## Oiffie Hellman

$B_1 = 3$ $B_1 = 17^3 \text{ mod } 61$ $A_1 = 17^3 \text{ mod } 61$ $A_2 = 17^3 \text{ mod } 61$ $A_1 = 17^3 \text{ mod } 61$ $A_2 = 17^3 \text{ mod } 61$ $A_2 = 17^3 \text{ mod } 61$ $A_2 = 17^3 \text{ mod } 61$ $A_1 =$	Alice 17,61	17,61 ————————————————————————————————————	り
$A_1 = 17 \mod 61$ $A_1 = 146$ $A_2 = 17 \mod 61$ $A_2 = 33$ $A_1 = 46$ $A_2 = 33$ $A_1 = 46$ $A_2 = 33$ $A_2 = 33$ $A_1 = 46$ $A_2 = 33$ $A_2 =$	B1=173mad61	82=6 S=1	France 61
$K_1 = B_1 \mod D$ $K_2 = 41$ $K_2 = 5 \mod D$ $K_3 = 41$ $K_4 = 5 \mod D$ $K_5 = 6 \mod D$ $K_6 = 6 \mod D$	A,=17 mod 61 A,=46	Az= 17 mal 61	
	$K_1 = B_1 \mod p$ $K_1 = 41$	K2=5 mas61 K2=	
	41=17 a,3 mol(1		

46=17 mod 61 x=76 46=17 mod 61 y=74

problem if 5, 46 is larger

## Offic-Hellman

A lize
$$17,61$$

S

 $g = 17^{6} \mod 61$ 
 $g = 17^{6}$ 

$$e_{B}=31$$
, find  $d_{B}=2335$ 

we that's smaller than  $n_{B}$ 
 $31d_{B} \mod(58)(78)=1$ 

Concert to Ascii - string