```
O Exact Results 2
 1) P(Sick|LID) = 芸をP(S,H,P|LD) = 芸をP(S,H,P,L,D)|P(L,D)= る芸をP(S,H,P,L,D)
  = == PEPIS)PIP) PIH ISP)P(LIH) PID IH)= a < 0.5x (D,1x0,95x0,3x06)+(0.9x0,6x08x0,0)),
   0,95x (0,95x 0,9x0,3x0,6) + (0,95x0,1x0,3x0,1)) = 2<0,004313,0.0370127.
   = Normalize(2<0.004313.00270127>) = <0.1043678>, 0.895632187> 2 <0.104,0896>
          OP(5)=0.05
                                                    DP(75>=0,95
                                            DDDA
                                   P(HIJSD)
 TX(P)=OLI
              PV=<413
                                   =49 (<del>1)=9</del>
        45(HKP)
                PHISD
                       (4.51 HJ) d/
                                                                     P(7H17S7P)
HB)
                                                 (વર્શમજિવિC
                                                         (PE)HISTO
         ×0.05
                                    نو<0 □ H)
                                                                     =0.9
        CHUT IQ C
               ノりけけり
                         BOSCHII)A
                                                 P(LIH)
                                                         KHH)
         202
                                    D(DIH)
                       O P(DPH)=aoi
        P(P(JH)
               HIAKC
                                                 Þ(ЫН)
                                     ±w₽
                                                         ) KIDIH)
                                                                     P(DPH)
               2016
                                                 =0101
2) P(Sick I Doctor=false)=芸旨P(S,H,P)プロ)= 日子日(Sick I Doctor=false)=芸旨P(S,H,P)プロ)
  =0== P(S)P(D)P(HKP)P(DIH)=2 (0.05 x (0.1xa9) xa4+a1xa05xa99,
                                                              0,912/0,120,9 x0,470,120,120,4
  =2 (0.0360775,0.83961) = <0.041>>3,0.958776937 × <0.041,0959>
              OÞ(s)=605
                                                          D1757=0.95
       D(p)=ou
                    D.0=(41)4
                                                 P(p)=0,1
                                                                   P(7P)=49
D(HKXX) (
             P(7||SP)
                    OF (HISTED OP (HISTED)
5007
                                           (4EIH)(
                                                               D(H757D
                                                   )(qz#7k
                                                                           CAESIHIIQ
(HIDT)
                                                                二〇八
                                                                            =09
           (אלסי) פ
                               P(DPH)
=0.4
                                          D(7DIH)
                                                   をならず
                                                               DODH)
                                                                         チ ひ(ふかしれ)
                               =0.99.
                                          =ou
                                                    =0000
                                                                            =699
 3) D(DNP1 Fecture=taise)=D(D/1)= \frac{HS}{25} b(HSD11) = \frac{HS}{25} (HPD11) = 925 D(HSD11)
  = 2< 0.065/25, 0.23/757 = < 0.2/93/84211, 0.78063/5789} & <0.2/94, 0.78067
4) P(PUT)Lecture=false, Doctor=true) = P(P1715)D>=
      þ(s)
                    D(75)=0,95
                                            D(2)=04
                                          P(HISIPS
(GSIH)G
            CASHUAC
                            O D(7H13P)
                                                                        ς(γμβs7P)
20,05
             2010t
            (H\Gamma IJ\Gamma)QC
 GUTH7
                     ンちいけん
                            (HT/17)
  0,7
 >>10,0292905, 0,20177 = Normallise 2/0,0292905, 0,0077
                   = 20,1270955326,0,87290446747 = 20,1271,0,87297.
```

