

CS 278 HW 12

10.1.1 b) Licence plate starts with a digit.

$$9 \times 35^6$$

d) First 3 are letters & last 4 are numbers

$$26^3 \times 9^4$$

10.1.2 c) String of 7, 8, or 9 characters can be letters, numbers, or special characters, first character can't be a letter

$$30 \times 40^6 + 30 \times 40^7 + 30 \times 40^8$$

10.1.3 b) 3×10^4

c) $3^2 \times 10^3$

10.1.4 c) 4^5