$$(1/[Pi])2 \, ((\, I \, 2^{\wedge}(-2 \, t) \, E^{\wedge}(-I \, [Pi] \, t + I \, [Pi] \, y) \, [Pi]^{\wedge}2 \, t^{\wedge}5 \, y \, Csc[\, 2 \, [Pi] \, t] \, Csc[[Pi] \, t - [Pi] \, y])/((-1 + t - y) \, (-2 + t + y)^{\wedge}2 \, (-1 + t + y)^{\wedge}2 \, (t + y)^{\wedge}2 \, (1 + t + y)^{\wedge}2 \, Gamma[\, 1 - 2 \, t] \, Gamma[3 + t - y] \, Gamma[-2 + t + y])$$

- (I 2^(-2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 t y^5 Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (-2 + t + y)^2 (-1 + t + y)^2 (t + y)^2 (1 + t + y)^2 Gamma[1 - 2 t] Gamma[3 + t - y] Gamma[-2 + t + y]) - (I 2^(-2 - 2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 t^2 Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (-2 + t + y)^2 (-1 + t + y)^2 (t + y)^2 (1 + t + y)^2 Gamma[-2 t] Gamma[3 + t - y] Gamma[-2 + t + y]) + (9 I 2^(-4 - 2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 t^4 Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (-2 + t + y)^2 (-1 + t + y)^2 (t + y)^2 (1 + t + y)^2 Gamma[-2 t] Gamma[3 + t - y] Gamma[-2 + t + y]) - (3 I 2^(-3 - 2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 t^6 Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (-2 + t + y)^2 (-1 + t + y)^2 (t + y)^2 (1 + t + y)^2 Gamma[-2 t] Gamma[3 + t - y] Gamma[-2 + t + y]) + (I 2^(-4 - 2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 t^8 Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (-2 + t + y)^2 (-1 + t + y)^2 (t + y)^2 (1 + t + y)^2 Gamma[-2 t] Gamma[3 + t - y] Gamma[-2 + t + y]) + (I 2^(-2 - 2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 t^2 y Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (-2 + t + y)^2 (-1 + t + y)^2 (t + y)^2 (1 + t + y)^2 Gamma[-2 t] Gamma[3 + t - y] Gamma[-2 + t + y]) + (I 2^(-2 - 2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 t^6 y Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (-2 + t + y)^2 (-1 + t + y)^2 (t + y)^2 (1 + t + y)^2 Gamma[-2 t] Gamma[3 + t - y] Gamma[-2 + t + y]) + (I 2^(-2 - 2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 y^2 Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (-2 + t + y)^2 (-1 + t + y)^2 (t + y)^2 (1 + t + y)^2 Gamma[-2 t] Gamma[3 + t - y] Gamma[-2 + t + y]) - (I 2^(-3 - 2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 t^2 y^2 Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (-2 + t + y)^2 (-1 + t + y)^2 (t + y)^2 (1 + t + y)^2 Gamma[-2 t] Gamma[3 + t - y] Gamma[-2 + t + y]) + (7 I 2^(-3 - 2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 t^4 y^2 Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (-2 + t + y)^2 (-1 + t + y)^2 (t + y)^2 (1 + t + y)^2 Gamma[-2 t] Gamma[3 + t - y] Gamma[-2 + t + y]) - (I 2^(-2 - 2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 t^6 y^2 Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (-2 + t + y)^2 (-1 + t + y)^2 (t + y)^2 (1 + t + y)^2 Gamma[-2 t] Gamma[3 + t - y] Gamma[-2 + t + y]) - (I 2^(-2 - 2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 y^3 Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (-2 + t + y)^2 (-1 + t + y)^2 (t + y)^2 (1 + t + y)^2 Gamma[-2 t] Gamma[3 + t - y] Gamma[-2 + t + y]) - (3 I 2^(-2 - 2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 t^4 y^3 Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (-2 + t + y)^2 (-1 + t + y)^2 (t + y)^2 (1 + t + y)^2 Gamma[-2 t] Gamma[3 + t - y] Gamma[-2 + t + y]) - (7 I 2^(-4 - 2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 y^4 Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (-2 + t + y)^2 (-1 + t + y)^2 (t + y)^2 (1 + t + y)^2 Gamma[-2 t] Gamma[3 + t - y] Gamma[-2 + t + y]) - (5 I 2^(-3 - 2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 t^2 y^4 Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (-2 + t + y)^2 (-1 + t + y)^2 (t + y)^2 (1 + t + y)^2 Gamma[-2 t] Gamma[3 + t - y] Gamma[-2 + t + y]) + (3 I 2^(-3 - 2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 t^4 y^4 Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (-2 + t + y)^2 (-1 + t + y)^2 (t + y)^2 (1 + t + y)^2 Gamma[-2 t] Gamma[3 + t - y] Gamma[-2 + t + y]) + (3 I 2^(-2 - 2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 t^2 y^5 Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (-2 + t + y)^2 (-1 + t + y)^2 (t + y)^2 (1 + t + y)^2 Gamma[-2 t] Gamma[3 + t - y] Gamma[-2 + t + y]) + (I 2^(-3 - 2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 y^6 Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (-2 + t + y)^2 (-1 + t + y)^2 (t + y)^2 (1 + t + y)^2 Gamma[-2 t] Gamma[3 + t - y] Gamma[-2 + t + y]) - (I 2^(-2 - 2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 t^2 y^6 Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (-2 + t + y)^2 (-1 + t + y)^2 (t + y)^2 (1 + t + y)^2 Gamma[-2 t] Gamma[3 + t - y] Gamma[-2 + t + y]) - (I 2^(-2 - 2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 y^7 Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (-2 + t + y)^2 (-1 + t + y)^2 (t + y)^2 (1 + t + y)^2 Gamma[-2 t] Gamma[3 + t - y] Gamma[-2 + t + y]) + (I 2^(-4 - 2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 y^8 Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (-2 + t + y)^2 (-1 + t + y)^2 (t + y)^2 (1 + t + y)^2 Gamma[-2 t] Gamma[3 + t - y] Gamma[-2 + t + y]) + (I 2^(-2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 t^5 y Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y)^2 (t - y)^2 (1 + t - y)^2 (2 + t - y)^2 (-2 + t + y) Gamma[1 - 2 t] Gamma[-1 + t - y] Gamma[2 + t + y]) - (I 2^(-2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 t y^5 Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y)^2 (t - y)^2 (1 + t - y)^2 (2 + t - y)^2 (-2 + t + y) Gamma[1 - 2 t] Gamma[-1 + t - y] Gamma[2 + t + y]) - (I 2^(-2 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 t^2 Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y)^2 (t - y)^2 (1 + t - y)^2 (2 + t - y)^2 (-2 + t + y)

