1. DRAW A GRAPHICAL REPRESENTATION OF A TURING MACHINE THAT ACCEPTS THE LANGUAGE $\{a^n b^n c^n \mid n \geq 1\}$

$$L = \{a^n b^n c^n \mid n \geq 1\}$$
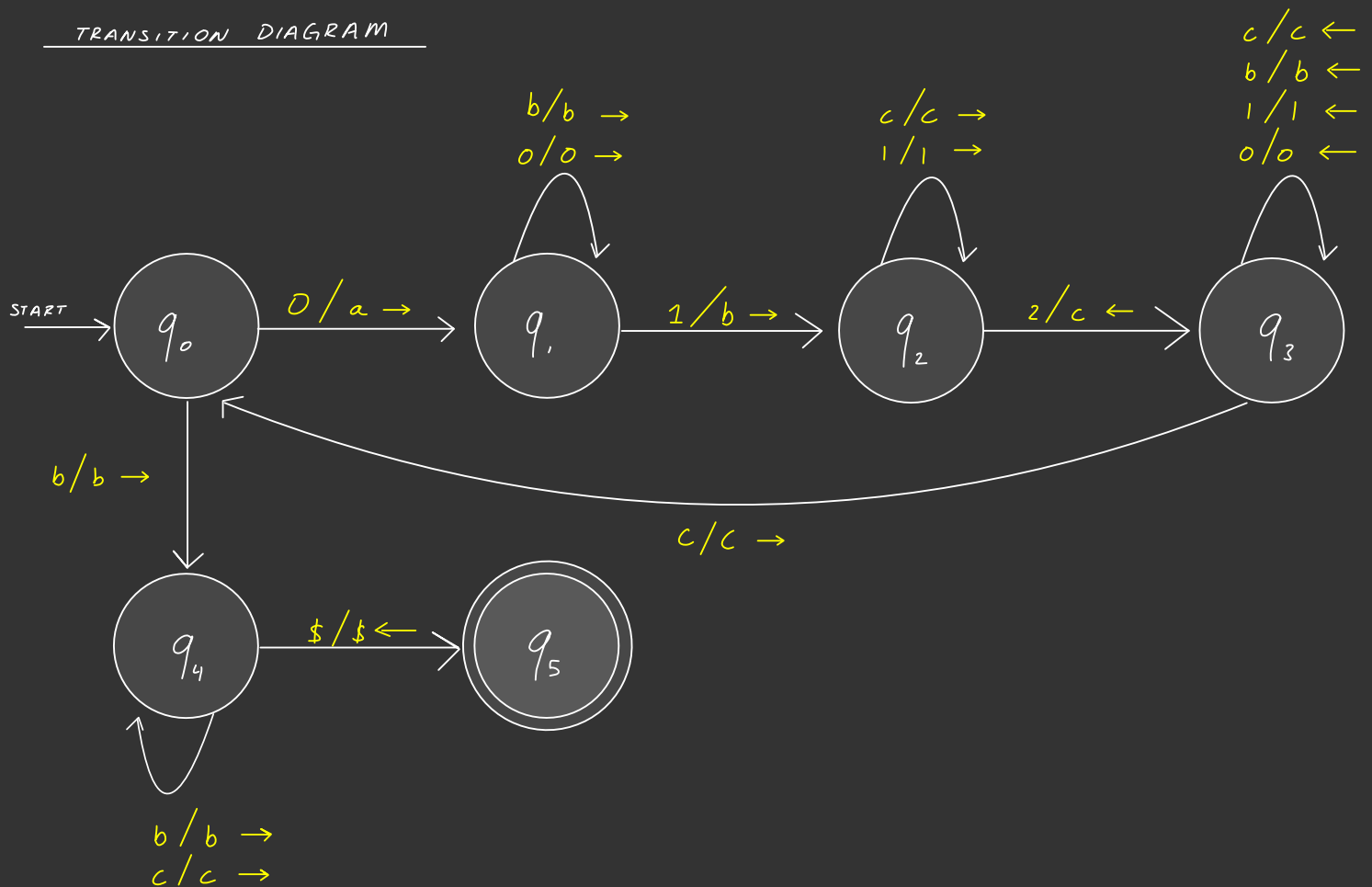
L REPRESENTS A KIND OF LANGUAGE WHERE WE USE ONLY 3 CHARS a, b, c

PROPERTIES OF L

THE BEGINNING OF THE LANGUAGE HAS SOME NUMBER OF as FOLLOWED BY AN EQUAL NUMBER OF bs, FOLLOWED BY AN EQUAL NUMBER OF cs, ALL OF WHICH HAVE TO HAVE AT LEAST ONE OR MORE INSTANCES.
$\forall STR$ WITHIN THAT CRITERION CAN BE ACCEPTED BY THIS LANGUAGED

TRANSITION DIAGRAM

TM THAT ACCEPTS THE STR IN THE FORM $a^n b^n c^n$