	No.	
	Date.	1 1
/(1) 对于防射密码,P=C=Z26, K={(a16)EZ26XZ26;	gcd (a,zb)	=1}
ex(x)= (ax+b) mod >b	•	,
: x,y ∈ Z26 is Pr[Y=y]= Em Pr[K=k] Pr[x=dkl	y)]	
= \(\frac{1}{2} \) \(\frac{1}{2} \) \(\frac{1} \) \(\frac{1} \) \(\frac{1}{2} \) \(\frac{1}{2} \)		
= 312 E Pr[x=a-1(y-b)]		
場知, aEA, A=12, bEZzb, K=(a,b)EA×Zzb		
: 固定 y, a, 则 a-1(y-b) 构成 Z26 的一 置换		
固定4.6,1则 a ¹ (y-6) 构成 A的一个军换		
= Pr[x=a-(y-b)] = Σzy Pr[X=x]x 2=12		
· Yye Z26 ,有 Pr[y]= 26		
1. Yx,y ∈ Z26, Pr[y x]= Pr[K=(y-x)mod 26]×1.	2	
$\frac{-312 \times 12 = 26}{1 \cdot Pr[x]y] = \frac{Pr[x]Pr[y x]}{Pr[x] = Pr[x]} = Pr[x]$		
= Pr[x] = Pr[x]		
72-6		
八万财密码是完善保密的		
(2) YXEP, YEC		
Pr[y x]= (ab) Ex Pr[(ab)] = > Pr[o] · 26 = 126 aca Pr[a]= :	<u> </u> 2 6	
Pr[x]= Pr[x] Pr[y x]= = = Pr[x] Pr[x]y]= Pr[x] Pr[x] = Pr[x]		
4. 成立		
		Wengu