Gamma[−2 t] Gamma[−1 + t - y] Gamma[2 + t + y]) + (9 I 2^(-4 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 t^4
Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y)^2 (t - y)^2 (1 + t - y)^2 (2 + t - y)^2 (-2 + t + y)
Gamma[−2 t] Gamma[−1 + t - y] Gamma[2 + t + y]) - (3 I 2^(-3 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 t^6
Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y)^2 (t - y)^2 (1 + t - y)^2 (2 + t - y)^2 (-2 + t + y)
Gamma[−2 t] Gamma[−1 + t - y] Gamma[2 + t + y]) + (I 2^(-4 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 t^8
Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y)^2 (t - y)^2 (1 + t - y)^2 (2 + t - y)^2 (-2 + t + y)
Gamma[−2 t] Gamma[−1 + t - y] Gamma[2 + t + y]) + (I 2^(-2 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 t^2 y
Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y)^2 (t - y)^2 (1 + t - y)^2 (2 + t - y)^2 (-2 + t + y)
Gamma[−2 t] Gamma[−1 + t - y] Gamma[2 + t + y]) + (I 2^(-2 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 t^6 y
Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y)^2 (t - y)^2 (1 + t - y)^2 (2 + t - y)^2 (-2 + t + y)
Gamma[−2 t] Gamma[−1 + t - y] Gamma[2 + t + y]) + (I 2^(-2 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 y^2
Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y)^2 (t - y)^2 (1 + t - y)^2 (2 + t - y)^2 (-2 + t + y)
Gamma[−2 t] Gamma[−1 + t - y] Gamma[2 + t + y]) - (I 2^(-3 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 t^2
y^2 Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y)^2 (t - y)^2 (1 + t - y)^2 (2 + t - y)^2 (-2 + t + y)
Gamma[−2 t] Gamma[−1 + t - y] Gamma[2 + t + y]) + (7 I 2^(-3 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 t^4
y^2 Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y)^2 (t - y)^2 (1 + t - y)^2 (2 + t - y)^2 (-2 + t + y)
Gamma[−2 t] Gamma[−1 + t - y] Gamma[2 + t + y]) - (I 2^(-2 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 t^6
y^2 Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y)^2 (t - y)^2 (1 + t - y)^2 (2 + t - y)^2 (-2 + t + y)
Gamma[−2 t] Gamma[−1 + t - y] Gamma[2 + t + y]) - (I 2^(-2 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 y^3
Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y)^2 (t - y)^2 (1 + t - y)^2 (2 + t - y)^2 (-2 + t + y)
Gamma[−2 t] Gamma[−1 + t - y] Gamma[2 + t + y]) - (3 I 2^(-2 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 t^4
y^3 Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y)^2 (t - y)^2 (1 + t - y)^2 (2 + t - y)^2 (-2 + t + y)
Gamma[−2 t] Gamma[−1 + t - y] Gamma[2 + t + y]) - (7 I 2^(-4 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 y^4
Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y)^2 (t - y)^2 (1 + t - y)^2 (2 + t - y)^2 (-2 + t + y)
Gamma[−2 t] Gamma[−1 + t - y] Gamma[2 + t + y]) - (5 I 2^(-3 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 t^2
y^4 Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y)^2 (t - y)^2 (1 + t - y)^2 (2 + t - y)^2 (-2 + t + y)
Gamma[−2 t] Gamma[−1 + t - y] Gamma[2 + t + y]) + (3 I 2^(-3 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 t^4
y^4 Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y)^2 (t - y)^2 (1 + t - y)^2 (2 + t - y)^2 (-2 + t + y)
Gamma[−2 t] Gamma[−1 + t - y] Gamma[2 + t + y]) + (3 I 2^(-2 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 t^2
y^5 Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y)^2 (t - y)^2 (1 + t - y)^2 (2 + t - y)^2 (-2 + t + y)
Gamma[−2 t] Gamma[−1 + t - y] Gamma[2 + t + y]) + (I 2^(-3 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 y^6
Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y)^2 (t - y)^2 (1 + t - y)^2 (2 + t - y)^2 (-2 + t + y)
Gamma[−2 t] Gamma[−1 + t - y] Gamma[2 + t + y]) - (I 2^(-2 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 t^2
y^6 Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y)^2 (t - y)^2 (1 + t - y)^2 (2 + t - y)^2 (-2 + t + y)
Gamma[−2 t] Gamma[−1 + t - y] Gamma[2 + t + y]) - (I 2^(-2 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 y^7
Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y)^2 (t - y)^2 (1 + t - y)^2 (2 + t - y)^2 (-2 + t + y)
Gamma[−2 t] Gamma[−1 + t - y] Gamma[2 + t + y]) + (I 2^(-4 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 y^8
Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y)^2 (t - y)^2 (1 + t - y)^2 (2 + t - y)^2 (-2 + t + y)
Gamma[−2 t] Gamma[−1 + t - y] Gamma[2 + t + y]) - (I 2^(-2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 t^4 y
Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (-2 + t + y) (-1 + t + y) (t + y) Gamma[1 - 2 t] Gamma[3 +
t - y] Gamma[2 + t + y]) - (I 2^(-2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 t^3 y^2 Csc[2 [Pi] t] Csc[[Pi] t -
[Pi] y])/((-1 + t - y) (-2 + t + y) (-1 + t + y) (t + y) Gamma[1 - 2 t] Gamma[3 + t - y] Gamma[2 + t + y])
+ (I 2^(-2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 t^4 y^2 Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (-2 + t +
y) (-1 + t + y) (t + y) Gamma[1 - 2 t] Gamma[3 + t - y] Gamma[2 + t + y]) + (I 2^(-2 t) E^(-I [Pi] t + I
[Pi] y) [Pi]^2 t^3 y^3 Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (-2 + t + y) (-1 + t + y) (t + y)
Gamma[1 - 2 t] Gamma[3 + t - y] Gamma[2 + t + y]) - (I 2^(-2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 t^4 y^3
Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (-2 + t + y) (-1 + t + y) (t + y) Gamma[1 - 2 t] Gamma[3 +
t - y] Gamma[2 + t + y]) - (I 2^(-2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 t y^4 Csc[2 [Pi] t] Csc[[Pi] t - [Pi]
y])/((-1 + t - y) (-2 + t + y) (-1 + t + y) (t + y) Gamma[1 - 2 t] Gamma[3 + t - y] Gamma[2 + t + y]) - (I

