

BAHRIA UNIVERSITY (KARACHI CAMPUS)

Department of Software Engineering.
Assignment 03 (Spring 2023)

Course Title: Discrete Structures

Class: BSE 2B

Course Instructor: Faiz UL Haque Zia

Submission: 06 June 2023

Course Code: CSC-115

Shift: Morning Time: 6 Days

Max Marks: 05 Points

Assignment No 03

Submitted By:

Name: _	Abdullah		
Registrat	tion Number: _	81962	
Section:	2	В	

Solution:

for 1st Gleration

$$PR(A) = 1 - d + d \left(PR(D) \right)$$
 $= 1 - 0.85 + 0.85 \left(1 \right)$
 $PR(B) = 1 - d + d \left(PR(B) \right)$
 $PR(B) = 1 - 0.85 + 0.85 \left(\frac{1}{2} \right)$
 $PR(B) = 0.575$
 $PR(C) = 1 - d + d \left(PR(B) \right)$
 $PR(C) = 0.575$
 $PR(C) = 1 - d + d \left(PR(B) \right)$
 $PR(C) = 1 - d + d \left(PR(B) \right)$
 $PR(C) = 1 - d + d \left(PR(B) \right)$
 $PR(C) = 1 - d + d \left(PR(C) \right)$
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$$PR(E) = 1 - 0.85 + 0.85 \left(\frac{1}{1} \right)$$

$$PR(E) = 1$$

$$PR(B) = 1 - 0.85 + 0.85 \left(\frac{1}{1} \right)$$

$$PR(B) = 1.722$$

$$PR(B) = 0.875$$

$$PR(C) = 1 - 0.85 + 0.85 \left(\frac{1}{2} \right)$$

$$PR(C) = 0.394$$

$$PR(D) = 1.669$$

$$PR(E) = 0.638$$

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$$PR(E) = 0.638$$

PR(A) = 1 - 0-85 +0-85 (1.669)

PR(A) = 1.568 %

Producer - Producer Cosine Similirities

Cosine $(V_1, V_2) = 0$ Cosine $(V_1, V_3) = 0$ Cosine $(V_2, V_3) = 0$

Ans.