EE214: ASCII codes, and design issues

March 20, 2019

ASCII codes

- 8-bit code for characters (see http://www.asciitable.com/).
- a-z mapped to 0x61 (decimal 97) to 0x7a (decimal 122).
- space mapped to 0x20 (decimal 32).

Design notes

Your circuit will have an 8-bit input which accepts ASCII coded characters.

Design hints: simplify

\item Since you are looking for "bomb", "gun", "knife", "te
only characters you are interested in are 'b', 'o', 'm', 'g
'k', 'i', 'f' , 'e', 't', 'r', and none-of-the-above.
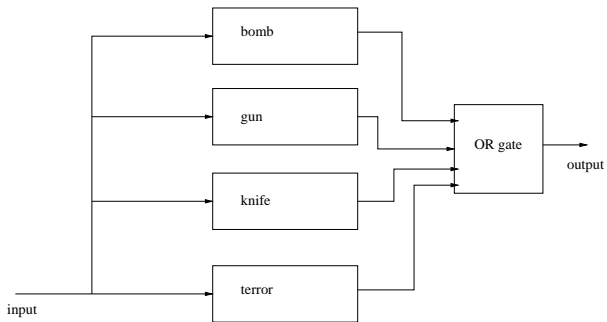\item Use symbols to represent these possible cases you are

Design hints: simplify

Figure: Parallel Form