Boolean Expression Practice

L245

Fall 2013

[Question #3 from p. 121 of the book]

Imagine that there are 11 books in a library with the following subject fields:

1) rock paper  7) rock paper scissors
2) rock scissors  8) rock paper bomb
3) rock bomb  9) rock scissors bomb
4) paper scissors 10) paper scissors bomb
5) paper bomb 11) rock paper scissors bomb
6) scissors bomb

Looking at the list of queries below, which of the subject numbers do they match? For example, rock AND bomb matches 3, 8, 9, and 11.

a) rock OR paper OR scissors

b) rock AND (paper OR scissors)

c) (rock AND paper) OR (scissors AND bomb)

d) (rock OR paper) AND (scissors OR bomb)

e) rock AND (paper OR (scissors AND bomb))

f) ((rock AND paper) OR scissors) AND bomb