t	, losandi	·	d	P(5)	a IPTAN
54	60	39	63 90	2 0.02	(D) -P 0.9
5	83	42	63 90 1 56 19 31		
59	99	2	19 31	-2 0.012-	
25	46	22	50 84	1	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
94	59	52	16 52		CONTRACT HINDE
86	6	43	97 24		(H) P(H)S, P) H 0.95
73	5	43 93	55 53		S 4 0.05
11	77	3	70 56	_	
91	84	56	50 84 16 52 97 24 55 53 70 56 46 18 50 30		DH OY
15		38	50 30	(1)	1 1 1 1 -41 a6
.	p h		ď	D(LIH)	P P(DIH) - P H 0.9
5 7 38 39 45 25	91 91 73 54	11 48 90 38	75 25 44 54 72 46 15 71 82 90	P(4H)	H P a6 P H O1 P H Q1
7 38 39 45 25 86	6 91 91 73 54	48 90 38 4 28	75 25 44 54 72 46 15 71 82 90 98 83	11160	H P a6 P H a1 P H a9.
7 38 39 45 25 86	6 91 91 73 54 56 4	48 90 38 4 28	75 25 44 54 72 46 15 71 82 90 98 83 28 53	H 1 23 - 1,0.7	H D a6 - D 0.4 - D 0.4
7 38 39 45 25 86 93	6 91 91 73 54 56 4 67	48 90 38 4 28 3	75 25 44 54 72 46 15 71 82 90 98 83 28 53	H 1 23 - 1,0.7	H D a6 + D a4 + D a01 + D a01
7 38 39 45 25 86 93 100	6 91 91 73 54 56 4 67 94	48 90 38 4 28 3 68	75 25 44 54 72 46 15 71 82 90 98 83 28 53	H 1 0.8	H D a6 + D a4 + D a01 + D a01
7 38 39 45 25 86 93 100 3	6 91 91 73 54 56 4 67 94 55	48 90 38 4 28 3 68 32 86	75 25 44 54 72 46 15 71 82 90 98 83 28 53 77 60 21 37 17 35	H 1 0.8	H D a6 - D 0.4 - D 0.4
7 38 39 45 25 86 93 100 3 100 65	6 91 91 73 54 56 67 94 55 28	48 90 38 4 28 3 68 32 86 96	75 25 44 54 72 46 15 71 82 90 98 83 28 53 77 60 21 37 17 35	H 1 23 - 1,0.7	H D a6 + D a4 + D a01 + D a01
7 38 39 45 25 86 93 100 3 100 65	6 91 91 91 73 54 56 4 57 94 55 28 1	48 90 38 4 28 3 68 32 86 96 93	75 25 44 54 72 46 15 71 82 90 98 83 28 53 77 60 21 37 17 35	H 1 0.8	H D a6 + D a4 + D a01 + D a01
7 38 39 45 25 86 93 100 3 100 65 61	6 91 91 91 73 54 56 4 56 7 94 55 28 1 40	48 90 38 4 28 3 68 32 86 96 93 59	75 25 44 54 72 46 15 71 82 90 98 83 28 53 77 60 21 37 17 35 18 45 86 19 79 76	H 1 0.8	H D a6 + D a4 + D a01 + D a01
7 38 39 45 25 86 93 100 3 100 65 61 89	6 91 91 91 73 54 56 4 56 7 94 555 28 1 40 59	48 90 38 4 28 3 68 32 86 96 93 59 85	75 25 44 54 72 46 15 71 82 90 98 83 28 53 77 60 21 37 17 35 18 45 86 19 79 76 76 61	H 1 0.8	H D a6 + D a4 + D a01 + D a01
7 38 39 45 25 86 93 100 3 100 65 61 89 45	6 91 91 91 73 54 56 4 55 28 1 1 40 59 43	48 90 38 4 28 3 68 32 86 96 93 59 85 45	75 25 44 54 72 46 15 71 82 90 98 83 28 53 77 60 21 37 17 35 18 45 86 19 79 76 61 13 34	H 1 0.8	H D a6 - D 0.4 H D a01
7 38 39 45 25 86 93 100 3 100 65 61 89	6 91 91 91 73 54 56 4 67 94 55 28 1 40 59 43 67	48 90 38 4 28 3 68 32 86 96 93 59 85	75 25 44 54 72 46 15 71 82 90 98 83 28 53 77 60 21 37 17 35 18 45 86 19 79 76 76 61 13 34	H 1 0.8	H D a6 + D a4 + D a01 + D a01

Random 10 Samples : (-5, -P, H, L, D), (s, -P, H, -L, D), (-s, -P, H, L, D) $Sbs(x_1 \cdots x_n) = p(x_1 \cdots x_n)$ (-s, -P, H, -L, D), (-s, P, H, -L, D), (-s, -P, H, -L, D)(-s, -P, H, -L, D), (-s, -P, H, -L, D).

Random 20 Samples: (-s,P>H,-L,-D), (-s,-P,-H,L,-D), (-s,-P,-H,L,-D)

(-s,-p,-H,-L,-D), (-s,-p,H,-L,-D), (-s,-p,-H,-L,-D), (-s,-p,-H,-L,-D)

(-s,-p,-H,-L,-D), (s,-p,H,L,-D), (-s,-p,-H,-L,-D), (-s,-p,-H,-L,-D)

(-s,-p,-H,-L,-D), (-s,-p,-H,L,-D), (-s,-p,-H,-L,-D)

(-s,-p,-H,-L,-D), (-s,-p,-H,-L,-D).

For P(Publ Lecture = false), lo sample rejection fust remain: (s, -p,-H,-L,-D) (-s,p,H,-L,-D), (-s,-p,H,-L, D), (-s,p,H,-L,D), (-s,-p,H,-L,D), (-s,-p,H,-L,D), (-s,-p,H,-L,D)

inside P (Dub=true) league=false) = = = OU (1 B(x/e)=anps (x/e)=\frac{Nps (x/e)}{Npste)}

\[
\times \frac{D(e)}{D(e)} = D(x/e). \(\times \text{ the approximate points is } \(\times \text{ (0.4)}, \(\text{ o.16} \) \(\text{ fractise} \) \(\text{ o.10}, \(\text{ o.10}, \text{ o.10} \) \(\text{ o.10}, \(\text{ o.10}, \text{ o.10}, \text{ o.10} \)

205ample: (-5,1P,H,-L,-D), (-5,-P,H,-L,D), (-5,-P,H,-L,D), (-5,-P,-H,-L,D), (-5,-P,-H,-L,D), (-5,-P,-H,-L,D), (-5,-P,H,-L,D), (-5,-P,H,-L,D),

For (Publ lecture=folse, Doctor=true) lo sample: (-S,-P,H,-L,D), (-S,P,H,-L,D)

(-S,-P,H,-L,D) P(Pub-tre | tecture=folse, Doctor=true)= \(\frac{1}{3} \) \(\frac{1} \) \(\frac{1}{3} \) \(\frac{1}{3} \) \(\frac{1}{3} \) \(\f

P(Dub=true (lecture=false, Dative =frue) = fors, 0,27, as the approximate result is <0,5,0,5%.

the Doblemis refuse too much sample with the evaluate variable incessed. the Overstank hot hove the good result with rejection sampling.

the exact results: $P(S|L_1D) = 70.104, 0.896 >$ P(S|7D) = 70.041, 0.959 > P(P|7L) = 70.219, 0.7817 $P(P|7L_1D) = 70.127, 0.8737$

The apprening to results. D(BD17L)(losanple) = (0.4,0.6) D(D17L)(losanple) = (0.286, 0.714) D(D17L,D)(losanple) = (0.5), 0.677 D(D17L,D)(losanple) = (0.5, 0.57)