

	Encorption: To encorpt message m, 1) obtain public key of recipient ku=(e,n) 2) compute cipheo text C C: me mod n where Osman where e is public key			
©	Decoyption: To decoypt cipheotext C, 1) Use private key			
	d 123	283d 283 566 849	283d mod 396 283 170 57	
	у 5 6 7	1132 1415 1698 1981	340 227 114 1	

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... d=7

(283)110 -> (100011011) 25 mo = 25 mod 437 = 25 252 = 252 mod 437 = 188 254 = 1882 mod 437 = 384 258 = 3842 mod 437=187 2516 = 1872 mod 437 = 9 2532 = 92 mod 437=81 2564 = 812 mod 437 < 6 $75^{^{126}} = 6^{2} \mod 437 = 36$ $25^{^{256}} = 36^{^{2}} \mod 437 = 422$ C= (5x 188x 187x 9x 422) mod 437 Decoppting cipher C=118 n= 118 mod 437 $(7)_{10} \rightarrow (0111)_{2}$ 118' = 118 mod 437 = 118 $118^2 = 118^2 \text{ mod } 437 = 377$ $118^4 = 377^2 \text{ mod } 437 = 104$ · m=(118x 377x 104) mod 437 .. m = 25

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