1_1_ STQQSSD you proldo turande MA COUNTRACTOR (1) N(0) = (1-a)(1+na)- ne(-1,0) xn1: N(0)=1, N(1)=0 N(9) = (1-0)(1+0) = 1 N(1) = (1-1)(1-1) = 0* n2: N(a) >, N(b), a = b a, b & [0, 1] => 1+ no, 1+ nb >0=> 1-a 7, 1-b (1-a) (1+ab) >, (1-b) (1+aa) - rab -a+16 7 1-206-b+20 26 - a 7, 2a - 6 16 + 6 y rata war angula 6(2+1) y a(2+1) (2+1) #0 67, a 65 a 56

Ol spirati

43: N(N(a)) = a N(N(a)) = (1-N(a))(1+ nN(a))-(1 - 1-10) (1 + 2 1-a) -1 - (120-120) (1+10+1-10)-1 nt (-1,00) = (1+na-1+a) (1+na+n-na)-1 = (a + ra)((+r)-1 = a(l+r)(l+r)-1 [(l+r)+0] N(a) = (1-a) 1100 u & (9100) + h1: N N(01=1, N(1)=0 N(9) = (1-0) += 1 N(1) = (1-1) 1/4 = 0 1 n7: N(a), N(b) ~ a 5 b

(1-a") 11W >, (1-b") 110

spinali

11 for fraldo towards 2 4 1×41 K30 =>)110 7, (1-49)10 d a 5 b * n4: N(N(a)) = a N(N(a)) = (1-N(a) " - au) luja = (aa) 11a = ag ASSENDEN SACK MARIAN CONTROLAR CORRECTOR

Or spirali

(11) T(a,b) = min (a,b) t1: T(0,0)=0, T(a,1)=T(1,a)=a T(0,0) = min(0,0) = 0 T(q,1) = min(a,1) as 1 = 7 $T(a,1) = \frac{1}{2}a$ $T(l,a) = min(l,a) = \frac{1}{2}a = T(a,1)$ 62: T(a,b) < T(a,d), b < d (i) a 5 b T(a,b) = min (a,b) = a T(a,d) = min (a,d) as 6 sd => asd (ii) b = a 5 d T(a,b) = min(a,b) = b ((aid) = min (a,d) = a molady T(a, b) = b & T(a, d) = a (iii) 65 d 5 a T(a,b)=min(a,b)=b T(a,d)=min(a,d)=d 6:dx=7 ((a,b) = ((a,d)

STOOSSD tron prollo Janas (3: T(a, b) = T(b, a) T(a,b) = min (a,b) = min (b,a) = 7(b,a) £4: T(a, T(b, c)) = T(T(a, b), c) T(a, T(b, c)) = min(a, min(b,c)) ¥ 1(7(a,b),c) = min (min(a,b),c) (+) T(a, T(b,c)) T(T(a,b)c a 5 6 5 C a 5 c 5 b 105 a 5 C bscsa ceasb c 5 6 5 a note que (*) cobre todo o dominio (111) S(4,6) = a+6-a6 v: 5(0,0) = 0, v(0,0) = 5(0,0) = a 5(0,0)=0+0-0=0 2(a,0) = a+0-0 = a 2(0,a) = 0+a-0 = a = 2(a,0)

03 spirati

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a7: S(a,b) & S(a,d), b&d a+b-abs ard-ad b-ab & d-ad b(1-a) & d(1-a) 0 5 a 5 1 => (1-a) 20 bsd n3: 5(a,b) = 5(b,a) a+b-ab=b+a-ba 24: S(a, S(b,c)) = S(S(a,b),c) S(a, S(b,c)) = a + S(b,c) - a S(b,c) = a + (b + c - bc) - a (b + c - bc) = a + b + c - bc - ab - ac +abc = a + b + c - 4b - c (a + b - ab) = (+(a+b-ab) - c (a+b-ab) = c + S(a,b) - c S(a,b) = S(S(a,b),c)

Jour proble through (IV) N(a) = 1-a S(a, b) = a + b - a b ((a, b) = a b T (a, b) = N(S(N(a), N(b))) 5(0,6) = N(T(N(a), N(b))) (i) N(S(N(a), N(b))) = N(S(1-0,1-b)) = N(1-a+1-b-(1-a)(1-b)) = N(1-x+V-8-(x-16-14-05)) = N(1-ab) = 1-(1-ab) = ab = T(9,6) (ii) N(T(N(a), N(b))) = N(T(1-a, 1-b)) = N(11-a)(1-b))= N(1-a-b +ab) = X- (X-a-b+ab) = a+b-ab = S(a,b)

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