

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

# of all valid passwords =  $36^6$

6 x

# of passwords containing 0 lower case letter =  $10^6$

# of passwords containing 1 lower case letter =  $6 \times 10^5 \times 26$ .

Answer =  $36^6 - 10^6 - 6 \times 10^5 \times 26 = 292,315,776$