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9 CD
                                                     2420010, RHIE, Syyong
 1. gcd (24, 36)
                                               eg gcd(x, 0) = x, ... gcd1
                                       2 eg gcd(x, NzY)=gcd(NzY, x rem NzY).
+ g( d (36, (24 rem 36)) .. by (gcd 2)
                                                                 111 gcd 2
- 2 Cb (36, 24) 1. by (remainder)
-t gcd (24, (36 rem 24)) ... by (9cl 2)
                                           *) M rem NN = (rem m NN) = Remainder
- + 9 cd (24, 12) in by ( hem )
- 9 gcd (12, (24 rem 12)) " by (gcd 2)
-+ 9 (d (12, 0) in by (rem)
-112 ... by (9cd 1)
FACT
                                        eq fact (0) = 1. " f1
                                        eg fact (N2X) = N2X . fact (p N2X).
1, fact (5),
+ 5. tact (P 5) " by (12)
+5. fact (4) " by (P)
                                          *) p NN = (- nn 1) = Previous
→ 5.4. fact (p 4) ... by (+2)
+5,4. fact (3) " by (p)
-0 5 .4 · 3 · fact (p 3) (1 by (f2)
+5 .4.3 , fact (2) ... by (P)
- 5.4.3.2. fact (y 2) " 64-(f2)
+5. 4. 3. 2. fact (1) 1-64(P)
-6.4.3.2,1. fact (01) ... by (+2)
-,5.4.3,2.1. tact (0) . a bu (P)
+5.4.3.2.1.1 ... by (f1)
+5.4.3.2.1 pd 120
+5,4,3,2 4 = 120
45,4,6
45.29 - t 1
all by(x)
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OEDC-FACT
 1. oedc-fact (5),
                                                 eq oedc -tact (0) = 1. ... ot1
                                                 eq Oed (-fact (N2X)
7 9 (5 (1) " b 2 (of 2)
                                                    = g (N2X, 1), ... o+2
+ (ond(5>1, g(5, 2.1) \cdot g(5d(5, 1), 2.1), 5)
            · · · bb(g)
                                            eg g(x, Y) = Cond(x > Y,
-e (ond (true, g(5,2.1), g(5)(5,1),2.1),5)
                                              g(x, 2.4), g(sd(x, 4), 2.4),
                                                X), in g
                                 141 by (>)
- $(5,2). $(5,1),2.1) " by ((on 11)
                                             eq Cond (true, X, Y) = X ... cond 1
\rightarrow (ond(5)2,9(5,2.1),9(51(5,1),2.2),5)
                                             en Cond (fulse , Y) = Y ... Cond 2
                                in by (g)
~ (on 1 (true, g(5,2,2), g(5) (5,2),2,2),5) ... by(>)
+ g(5,4), g(5d(5,2),22) 111 by (cond1)
+ (ond (5)4, g(5, 2.4), g(5) (5,4),2.4),5) "by(g)
+ (on) (true, g(5,2.4), 2(5)(5,4), 2.4), 5) 1 66(>)
- 9(5,8).9 CSJC5,4), 2.4) ... b6 (cond 1)
-1(on)(5)8,9(5,2.8).g(5)(5,8),2.8),5) (... bb(4)
-v(ond (fulse, g(5, 2.8), g(s(5,p), 2.4), 5) " by(>)
- 4 5 · g (5) (5,4),2.4) · · · bb ((ond2)
-09(1,8) "by(5) + (x)0p)
+ (ond (1> f, f(1,2.8), g(5)(1,0), 2.f), 1) - by(g)
- 0 (on ) (false, 2(1,2.8). 3(56(1,8),2.8), 1) ... 64(>)
- 5 ( 1 - 64 (cont 2)
- + , g(5/(5/2), 2, 2) " by ((x) of)
-0 2(3,4) 1.165(5d+(x)0p)
- (ond (3>4, 2(3,2.4), 2(SL(3,4), 2,4)3) 1- 64(g)
+ (and (false, g(3,2.4), 2(5)(3,4),2.4) 3) 1 by (>)
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→ 5.3 ... by (con12)

→ 15.9(51(5,1), 2.1) ... by (∞ op)

→ 9(4,2) ... by (51 + ∞ op)

→ (on1 (4)2, g(4,2.2). g(51(4,2),2.2), 4) ... by (g)

→ (on1 (true, g(4,2.2). g(51(4,2),2.2), 4) ... by (>)

→ 9(4,4). g(51(4,2),2.2) ... by (con1 1) + (∞ op)

¬ (on1 (4)4, g(4,2.4). g(51(4,4),2.4), 4) ... by (g)

→ (on1 (5ulse, g(4,2.4). g(51(4,4),2.4), 4) ... by (>)

→ 4.3(51(4,1),2.2) ... by (con12)

→ 9(2,4) ... by (51 + ∞ op)

+ (on1(2>4, g(2,2.4). g(51(2,4),2.4),2) ... by (2)

→ (on1 (5ulse, g(2,2.4). g(51(2,4),2.4),2) ... by (>)

+ (on1 (2>6) (2,2.4). g(51(2,4),2.4),2) ... by (>)

+ (on1 (5ulse, g(2,2.4). g(51(2,4),2.4),2) ... by (>)
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