Macedo Madrigal Rodrigo Temas Selectos de Computación 314676797

# Comparativo RSA

## Corrida 1:

Pro

ograma W	EB:				
1) Generate 29	] G	Si			
	E q	is  =  00  ?			
	h	S	Steps 7 and 8: CODI	NG PROCESS	
4) Compute (p-1)*(q-1)			Plain text (use lower case letters only)		Cipher text
448 nu		iu [	computacion		2^3, 14^3, 12^3, 15^3, 20^3, 19^3,
			2 14 12 15 20 19 0 2		8 279 249 417 112 450 0 8 19 279
5) Select key e		ſ	ENCODE ==>		
3					
The key e has to be relative prime to (p-1)*(q-1). It is selected by simply checking			Cipher text		Plain text
	member that the security of ely on the choice of e.	_	8 279 249 417 112 4		Tum toxt
6) Compute	kev d	L	DECODE ==>		
299	noy u				computacion
	Steps 7 and 8: CO	)DI	ING PROCESS	}	
	Plain text (use low	ver o	case letters only)	Cipher text	
_	computacion		• ,		
U	2 14 12 15 20 19 0 2				
	ENCODE ==>				
	Cipher text			Plain text	
_	8 279 249 417 112 4				249^299, 417^299, 112^2
l	DECODE ==>			2 14 12 15 20 19	0 2 8 14 13
				computacion	

### Corrida programa propio:

Números utilizados: 29 y 17

Valor de n = 493 Llave pública: 3 Llave privada: 299

Valores de la palabra sin encriptar: [2, 14, 12, 15, 20, 19, 0, 2, 8, 14, 13]

Valores encriptados: [8, 279, 249, 417, 112, 450, 0, 8, 19, 279, 225]

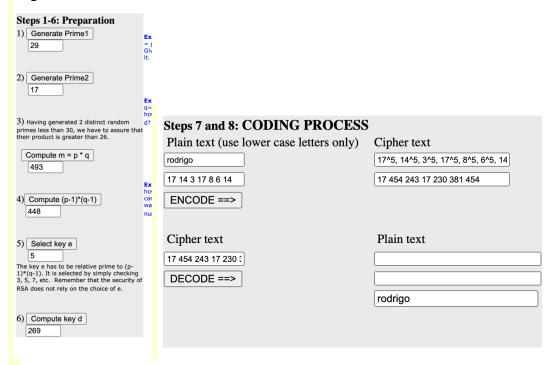
Text encriptado: itpbiiaittr

Valores de la palabra original [2, 14, 12, 15, 20, 19, 0, 2, 8, 14, 13]

Texto original: computacion

### Corrida 2:

# Programa WEB:



Steps 7 and 8: CODING PROCESS  Plain text (use lower case letters only)	Cipher text
rodrigo	
17 14 3 17 8 6 14	
ENCODE ==>	
Cipher text	Plain text
17 454 243 17 230 3	174000 4544000 0404000 174000 000404
17 404 240 17 200 0	17^269, 454^269, 243^269, 17^269, 230^26
DECODE ==>	17 14 3 17 8 6 14
	17 14 3 17 8 6 14

Corrida programa propio:

Texto original: computacion

(venv) ~/Documents/Escuela/Criptografia\_aplicada/RSA → 2 master ± → python ap Números utilizados: 17 y 29 Valor de n = 493Llave pública: 17 Llave privada: 369 Valores de la palabra sin encriptar: [2, 14, 12, 15, 20, 19, 0, 2, 8, 14, 13] Valores encriptados: [427, 388, 12, 134, 54, 478, 0, 427, 416, 388, 370] Text encriptado: lymeckalayg Valores de la palabra original [2, 14, 12, 15, 20, 19, 0, 2, 8, 14, 13]