

```

In[1]:= passwords = ReadList["F:\\prog\\aoc2020\\02input.txt"];

In[2]:= validator[l_] := (
    lowerBound = 1[[1]];
    upperBound = -1[[2, 1]];
    character = ToString@1[[2, 2, 1]];
    password = ToString@1[[2, 2, 2]];
    Return[lowerBound ≤ StringCount[password, character] ≤ upperBound]
)

In[3]:= Total@ (Boole /@ validator /@ passwords)

Out[3]= 643

In[4]:= newValidator[l_] := (
    lower = 1[[1]];
    upper = -1[[2, 1]];
    character = ToString@1[[2, 2, 1]];
    password = ToString@1[[2, 2, 2]];
    Return@Xor[StringTake[password, {lower}] == character,
        StringTake[password, {upper}] == character]
)

In[5]:= Total@ (Boole /@ newValidator /@ passwords)

Out[5]= 388

```