

# of all valid passwords - # of passwords containing 0 lower case letter  
- # of passwords containing 1 lower case letter

$$\# \text{ of all valid passwords} = 36^6$$

$$\# \text{ of passwords containing 0 lower case letter} = 10^6$$

$$\# \text{ of passwords containing 1 lower case letter} = 6 \times 10^5 \times 36$$

$$\text{Answer} = 36^6 - 10^6 - 6 \times 10^5 \times 36 = 2,154,182,336.$$