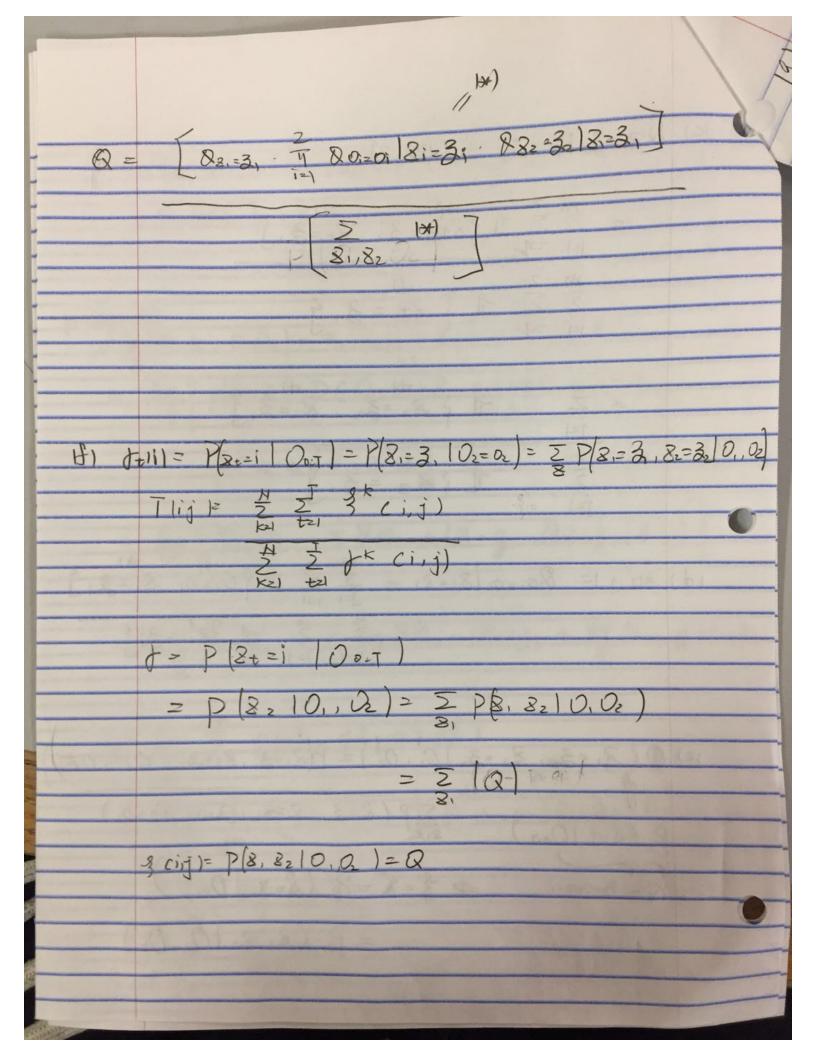
Homewatt44 Due Dec/11/2017 problem# (Y5=S3)=1- P(Y5=S2)-P(Y5=S1) TUI) 1/2 1/2 1/2 2 2 2 TUI) 1/2 1/4 1/2 1/2 = 1/32 ap(15=53)= 1- 4-2=36 1b) P(TS = SS | XI:7 = AABCABC) = P(YS=S, 71:7=AABCABC) = TILY # B(XO, YOUTH)
P(XI:7=AABCABC) BCA, S3) =0 Since 75 = A B (A.S3) T (S3, (S1, S2, S3) = 0 At tes

For t26 pate

inimation: (X,11) = P(X=A, Y=1) = B(A,1)-TU) (C) Ster (1) = P (80 th , 7th = 1) = BC[A,B,C], 1) [TC1,1) (1) + T(1,2) (2) + T(1,3) (2) = BC(A,B,c),1) * = 011) Xtm (2) = P (80:tr1, Xt+1=2) = B[A,B,C],2)[T(2,1)x11) + Tk,2)x12) + T(2,3)x(3) = B[A,B,c], 2) [/4 x/1) + /2 x/2) Xt+1 31= P (80: +1, 7++1=3) =B((A,B,C],3) (T(3,1) X+11) + T(3,2) X+(2) + T(3,3) X+(3) =B([A,B,C],3)[/4 x+11) + /2 x+12) + x+13) Q, (1) = P[X=A, Y=1) = B (A,1) = T(1)

