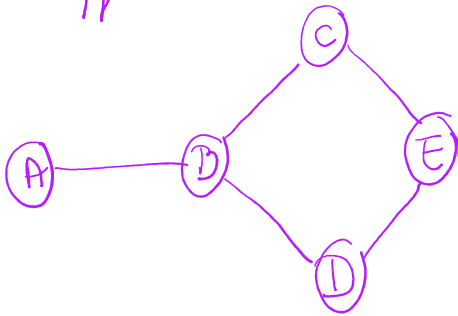


	1	2	3	4	5	6	7	8
1		2	1	1	1	3	1	1
2			3	0	0	2	0	0
3				0	0	1	0	0
4						1	0	0
5						1	0	0
6							1	1
7								1
8								

háromszori sor: ~~2~~ ~~1~~ ~~0~~ ~~1~~ ~~0~~ ~~1~~ ~~0~~ ~~0~~ ~~3~~

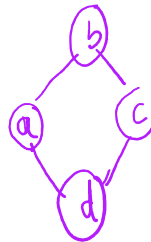
Felszámegysíthető



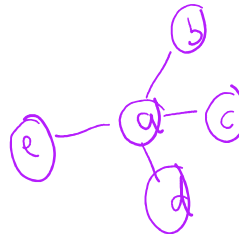
$$C_D(A) = 1 \quad C_D^1(A) = \frac{1}{4} = 0.25$$

Freeman felé egyíthető:

$$C_D = \frac{(3-1) + (3-2) + (3-2) + (3-2) + (3-2)}{4 \cdot 3} = \frac{5}{12}$$

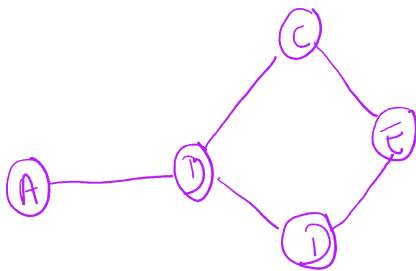


$$C_D = 0$$



$$C_D = 1$$

Közteségi (köztesen) egyíthető:



$$C_D(A) = 0$$

$$C_D(B) = \frac{1}{1} + \frac{1}{1} + \frac{2}{2} + \frac{1}{2} = 3.5$$

AC      AD      AE      CD

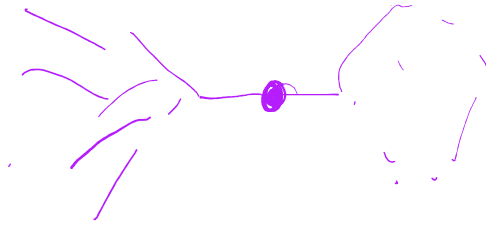
$$C_D^1(B) = \frac{3.5}{\frac{4 \cdot 3}{2}} = \frac{\frac{7}{2}}{\frac{12}{2}} = \frac{7}{12}$$

$$C_D(C) = \frac{1}{2} + \frac{1}{2} = 1$$

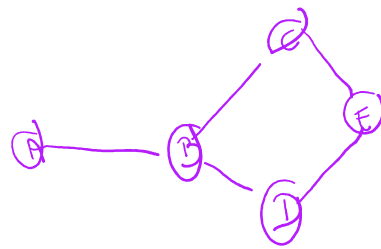
AE      BE

$$C_D(E) = \frac{1}{2}$$

CD



Közelési együttható: (closeness)



$$C_c(A) = \frac{1}{1+2+2+3} = \frac{1}{8}$$

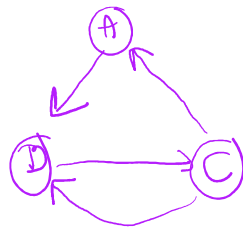
$$C_c(B) = \frac{1}{1+1+1+2} = \frac{1}{5}$$

$$C_c(A) = \frac{5}{8}$$

Page Rank

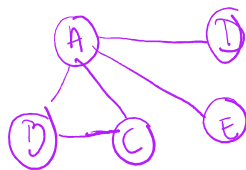
$$d = 0,85$$

$$N=3$$



$$\left\{ \begin{array}{l} PR(A) = \frac{1-d}{N} + d \cdot \frac{PR(C)}{2} \\ PR(C) = \frac{1-d}{N} + d \cdot \frac{PR(B)}{1} \\ PR(B) = \frac{1-d}{N} + d \cdot \left( \frac{PR(A)}{1} + \frac{PR(C)}{2} \right) \end{array} \right.$$

Közelési együttható:



$$CC(A) = \frac{2 \cdot 1}{4 \cdot 3} = \frac{1}{6}$$

$$CC = \frac{3 \cdot 1}{\text{közelségi hányados}}$$

ADC

A: DAC, BAE, BAD, CAE, CAD, EAD

B: ADC

C: ~~BDA~~, ~~CAE~~, ~~CAD~~

$$CC = \frac{3 \cdot 1}{6} = \frac{1}{2}$$