## Calculating Password Strength

No. of passwords

http://asecuritysite.com
Author: Prof Bill Buchanan

## Character set

## Number of characters

freddy
Fr3d\%yI970

Password strength

## Bruce force speed

Avoidance of dictionary attacks

| [a-z] | 26 characters | 11,881,376 |
| :---: | :---: | :---: |
| [a-ZA-z] | 52 characters | 380,204,032 |
| [a-ZA-z0-9] | 62 characters | 916,132,832 |
| $\begin{gathered} {[a-Z A-z 0-} \\ \left.9!@: \$ \% \wedge \&^{*}()+-\right] \end{gathered}$ | 74 characters | 2,219,006,624 |
| fredy | fr3dY | d! |

5-character password
aaaaa
aaaab


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