Opdrachten week 1
Carlijn Assen

Opdracht 1.1
inverted index

forecasts --> 1
home --> 1 2 3 4
in --> 2 3
increase --> 3
july --> 2 3 4
new --> 1 4
rise --> 2 4
sales --> 1 2 3 4
top --> 1

opdracht 1.2
A. term-document incidence matrix

	Doc1	Doc2	Doc3	Doc4
approach:	0	0	1	0
breakthrough :	1	0	0	0
drug:	1	1	0	0
for:	1	0	1	1
hopes:	0	0	0	1
new:	0	1	1	0
of:	0	0	1	0
patients:	0	0	0	1
schizophrenia:	1	1	1	1
treatment:	0	0	1	0

B. Inverted index representation

approach --> 3
breakthrough --> 1
drug --> 1 2
for--> 1 3 4
hopes --> 4
new --> 2 3
of --> 3
patients --> 4
schizophrenia --> 1 2 3 4
treatment --> 3

Opdracht 1.3
A.
1111 and 1100 = 1100

Doc1, Doc2
B.
1011 and (0011 or 1101) = 1011
Doc1, Doc3, Doc4

opdracht 1.4
A.
Yes 110100 and 001000 = 000000
B.
Yes 110100 or 001000 = 111100

Opdracht 1.7
Tangerine + trees = 363465
Marmelade + skies = 379571
Kaleidoscope + eyes = 300321

In increasing order =
(kaleidoscope or eyes) AND (tangerine or trees) AND (marmalade or skies)

Opdracht 1.13

No they do not make sense in the term of boolean logic, they dont react to
the boolean operators and simply look for the words you type.