Vector Space Model

d1: Uses selected wedding gown

d2: User ordered online sose flowers

d3: Uses searched diamond ring

d4: User selected white wedding gown, online flowers, 3 carat diamond eing

-> Vocabulary: { user, selected, wedding, gown, ordered, online, sore, flowers, reasched, diamond ring, white, 3, carat 3

Term frequency: no of times a word appears in a doc
no of words in the document

Inverse document frequency 2 log (no. of documents
(idt)

(idt)

(idt)

(idt)

	1 0 1				
Words	ál	d2	d3	d4	idf
we	1/4	1/5	1/4	1/11	log 2 4/4 = 0
selected	1/4	6	0	1/11	log 24/2=1
wedding	1/4	0	0	1/11	tog 24/2=1
gown	1/4	0	0	1/11	log 24/2 =1
ordered	0	1/5	0	0	log 24/1=2
online	0	1/5	0	1/11	log 24/2=1
tose	0	1/5	0	b	by24/1=2
flowers	0	1/5	-0	411	log 24/2 = 21
searched	0	O	1/4	ь	log 24/1 = 2V
diamond	0	0	1/4	Vic	log 24/221.
ring	0	0	1/4	1/11	
white	0	0	0		log 2 4/2=1
3	0	0	0	1/11	log_4/1=2
carat	0	0	0	Yu Yu	log 24/1=2
				111	log 24/1 = 2

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