Mame: Anos Khalid Choup: G4 Roll No: SPZC- BCS-102 Assignment: IDS

0 11

## Bog of words :-

Senlences	Sunshine	1 state							
S1	The second second	side	enjoy	brown	fox 1	jump ]	high 1	TON	fast
0-	24	1	1	0	0	o	0	0	0
52	٥	0	0	2	2	.1	1	1	0
S3	1	1	0		1	0	0	1	1
			•	,				)	_

## TF:

Sentences	Sunshine	State	lenian	4					
<b>S1</b>	1/2	2/4	1/4	o	fox	jump	pigh of	ron 1	fast
S2	0	0	٥	34	军	1/4	4	4	6
S3	1/5	3/5	٥	brown o	ν.	0	0	1,	
				L	5			5	4

## Idfz-

Sunshine	0.176					
State	0.176					
enjoy	0.477					
brown	0.477					
for	0.176					
jump	6,477					
high	0477					
run	0.176					
fast	6.437					

## TF-Idf:

Sentences	Sunshine "	state	lenjoy ·	nword	Fox 1	jump	high 1	ion	ast
Sı	@.088	0.044	0.1192	0	0	0	0	6	0
Sentences S1 S2	0	0	a	0.1362	0.050	0.068	0.05	0.025	٥
\$3	0.0352	0.0353	0	0	6.033	0	0	0.637	0.954

Cosine Similarity

S1. [ 2, 1, 1, 0,0,0)

53 - [ 1, 1, 0, 1,1,1]

Cosine similarly - SI-S3

1511531

51.53 = 2x1 + 1x1 + 1x0 + 0x1+0x1 +0x1 = 3

1511 = [2x2 + 1x1 + 1x1 + 0x0 + 0x0 + 0x0 -

= 14+1+1 = 10+2= 11=

(53) = 1 x1 + 1 x1 + 6x6+ 1x1 + 1x1+1x1 = 15

Consine similarity (15) (15)

Grene Sinitarije (12-236)