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MA	t 0411)	(+ N + N + N + N + N + N + N + N + N + N	Q+13) :-
TALAN	1 1/2	2	0
B(A,1)	C1/2)	(1) (N.) (N.)	1 5(12(0)
BCHAL	2 1/8	YIB	0
B(B,1)	11/21	(0)	(1/2)
	3 /32	0	/32
BIC,i)	(0)		1/21
	4 0	1/256	5/256
BCA, i) \//2		(5)
	5 0	1/1024	0
B(B,i	11/2		(/2)
	6 0	0	1/4096
Bicii) 10		(%)
	7 0)	1/8192
0		A 1 10 10 - 1	0.75012
0	- S - S - C - S - C - S - C - S - C - S - C - S - C - S - C - S - C - S - C - S - C - S - C - S - C - S - C - S - C - S - C - C		
116	tz) t22 t23 t4 t25 t26 t27		
101-1	1 2 1		
19)	ABCAD		
	S ₁ S ₂ × - 3 ×		
5	X1 5- 25- 12		
	Sz - Sz - SZY		
	S2 X SX S3 - 3 S3		
-	Maria Santa Maria		
-	the second to th		
1 2 8 1 2 2	S ₁ S ₁ S ₂ S ₂ S ₃ S ₃		
3	3 31 31 32 32 77 7		
P(7017, 8017) = P(S, S, S, S, S, S, S, AA BCABC)			
P (No.T) COM			
-	= TLC1) · BCA,1) TCL1) · BlA,1) · T11,1) · B(B,1) TC2,1) B(e,2) T(2,2) B(A,2)		
-	1 7.27 PARC [2.5]		
1 many	T(3,2) · BCB,3) T(3,3) · B(C,3)		
5	[5,2] DCD13/ [U//]		
The second secon		The second secon	

= (|x \frac{1}{2}) x (1/2 x \frac{1}{2}) x (1/2 x 1/2) x (1/4 x 1/2) x (\frac{1}{2} x \frac{1}{2}) x (/2 x/2) x (1 x/2) = problem#2 10 19 P(3, 32, 0, 0) = TL (8,) T(8, 8,) log & p (2,= 8,) - D (0,= 0, 1 2, 2 8,) P (0,= 0, 1 8,= 82) DC 2282 (8,28,) 9 02= 3, · 11 801=0:18:=3; · 02=3218:=3 log 02=3, + 5 log 80=018=3; + log 0 2=3, 18=3 D/81, 87, 0, 02 Q2,23, . TO 01=0; 1983,23, +5 lgQ Oi=0i | 8;=3; +198



19/8-0, 18:28: =Blij) $= \underbrace{\frac{1}{2}}_{k_1} \underbrace{\frac{1}{2}}_{k_2} \underbrace{\frac{1}{2}}_{k_1} \underbrace{\frac{1}{2}}_{k_2} \underbrace{\frac{1}{2}}_{k_1} \underbrace{\frac{1}{2}}_{k_2} \underbrace{\frac{1}{2}}_{k_1} \underbrace{\frac{1}{2}}_{k_2} \underbrace{\frac{1}{2}}_{k_1} \underbrace{\frac{1}{2}}_{k_2} \underbrace{\frac{1}{2}}_{k_1} \underbrace{\frac{1}{2}}_{k_2} \underbrace{\frac{1}{2}}_{k_2} \underbrace{\frac{1}{2}}_{k_1} \underbrace{\frac{1}{2}}_{k_2} \underbrace{\frac{1}{2}}_{k_1} \underbrace{\frac{1}{2}}_{k_2} \underbrace{\frac{1}{2}}_{k_1} \underbrace{\frac{1}{2}}_{k_2} \underbrace{\frac{1}{2}}_{k_2} \underbrace{\frac{1}{2}}_{k_1} \underbrace{\frac{1}{2}}_{k_2} \underbrace{\frac{1}{2}}_{k_2} \underbrace{\frac{1}{2}}_{k_1} \underbrace{\frac{1}{2}}_{k_2} \underbrace{$ 81 21 = 5 P(8, 82) 01,02) = 5 Q J(8,) = P(8,10,02) = 5 Q -(82)= P(82 1002) = ZQ