[8.4] Count occurences of a character in a string

If you need to count how many times a particular character occurs in a string, use this:

```
\begin{array}{c} \text{charcnt}(\texttt{st},\texttt{ch}) \\ \text{Func} \\ & @(\texttt{string},\texttt{char}) \text{ count } \#\texttt{char in string} \\ & \Sigma(\texttt{when}(\texttt{mid}(\texttt{st},\texttt{i},\texttt{1}) = \texttt{ch},\texttt{1},\texttt{0}),\texttt{i},\texttt{1},\texttt{dim}(\texttt{st})) \\ & \texttt{EndFunc} \\ \\ \textit{st} \text{ is the string, and } \textit{ch} \text{ is the character to count. For example,} \\ & \texttt{charcnt}(\texttt{"abcdddef"},\texttt{"d"}) \\ \end{array}
```

(Credit to Mike Grass)