

Searching Activity

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Boolean Searching

The following is a list of “webpages”:

- | | |
|-------------------|------------------------------|
| 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 | |

Which of the webpage numbers do the following queries match?

e.g. “rock AND bomb” matches 3, 8, 9, and 11.

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

Regular Expressions

1. What do the following regular expressions match?

(a) /m(a|e|i|o|u)d/

(b) /m(a|e|i|o|u)d?/

(c) $/m(a|e|i|o|u)?d/$

(d) $/qwer*ty/$

(e) $/qw(er)*ty/$

(f) $/qw(er)+ty/$

(g) $/qwer.ty/$

(h) $/qwer.*ty/$

(i) $/qwe(r.)*ty/$

2. Write regular expressions which match the following lists of strings:

(a) cabin, kabin

(b) cabin, kabin, cabins, kabins

(c) cabin, kabin, cababin, kababin, cabababin, kabababin, ...

(d) a, as, asd, asf, asdf, ad, adf, af