2^(-2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 t^3 y^4 Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (-2 + t + y) (-1 + t + y) (t + y) Gamma[1 - 2 t] Gamma[3 + t - y] Gamma[2 + t + y]) - (I 2^(-2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 t^4 y Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y) (t - y) (-2 + t + y) (-1 + t + y) Gamma[1 - 2 t] Gamma[3 + t - y] Gamma[2 + t + y]) + (I 2^(-2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 t^3 y^2 Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y) (t - y) (-2 + t + y) (-1 + t + y) Gamma[1 - 2 t] Gamma[3 + t - y] Gamma[2 + t + y]) + (I 2^(-2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 t^4 y^2 Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y) (t - y) (-2 + t + y) (-1 + t + y) Gamma[1 - 2 t] Gamma[3 + t - y] Gamma[2 + t + y]) - (I 2^(-2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 t^3 y^3 Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y) (t - y) (-2 + t + y) (-1 + t + y) Gamma[1 - 2 t] Gamma[3 + t - y] Gamma[2 + t + y]) - (I 2^(-2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 t^4 y^3 Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y) (t - y) (-2 + t + y) (-1 + t + y) Gamma[1 - 2 t] Gamma[3 + t - y] Gamma[2 + t + y]) + (I 2^(-2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 y^4 Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y) (t - y) (-2 + t + y) (-1 + t + y) Gamma[1 - 2 t] Gamma[3 + t - y] Gamma[2 + t + y]) + (I 2^(-2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 t^3 y^4 Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y) (t - y) (-2 + t + y) (-1 + t + y) Gamma[1 - 2 t] Gamma[3 + t - y] Gamma[2 + t + y]) - (I 2^(-2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 t^3 y Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y) (-2 + t + y) (-1 + t + y) (t + y) Gamma[1 - 2 t] Gamma[3 + t - y] Gamma[2 + t + y]) + (I 2^(-2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 t y^3 Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y) (-2 + t + y) (-1 + t + y) (t + y) Gamma[1 - 2 t] Gamma[3 + t - y] Gamma[2 + t + y]) - (I 2^(-3 - 2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 t^2 Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (t - y) (1 + t - y) (-2 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) + (I 2^(-4 - 2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 t^3 Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (t - y) (1 + t - y) (-2 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) + (I 2^(-2 - 2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 t^4 Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (t - y) (1 + t - y) (-2 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) - (I 2^(-3 - 2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 t^5 Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (t - y) (1 + t - y) (-2 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) - (I 2^(-3 - 2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 t^6 Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (t - y) (1 + t - y) (-2 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) + (I 2^(-4 - 2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 t^7 Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (t - y) (1 + t - y) (-2 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) + (I 2^(-4 - 2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 t^2 y Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (t - y) (1 + t - y) (-2 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) - (I 2^(-3 - 2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 t^4 y Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (t - y) (1 + t - y) (-2 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) + (I 2^(-4 - 2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 t^6 y Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (t - y) (1 + t - y) (-2 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) + (I 2^(-3 - 2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 y^2 Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (t - y) (1 + t - y) (-2 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) - (I 2^(-4 - 2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 t y^2 Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (t - y) (1 + t - y) (-2 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) + (3 I 2^(-3 - 2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 t^4 y^2 Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (t - y) (1 + t - y) (-2 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) - (3 I 2^(-4 - 2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 t^5 y^2 Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (t - y) (1 + t - y) (-2 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) - (I 2^(-4 - 2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 y^3 Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (t - y) (1 + t - y) (-2 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) - (3 I 2^(-4 - 2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 t^4 y^3 Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (t - y) (1 + t - y) (-2 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) - (I 2^(-2 - 2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 y^4 Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (t - y) (1 + t - y) (-2 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) + (I 2^(-3 - 2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 t y^4 Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (t - y) (1 + t - y) (-2 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) - (3 I 2^(-3 - 2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 t^2 y^4 Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (t - y) (1 + t - y) (-2 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) + (3 I 2^(-4 - 2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 t^3

