Logic Tutorial 1 Solutions

 $A \lor B \lor C$

```
a.
          t
b.
          t∧r
c.
          r \land \neg h
d.
          \neg r \land \neg h
          \neg (r \land h)
e.
f.
          r\rightarrow h
                                     h←r
                          or
          r\rightarrow h
                                     h←r
g.
                          or
h.
          h\rightarrow r
                                     \neg(h \land \neg r)
                          or
i.
                                     (r\rightarrow h)\land (h\rightarrow r)
          r↔h
                          or
j.
          \neg r \rightarrow \neg h
          In general
          "P unless Q" is often translated to
          "P if notQ", i.e.
          \neg Q \rightarrow P or
          P \leftarrow \neg Q.
           ssignment Project Exam Help
1.
          b \lor w
          \neg (b \land w)
          b\w https://powcoder.com
          1 \land d \land \neg c \rightarrow fa \land cr
          Alternatived the lawwescottened tarpowarsoder
           1 \land d \rightarrow (c \rightarrow f \lor p) \land (\neg c \rightarrow f a \land cr)
 m.
     A \land \neg B \rightarrow C
     B \rightarrow C
     C \rightarrow \neg (B \rightarrow A)
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