ADI-509aDI; Muhammed Rumadan No: 190290605 1) a) 15*29 mod 13=> 435mod13 => 435/13=33, Karan=6 => ceval= 6 b) -11 * 3 mod 13 =) - 11 * 3 = -33 => -33 /13 =-2, Kalan =-7 Kalan -7 alacagina 95,-11. * 3 mod 13=6 ceval=6 C) 1/5 mod 13 => =) 5 * 9 = u5(mod 17) 5 1 = 5 (mod 13) 3*10=50 (mod 13) 5 = 10 (modi3) 5 = 15 (mo di3) 54 11=55 (mod 13) 5" 4 = 20 (modis) 5#5=25 (mod 13) 5 12 = 60 (mod 13) 5 6= 30 (mod 13) => 5 * 8 = 4 0 mod 13 = 3 mod 13 5*7=35 (wo d13) 1*8 mod 13=8 548=\$0 (mod13)

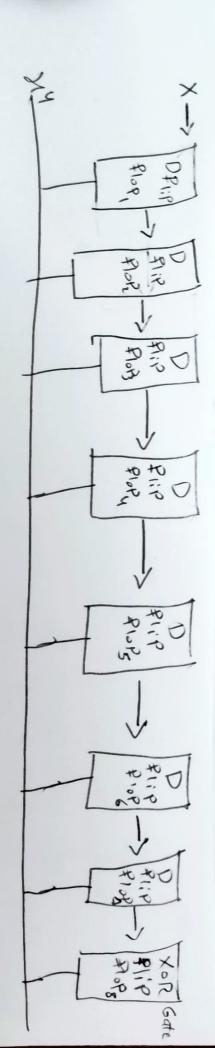
ADI-50 YaDI: Muhammed Ramadan No:190290605

2) If yf x ih zwn yd nx ym i wyth ixx tk xfkil zfwinsl
inlnyfg nsktwrfynts ymwtzlmtzy nyx is ynw i
gnki hdhgi yt uwtyihy ny Kwtr htww zuynt
, ym jky, tw Zsfym twneii fhhixx

ADI-50 Yadi: Muhammed Ramordon No:190290605

3)

9-



ADL SoyaDI: Muhammed Ramadan No: 190290605

3)

6-

	A	BI	c	0	E	F	G	14	
0	1	1	1	1	1	1	1	1	
1	1	1	1	1	1	1	1	0	
2	0	1	1	1	1	1	11	1	
3		0	1		1	1	1	1	
4	1	11	0	11	1	1		11	
5			1	0	1	1	1		
6		1	11	11			1	11	-
7	1	1	1	1	1		0/1	1	
8	1	1	1	11		1	1)	0 1	

ADI-50 Yadi: Muhammed Ramadan No:190290605

4)

7-Ponkisyonu

· DEs'in ana islemleri

· P- Fonkis yonu giris ler:

Ri-I ve round anahtarki

· 4 Adimlar;

1 - genisletilmis E

2-Round anahtari ile xoR

3-5- box subtitution

4-Permitasyon