y^4 Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (t - y) (1 + t - y) (-2 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) + (I 2^(-3 - 2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 y^5 Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (t - y) (1 + t - y) (-2 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) + (3 I 2^(-4 - 2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 t^2 y^5 Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (t - y) (1 + t - y) (-2 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) + (I 2^(-3 - 2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 y^6 Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (t - y) (1 + t - y) (-2 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) - (I 2^(-4 - 2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 t y^6 Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (t - y) (1 + t - y) (-2 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) - (I 2^(-4 - 2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 y^7 Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (t - y) (1 + t - y) (-2 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) + (I 2^(-2 - 2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 t^2 Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (t - y) (-2 + t + y) (-1 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) - (I 2^(-2 - 2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 t^3 Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (t - y) (-2 + t + y) (-1 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) - (5 I 2^(-4 - 2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 t^4 Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (t - y) (-2 + t + y) (-1 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) + (5 I 2^(-4 - 2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 t^5 Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (t - y) (-2 + t + y) (-1 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) + (I 2^(-4 - 2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 t^6 Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (t - y) (-2 + t + y) (-1 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) - (I 2^(-4 - 2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 t^7 Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (t - y) (-2 + t + y) (-1 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) - (I 2^(-2 - 2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 t^3 y Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (t - y) (-2 + t + y) (-1 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) + (7 I 2^(-4 - 2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 t^4 y Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (t - y) (-2 + t + y) (-1 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) - (I 2^(-3 - 2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 t^5 y Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (t - y) (-2 + t + y) (-1 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) - (I 2^(-4 - 2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 t^6 y Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (t - y) (-2 + t + y) (-1 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) - (I 2^(-2 - 2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 y^2 Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (t - y) (-2 + t + y) (-1 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) + (I 2^(-2 - 2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 t y^2 Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (t - y) (-2 + t + y) (-1 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) - (I 2^(-3 - 2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 t^2 y^2 Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (t - y) (-2 + t + y) (-1 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) - (I 2^(-3 - 2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 t^3 y^2 Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (t - y) (-2 + t + y) (-1 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) - (5 I 2^(-4 - 2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 t^4 y^2 Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (t - y) (-2 + t + y) (-1 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) + (3 I 2^(-4 - 2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 t^5 y^2 Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (t - y) (-2 + t + y) (-1 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) + (I 2^(-2 - 2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 t y^3 Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (t - y) (-2 + t + y) (-1 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) - (3 I 2^(-3 - 2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 t^2 y^3 Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (t - y) (-2 + t + y) (-1 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) + (I 2^(-2 - 2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 t^3 y^3 Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (t - y) (-2 + t + y) (-1 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) + (3 I 2^(-4 - 2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 t^4 y^3 Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (t - y) (-2 + t + y) (-1 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) + (7 I 2^(-4 - 2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 y^4 Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (t - y) (-2 + t + y) (-1 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) - (3 I 2^(-4 - 2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 t y^4 Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (t - y) (-2 + t + y) (-1 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) + (7 I 2^(-4 - 2 t) E^(-I [Pi]

