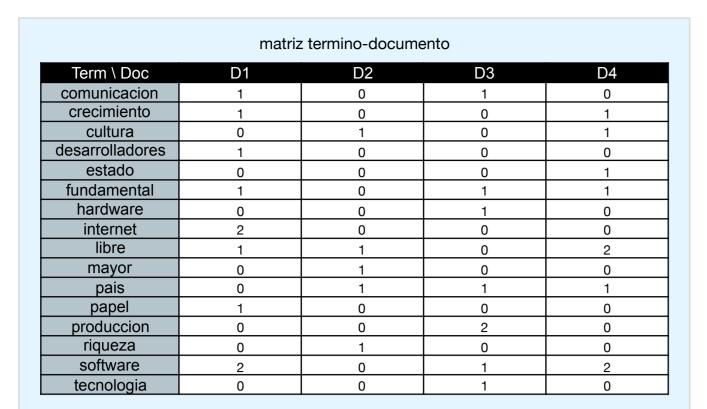
## Ejercicio 3



Doc	Terminos
1	10
2	5
3	8
4	9

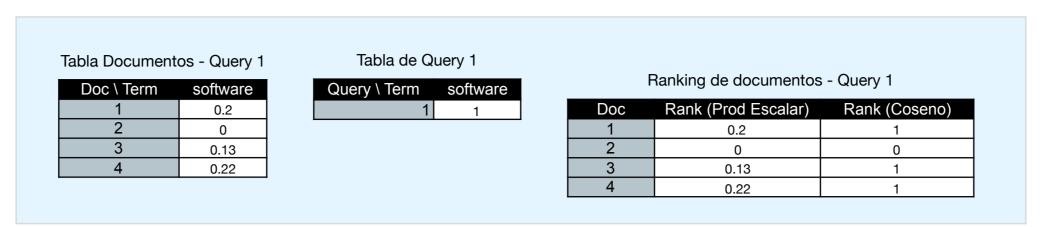


Tabla Do	abla Documentos - Query 2 Tabla de Query 2				Ranking de documentos - Query 2			
Doc \ Term	pais	libre	Query \ Term	pais	libre	Doc	Rank (Prod Escalar)	Rank (Coseno)
1	0	0.1	2	0.5	0.5	1	0.05	0.71
2	0.2	0.2				2	0.2	1
3	0.13	0				3	0.07	0.71
4	0.11	0.22				4	0.17	0.95

Tabla Documentos - Query 3			Tabla de Query 3 Ranking de documentos - Qu			-			
Doc \ Term	producción	software	pais	Query \ Term producción	pais	libre	Doc	Rank (Prod Escalar)	Rank (Coseno)
1	0	0.2	0	2 0.33	0.33	0.33	1	0.07	0.58
2	0	0	0.2			•	2	0.07	0.58
3	0.25	0.13	0.13				3	0.17	0.95
4	0	0.22	0.11				4	0.11	0.77

## Ejercicio 4

matriz termino-documento								
Term \ Doc	D1	D2	D3	D4	IDF			
comunicacion	1	0	1	0	1			
crecimiento	1	0	0	1	1			
cultura	0	1	0	1	1			
desarrolladores	1	0	0	0	2			
estado	0	0	0	1	2			
fundamental	1	0	1	1	0.42			
hardware	0	0	1	0	2			
internet	2	0	0	0	2			
libre	1	1	0	2	0.42			
mayor	0	1	0	0	2			
pais	0	1	1	1	0.42			
papel	1	0	0	0	2			
produccion	0	0	2	0	2			
riqueza	0	1	0	0	2			
software	2	0	1	2	0.42			
tecnologia	0	0	1	0	2			

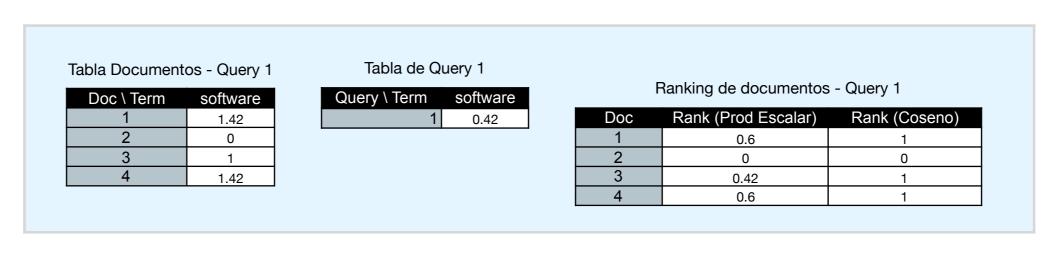


Tabla Documentos -		uery 2	Tabla	Tabla de Query 2 Ra			Ranking de documentos - Query 2		
Doc \ Term	pais	libre	Query \ Term	pais	libre		Doc	Rank (Prod Escalar)	Rank (Coseno)
1	0	1	2	0.42	0.42		1	0.42	0.71
2	1	1					2	0.84	1
3	1	0					3	0.42	0.71
4	1	1.42					4	1.02	0.99

	Tabla Documen	tos - Query 3		Tabla de Query 3				Ranking de documentos	
Doc \ Term	producción	software	libre	Query \ Term producción	pais	libre	Doc	Rank (Prod Escalar)	Rank (Coseno
1	0	1.42	1	2 2	0.42	0.42	1	1.02	0.28
2	0	0	1		_		2	0.42	0.2
3	3	1	0				3	6.42	0.97
4	0	1.42	1.42				4	1.19	0.28