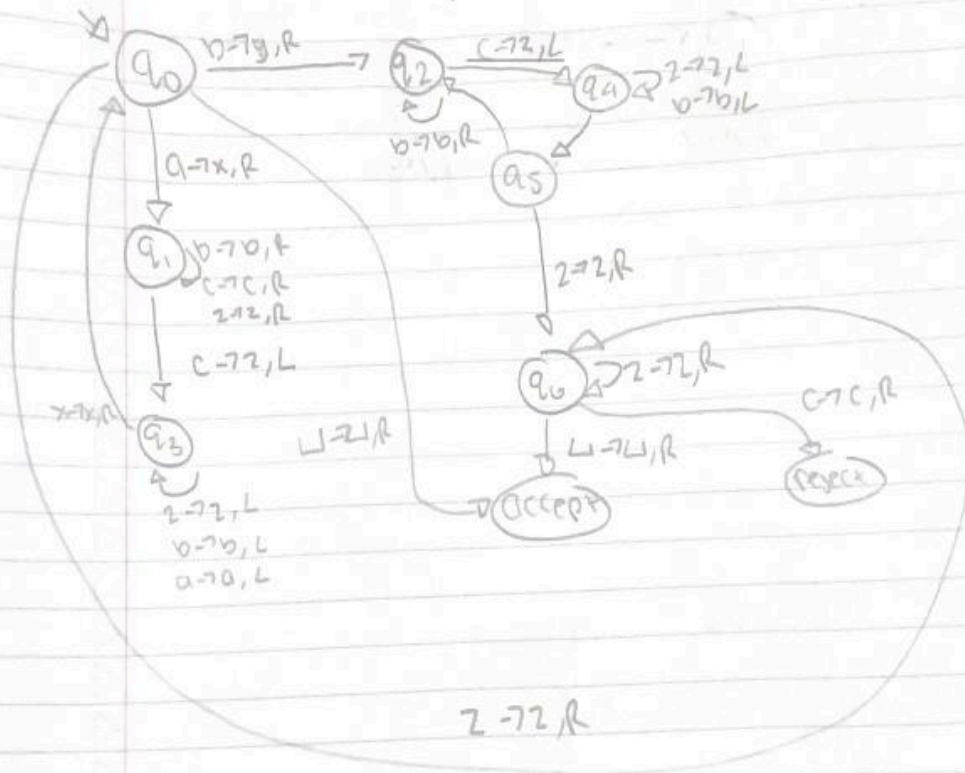
a) $A = \{a^m b^n c^n \mid m, n \geq 0\}$



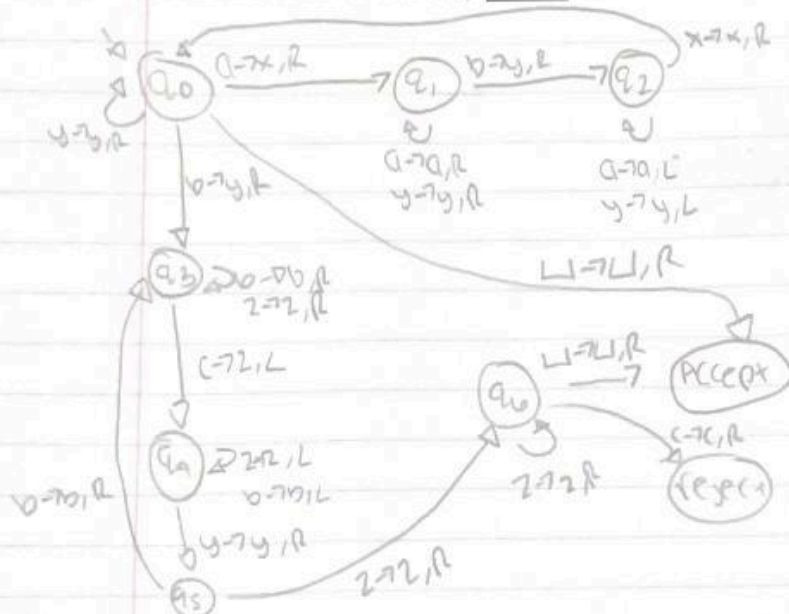
b) $B = \{a^n b^n c^m \mid m, n \geq 0\}$



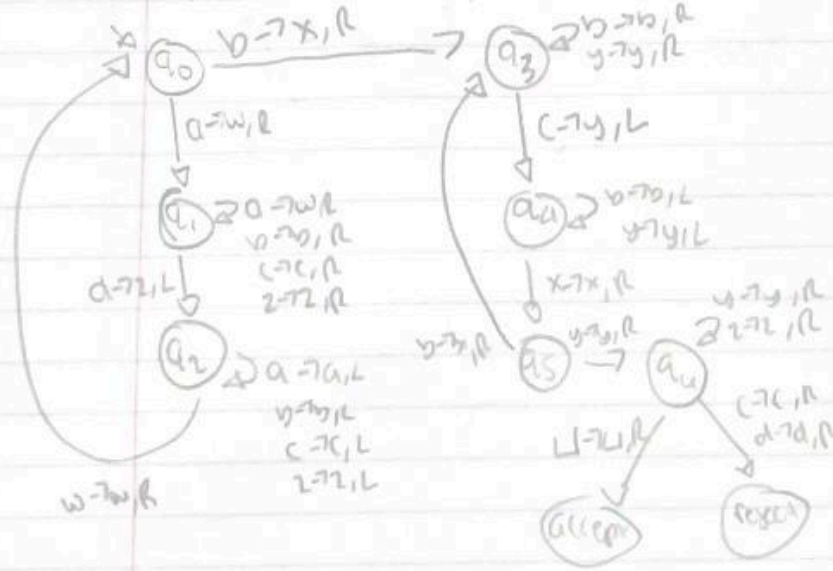
c) $C = \{0^k 1^k \mid k \geq 0 \text{ and } |x| = k^3\}$



$$d) D = \{a^i b^j c^k \mid i, j, k \geq 0 \text{ and } i+k = j+3\}$$



$$e) E = \{a^m b^n c^m d^n \mid m, n \geq 1\}$$



G) $G = \{w \mid \text{all strings } w, "aaa" \}$