t + I [Pi] y) [Pi]^2 t^2 y^4 Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (t - y) (-2 + t + y) (-1 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) - (3 I 2^(-4 - 2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 t^3 y^4 Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (t - y) (-2 + t + y) (-1 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) - (I 2^(-4 - 2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 y^5 Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (t - y) (-2 + t + y) (-1 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) - (I 2^(-3 - 2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 t y^5 Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (t - y) (-2 + t + y) (-1 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) - (3 I 2^(-4 - 2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 t^2 y^5 Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (t - y) (-2 + t + y) (-1 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) - (3 I 2^(-4 - 2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 y^6 Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (t - y) (-2 + t + y) (-1 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) + (I 2^(-4 - 2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 t y^6 Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (t - y) (-2 + t + y) (-1 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) + (I 2^(-4 - 2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 y^7 Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (t - y) (-2 + t + y) (-1 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) + (I 2^(-2 - 2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 t Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (-2 + t + y) (-1 + t + y) (t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) - (9 I 2^(-4 - 2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 t^3 Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (-2 + t + y) (-1 + t + y) (t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) + (3 I 2^(-3 - 2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 t^5 Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (-2 + t + y) (-1 + t + y) (t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) - (I 2^(-4 - 2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 t^7 Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (-2 + t + y) (-1 + t + y) (t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) + (I 2^(-2 - 2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 y Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (-2 + t + y) (-1 + t + y) (t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) - (I 2^(-2 - 2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 t y Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (-2 + t + y) (-1 + t + y) (t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) - (9 I 2^(-4 - 2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 t^2 y Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (-2 + t + y) (-1 + t + y) (t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) + (3 I 2^(-3 - 2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 t^4 y Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (-2 + t + y) (-1 + t + y) (t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) - (I 2^(-2 - 2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 t^5 y Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (-2 + t + y) (-1 + t + y) (t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) - (I 2^(-4 - 2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 t^6 y Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (-2 + t + y) (-1 + t + y) (t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) - (I 2^(-2 - 2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 y^2 Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (-2 + t + y) (-1 + t + y) (t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) - (7 I 2^(-4 - 2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 t y^2 Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (-2 + t + y) (-1 + t + y) (t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) - (I 2^(-2 - 2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 t^4 y^2 Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (-2 + t + y) (-1 + t + y) (t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) + (3 I 2^(-4 - 2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 t^5 y^2 Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (-2 + t + y) (-1 + t + y) (t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) - (7 I 2^(-4 - 2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 y^3 Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (-2 + t + y) (-1 + t + y) (t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) + (I 2^(-1 - 2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 t y^3 Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (-2 + t + y) (-1 + t + y) (t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) + (3 I 2^(-4 - 2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 t^4 y^3 Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (-2 + t + y) (-1 + t + y) (t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) + (I 2^(-3 - 2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 t y^4 Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (-2 + t + y) (-1 + t + y) (t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) - (3 I 2^(-4 - 2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 t^3 y^4 Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (-2 + t + y) (-1 + t + y) (t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) + (I 2^(-3 - 2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 y^5 Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (-2 + t + y) (-1 + t + y) (t + y) Gamma[−2 t] Gamma[3 + t - y]

