Boolean Refrieval.

- The query is expressed as a Bostean expression

- terms are the operators

- standard Boolean operators

AND, OR, NOT.

Corpus: collection of plays written by Shakespeare.

Document: au individual play.

Grand Guery: Brolean expression baring forms connected by logical peratro.

- Which plays of Shahespeare contain words

Burntus AND Caesar but NOT Calputia

Design of Information

Refrieval Systems.

Components/Asins related to the design of R

Systems Documents (doc/d)

- Corpus (collection of Loruments) User has information need 4) query string - "Term" - basic unit of information - Kelevance untervora norld algorithmic. Know world

Jocuments guny.

Brute force: grep Boulis 2 Caesar result - all lines that Lours have Calpurnia. enges:

text volume is too large. Challenges: Brutus AND Caesar/1 NOT calpunia. One him confirmation more askamstine "near"
Near Roman / Romans
men countrymen

1	erm-a	incidence				
N	natrix	1 %	TTem	Ham	4/14	No Mac
Antony -	ASC	1	0	0	0	
Brilis	1	1	0	1	0	0
Caesar	1	1	0	1	1	1
Calpurnia	0	1	0	0	0	0
Chapatra	1	0	0	0	0	0
Morcy	1	0	1	1	1	1
KARO	T	0	1	1	1	0

1600 X IN = 18. (monted) Index. For each term t we store a list. ments that contain the fixed bige? Variable 8ige list. posting list

N= 1M docs.

Each mord -> 6 hylis. (on and) Ly ~ 6 GB.

Three are M = 500K unique terms across all the docs.

500 KXIM ~ 1 to William. Howway 15 -> 16 Min