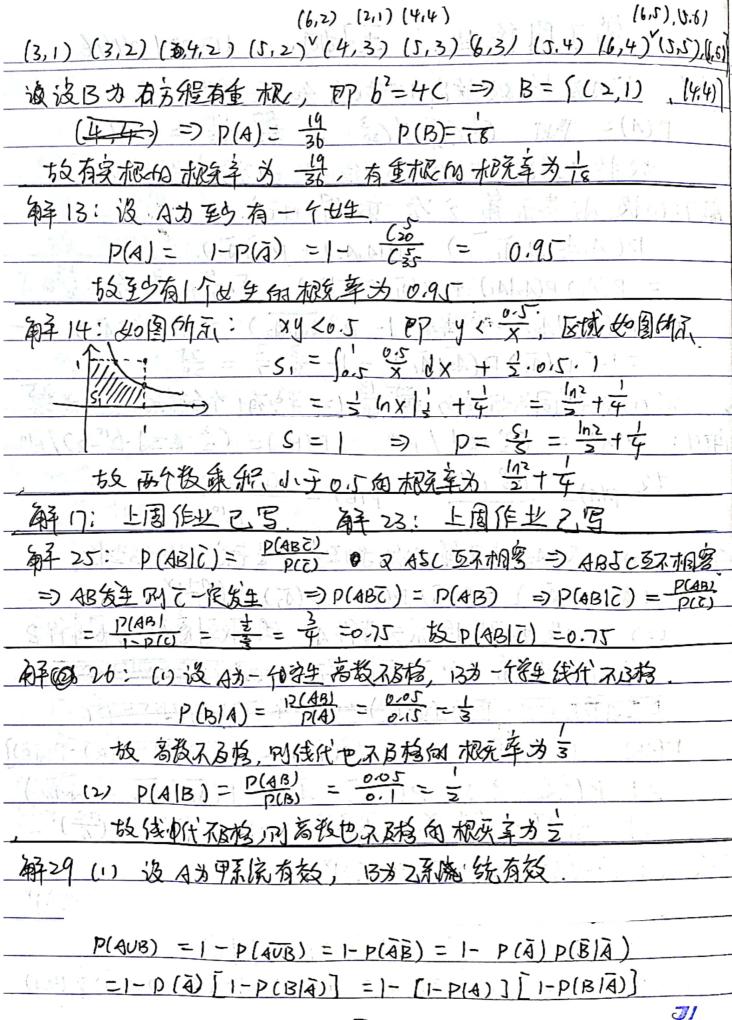
```
第五周作业、王子茄、1120210446
解6: 没有为,恰好送出一个的这里生物了它男生
   p(A) = (10 (2) / (30 = 203 = 0.468
    校恰的这出一位世生和2位男生的视外子为0.468
解了:心设As表示第文次取得自我.
    P(A,A2UA,A2) = P(A,A2) + P(A,A2)
    = P(A,) P(A,) + P(A,) P(A,) A,) = $, 7 + 3, 7 = 18
(2) P(A, UAz) = P(A, UAz) = 1-P(A,Az)
     极(1) 西部同色概率为 著品(2)至为有1个的部份概率为是
解9: P(A) = (101/1210 P(B)= C12 ·(2'-2)/100
   the p(A) = C12 (0! PIB) = (12 (210-2)
解10 (1): 汲Ai 表示第2次抽到 1号时,由独立性
 P(\overline{A_1}, \overline{A_2}, ..., \overline{A_Y}) = P(\overline{A_1}) P(\overline{A_2}) P(\overline{A_Y}) = \frac{(n-1)^{N}}{n}
   (2) 避波取到 1号球为事件A、取到意动为、事件B
    图 局沟第次取到2号社
  P(AB) = 1- P(AB) = 1- P(AUR) = 1- [P(A) + P(B) -P(AB)]
    = 1- P (A,Az ... Ar) - P (B, Bz ... Ar) + P (A,B) A.B ... ArBr)
    =1- (2) 1 + (2) 1 + (2) 1 = 1-5 7 (2) 1 + (2) 1
Tod (1) 1号铁取不到的根据事为 (分)
 (2)月代初分月代十分自被取到向水及车办1-2份)"十份"
解11: 8由题的,样本空间共有36个样本点。
  说A为方程有实根、即674C=>A=(C;1).(6,1) (4,1)
```



```
= 1- (1-0.92) (1-0.85) = 0.988
 鼓至的有1个有效的根据为0.988
 (z) P(A|B) = P(AB)/P(B)
    P(AB) = 1-P(AB) = 1-P(AUB) =1-[P(B)+P(B)-P(AB)]
     = 1-[p(A)+p(B)- P(A)-P(BIA)]
   =1- [[-p(A)]+P(B)- [1-p(A)]p(B|A)]
     =1-[(1-0.92)+ 0.93 - (1-0.92) x0.85] = 0.058
  =) P(AIB) = P(AB)/P(B) = P(AB)/[1-P(B)] = 0.008 = 0.829
  放决系统不可有级组积原学为 0.829.
解30: 沒 4为母亲得病,B为孩子得病,C为结婚病
     P(B)=0.6, P(AIB)=00, P(C|AB) =0.4
  P(ABZ) = P(B)P(AIB) P(ZIAB)
           = P(B) P(AIB) [1- P(ClAB)]
           = 0.6 ×0.5 × (1-0.4) = 0.18
 故明的孩子招病但发光来积颜的柳亮年为 0.18
```