Gamma[2 + t + y]) - (I 2^(-2 - 2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 t y^5 Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (-2 + t + y) (-1 + t + y) (t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) - (3 I 2^(-4 - 2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 t^2 y^5 Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (-2 + t + y) (-1 + t + y) (t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) - (I 2^(-2 - 2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 y^6 Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (-2 + t + y) (-1 + t + y) (t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) + (I 2^(-4 - 2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 t y^6 Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (-2 + t + y) (-1 + t + y) (t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) + (I 2^(-4 - 2 t) E^(-I [Pi] t + I [Pi] y) [Pi]^2 y^7 Csc[2 [Pi] t] Csc[[Pi] t - [Pi] y])/((-1 + t - y) (-2 + t + y) (-1 + t + y) (t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) - (I 2^(-2 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 t^2 Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y) (t - y) (1 + t - y) (-2 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) - (I 2^(-2 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 t^3 Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y) (t - y) (1 + t - y) (-2 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) + (5 I 2^(-4 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 t^4 Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y) (t - y) (1 + t - y) (-2 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) + (5 I 2^(-4 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 t^5 Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y) (t - y) (1 + t - y) (-2 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) - (I 2^(-4 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 t^6 Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y) (t - y) (1 + t - y) (-2 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) - (I 2^(-4 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 t^7 Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y) (t - y) (1 + t - y) (-2 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) - (I 2^(-2 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 t^3 y Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y) (t - y) (1 + t - y) (-2 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) - (7 I 2^(-4 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 t^4 y Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y) (t - y) (1 + t - y) (-2 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) - (I 2^(-3 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 t^5 y Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y) (t - y) (1 + t - y) (-2 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) + (I 2^(-4 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 t^6 y Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y) (t - y) (1 + t - y) (-2 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) + (I 2^(-2 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 y^2 Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y) (t - y) (1 + t - y) (-2 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) + (I 2^(-2 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 t y^2 Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y) (t - y) (1 + t - y) (-2 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) + (I 2^(-3 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 t^2 y^2 Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y) (t - y) (1 + t - y) (-2 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) - (I 2^(-3 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 t^3 y^2 Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y) (t - y) (1 + t - y) (-2 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) + (5 I 2^(-4 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 t^4 y^2 Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y) (t - y) (1 + t - y) (-2 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) + (3 I 2^(-4 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 t^5 y^2 Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y) (t - y) (1 + t - y) (-2 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) + (I 2^(-2 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 t y^3 Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y) (t - y) (1 + t - y) (-2 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) + (3 I 2^(-3 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 t^2 y^3 Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y) (t - y) (1 + t - y) (-2 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) + (I 2^(-2 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 t^3 y^3 Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y) (t - y) (1 + t - y) (-2 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) - (3 I 2^(-4 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 t^4 y^3 Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y) (t - y) (1 + t - y) (-2 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) - (7 I 2^(-4 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 y^4 Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y) (t - y) (1 + t - y) (-2 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) - (3 I 2^(-4 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 t y^4 Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y) (t - y) (1 + t - y) (-2 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) - (7 I 2^(-4 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 t^2 y^4 Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y) (t - y) (1 + t - y) (-2 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) - (3 I 2^(-4 - 2 t)

