$$WTF = 1|F(T=0, 0, \log(x)) + 1$$

$$n = 22$$

	doc1	doc2	doc3	D.F	IDF
CERTO → P_1	3,52	2,84	2		log(22/8) = 0,74
Errado → P_2	1,60	2,84	4,69		log(22/8) = 0,60

CONSULTA PARA: ERROS_CERTO

SC

Sacola de produto

Somatorio (idfn . wtfn)

RANK: (3,52 · 0,74) + (1,60 · 0,43) = 3,20

doc 1   (2,60) + (0,68) = 3,20

doc 2   (2,03) + (1,21) = 3,29

doc 3   (1,48) + (1,58) = 3,05

ordenar:
1°   D2
2°   D1
3°   D3

Modelo VETORIAL

IDF

$V_{consulta} = (0,74, 0,43)$

Modulo

$V_{consulta} = \sqrt{(0,74^2 + 0,43^2)} = \sqrt{0,54 + 0,18} = 0,8559$

$V_{doc 1} = (3,52, 1,60)$

$V_{doc 1} = \sqrt{(3,52^2 + 1,60^2)} = 3,8660$

$V_{doc 2} = (2,84, 2,84)$

$V_{doc 2} = \sqrt{(2,84^2 + 2,84^2)} = 3,9952$

$V_{doc 3} = (2,0, 3,60)$

$V_{doc 3} = \sqrt{(2,0^2 + 3,60^2)} = 4,1972$

NORMALIZACAO

$V_{CN} = \dfrac{(0,74, 0,43)}{0,8559} = \dfrac{0,74}{0,8559}$ e $\dfrac{0,43}{0,8559} = (0,8646, 0,5024)$

$V_{D1N} = \dfrac{(3,52, 1,60)}{3,8660} = (0,9104, 0,4138)$

$V_{D2N} = \dfrac{(2,84, 2,84)}{3,9952} = (0,7058, 0,7084)$

$V_{D3N} = \dfrac{(2,0, 3,60)}{4,1972} = (0,47, 0,879)$

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cosseno calc

cossDoc1

$$C_{D1} = \underbrace{(0.8646 \cdot 0,9104)}_{0,7891} + \underbrace{(0,5024 \cdot 0,4138)}_{0,2079} = 0,9950$$

VCn X · VD1n X   VCn Y · VD1n Y

cossDoc2

$$C_{D2} = \underbrace{(0.8646 \cdot 0,7058)}_{0,6902} + \underbrace{(0,5024 \cdot 0,7084)}_{0,3559} = 0,9661$$

VCn X · VD2n X   VCn Y · VD2n Y

cossDoc3

$$C_{D3} = \underbrace{(0.8646 \cdot 0,47)}_{0,40650} + \underbrace{(0,5024 \cdot 0,879)}_{0,4416} = 0,8481$$

Rank

1° D1
2° D2
3° D3