Faculty of Computers and Artificial intelligence
Department of Information Systems
Software engineering program
First Semester 2020

Sheet1

Question1: consider the following documents

D1 : " computer information retrieval"
D2 : "computer retrieval"
D3 : "information retrieval"
D4 : "computer information"
D5 : "information System"

A - Draw term incidence matrix
B – What are the returned results for the following query
  B.1- "information AND retrieval"
  B.2 – "information AND NOT computer"

Question2:

What are the returned results for the following queries?

 (Information **AND** storage) **OR** ((**NOT** storage**) AND (**retrieval **OR** data**))

	Information	Retrieval	Storage	Data
D1	**0**	**0**	**0**	**0**
D2	**1**	**0**	**0**	**1**
D3	**0**	**0**	**1**	**0**
D4	**0**	**0**	**1**	**1**
D5	**1**	**1**	**0**	**0**
D6	**0**	**0**	**1**	**1**
D7	**1**	**0**	**1**	**0**
D8	**0**	**1**	**1**	**1**

Question 3: Consider these documents:

Doc 1 new home sales top forecasts

Doc 2 home sales rise in july

Doc 3 increase in home sales in july

Doc 4 july new home sales rise

a. Draw the term-document incidence matrix for this document collection.

Question 4: Consider these documents:

Doc 1 breakthrough drug for schizophrenia

Doc 2 new schizophrenia drug

Doc 3 new approach for treatment of schizophrenia

Doc 4 new hopes for schizophrenia patients

a. Draw the term-document incidence matrix for this document collection.