E^(-I [Pi] t - I [Pi] y) [Pi]^2 t^3 y^4 Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y) (t - y) (1 + t - y) (-2 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) + (I 2^(-4 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 y^5 Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y) (t - y) (1 + t - y) (-2 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) - (I 2^(-3 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 t y^5 Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y) (t - y) (1 + t - y) (-2 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) + (3 I 2^(-4 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 t^2 y^5 Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y) (t - y) (1 + t - y) (-2 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) + (3 I 2^(-4 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 y^6 Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y) (t - y) (1 + t - y) (-2 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) + (I 2^(-4 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 t y^6 Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y) (t - y) (1 + t - y) (-2 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) - (I 2^(-4 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 y^7 Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y) (t - y) (1 + t - y) (-2 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) + (I 2^(-2 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 t Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y) (t - y) (-2 + t + y) (-1 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) - (9 I 2^(-4 - 2 t) E^(-I [Pi] y) [Pi]^2 t^3 Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y) (t - y) (-2 + t + y) (-1 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) + (3 I 2^(-3 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 t^5 Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y) (t - y) (-2 + t + y) (-1 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) - (I 2^(-4 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 t^7 Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y) (t - y) (-2 + t + y) (-1 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) - (I 2^(-2 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 y Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y) (t - y) (-2 + t + y) (-1 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) - (I 2^(-2 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 t y Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y) (t - y) (-2 + t + y) (-1 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) + (9 I 2^(-4 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 t^2 y Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y) (t - y) (-2 + t + y) (-1 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) - (3 I 2^(-3 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 t^4 y Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y) (t - y) (-2 + t + y) (-1 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) - (I 2^(-2 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 t^5 y Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y) (t - y) (-2 + t + y) (-1 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) + (I 2^(-4 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 t^6 y Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y) (t - y) (-2 + t + y) (-1 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) + (I 2^(-2 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 y^2 Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y) (t - y) (-2 + t + y) (-1 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) - (7 I 2^(-4 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 t y^2 Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y) (t - y) (-2 + t + y) (-1 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) + (I 2^(-2 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 t^4 y^2 Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y) (t - y) (-2 + t + y) (-1 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) + (3 I 2^(-4 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 t^5 y^2 Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y) (t - y) (-2 + t + y) (-1 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) + (7 I 2^(-4 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 y^3 Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y) (t - y) (-2 + t + y) (-1 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) + (I 2^(-1 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 t y^3 Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y) (t - y) (-2 + t + y) (-1 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) - (3 I 2^(-4 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 t^4 y^3 Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y) (t - y) (-2 + t + y) (-1 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) + (I 2^(-3 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 t y^4 Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y) (t - y) (-2 + t + y) (-1 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) - (3 I 2^(-4 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 t^3 y^4 Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y) (t - y) (-2 + t + y) (-1 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) - (I 2^(-3 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 y^5 Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y) (t - y) (-2 + t + y) (-1 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) - (I 2^(-2 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 t y^5 Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y) (t - y) (-2 + t + y) (-1 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) + (3 I

