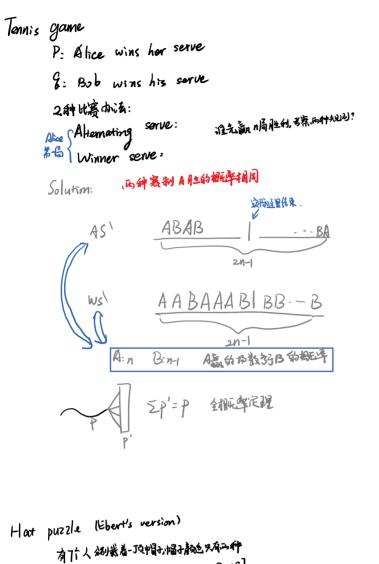
Elementary Probability

Tuesday, March 6, 2018 10:11 AM



x1, x2, ..., x7 € {0,1}] 每人的各到其他人的帽子,猪的的帽子的色,有多到的猪侧房对中不存 在与真实序的相后的数,则这7人数比 对行的1.好,且对有人不确定 可使得获胜概率达到于 (3):0113013 胜 Solution: X e F2 1 = 3 4 5 6 7 为所有的中非零而量松高的矩阵 \$ B= ;(14 = 24 (n-r(A)) H= {x elf | Bx= 0} |F3/H| = 23, 和这 eo, e, ..., e, e尼为 o和单位向是 Hteo, Hter, ..., Hter 智智道人 (若相转 台:一台台) 相交, 为归的一个分割. 而日本沙不等其批學,稱 BUX, YXER, Jag-t, s.t. XEH+ et = xteteH D Tit: that, x+e; &H. 62t) @ 事实上,在外的EH与的terGH → B (ei+er)= O 但由 B的取版和任而到和人为O 和[

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VXEHE, Noter XEH+et, W有且仅有一个X的分量外方,
由の、包知
当Xt 改变时,X且及属3H的状态改变
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那么对 原问题,采取如下策略。当一人省现,无达自己住置 为 0或1, 者际成效要 X 是飞属于H的状态时, 循环, 否则, 循 司以 PC推上 PC胆 XeHe)·PCXEH() + PC股 (XeH)P(XEH)= |X=+0=78 使XXH的值。PCXHS)=3

Murphy's law = If s+h. bad can happen, it exentually will.

Let (An, n=1) be any sequence of events in a probability

Space satisfying An SAnti for all n=1. Suppose that ¥ P(DAn | Anc) > E. Then P(DAn)=1

 $P_n = P(A_n)$ Pfz BAnzA P(A) = P(A|An)(1-Pn)+ P(A|An)Pn. 35(1-Pn)+Pn 0 FP(UAn) = P(U(An\And)) = EP(An\And)

= \$ [P(An)-P(An)] = E PCAN

D. 两侧取极限. PLAT > E(I-PLAT)+PLAT =) P(A) 7/ #

Balls #White Balls Za # Black Balls = b 1º choose n balls 2º choose I from the n balls



Let A be an event that the final chosen ball is white.

Solution: Solution 1: En (2) (10) . C - JEFGRAT HARTHER SPITE

Lot C be the number of white balls in the chosen in balls.

P(A|c)= h P(A)= Z P(A|C=e)P(C=e) :E(c)= aton. P(A)=E(P(AIC))=E[E[AIC]] =E(E) = and?