

∃期:

X, Y表示两次找出点数

1. (1). 
$$\Omega = \{(x,y) \mid x,y = 1,2,3,4,5,6\}$$

(2). 老出现正面记为1, 倾面记为0, X, Y, Z分别为三为组

$$\Omega = \{(x,y,z) \mid x,y,z = 0.1\}$$

(3). 记那个点的坐标为(2,4)

三. / 注意到 B D A

(4). 
$$\overrightarrow{AB} = \overrightarrow{B} = B = (4, \frac{2}{3})$$

四. 处证: 老此为真 则由密斥原理.

五、记事件: 订中, 订工分别为日, 马.

记义, 生分别为己, 甲到达明问 Ω= {(x,y) | x ∈ (12,12.5) } y ∈ (12.5, 13.7) 12-5 13 ×/k 记甲队到即能过河为A A= ? (x,y) | y-x=+, x (12,12.5)  $P(A) = \frac{m(A)}{m(\Omega)} = \frac{0.5 \times 0.5 - 0.25^2}{0.5 \times 0.5} = \frac{7}{8}.$ th. 41. \( \sum \frac{1}{2} P(A\_k) = 0 \)  $P(B_{m}) = P(\lim_{m \to \infty} \stackrel{\circ}{\mathcal{V}} A_{k}) < \sum_{k=m}^{\infty} P(A_{k}) \xrightarrow{m \to \infty} 0$   $P(B_{n} : i.o) = P(\stackrel{\circ}{\mathcal{V}} \stackrel{\circ}{\mathcal{V}} A_{1}) = P(\stackrel{\circ}{\mathcal{V}} B_{m}) = \lim_{m \to \infty} P(B_{m}) = 0$ 12). 更证 P(An.ino.) 二1只需证其补集概率为 0 RP P((M, V, An)) = 0 RP P( N=1 n=m dr) = 0 DA An = lim nam An = lim T(+P(An)) = lim en = lim en = EP(An)

<b>企画步分别用到</b>	In1-X ≤-X	以及 差 P(Ak)= 10 =>	lim EP(A1)
			= 10 [