2^(-4 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 t^2 y^5 Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y) (t - y) (-2 + t + y) (-1 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) + (I 2^(-2 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 y^6 Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y) (t - y) (-2 + t + y) (-1 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) + (I 2^(-4 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 t y^6 Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y) (t - y) (-2 + t + y) (-1 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) - (I 2^(-4 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 y^7 Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y) (t - y) (-2 + t + y) (-1 + t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) - (I 2^(-2 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 t^2 Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y) (-2 + t + y) (-1 + t + y) (t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) + (I 2^(-2 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 t^3 Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y) (-2 + t + y) (-1 + t + y) (t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) + (5 I 2^(-4 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 t^4 Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y) (-2 + t + y) (-1 + t + y) (t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) - (5 I 2^(-4 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 t^5 Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y) (-2 + t + y) (-1 + t + y) (t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) - (I 2^(-4 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 t^6 Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y) (-2 + t + y) (-1 + t + y) (t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) + (I 2^(-4 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 t^7 Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y) (-2 + t + y) (-1 + t + y) (t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) - (3 I 2^(-2 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 t^3 y Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y) (-2 + t + y) (-1 + t + y) (t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) - (I 2^(-4 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 t^4 y Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y) (-2 + t + y) (-1 + t + y) (t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) + (3 I 2^(-3 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 t^5 y Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y) (-2 + t + y) (-1 + t + y) (t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) - (I 2^(-4 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 t^6 y Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y) (-2 + t + y) (-1 + t + y) (t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) + (I 2^(-2 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 y^2 Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y) (-2 + t + y) (-1 + t + y) (t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) - (I 2^(-2 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 t y^2 Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y) (-2 + t + y) (-1 + t + y) (t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) - (3 I 2^(-3 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 t^2 y^2 Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y) (-2 + t + y) (-1 + t + y) (t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) + (9 I 2^(-3 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 t^3 y^2 Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y) (-2 + t + y) (-1 + t + y) (t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) - (3 I 2^(-4 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 t^4 y^2 Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y) (-2 + t + y) (-1 + t + y) (t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) - (3 I 2^(-4 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 t^5 y^2 Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y) (-2 + t + y) (-1 + t + y) (t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) + (3 I 2^(-2 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 t y^3 Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y) (-2 + t + y) (-1 + t + y) (t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) - (3 I 2^(-3 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 t^2 y^3 Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y) (-2 + t + y) (-1 + t + y) (t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) - (3 I 2^(-2 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 t^3 y^3 Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y) (-2 + t + y) (-1 + t + y) (t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) + (3 I 2^(-4 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 t^4 y^3 Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y) (-2 + t + y) (-1 + t + y) (t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) + (I 2^(-4 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 y^4 Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y) (-2 + t + y) (-1 + t + y) (t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) - (13 I 2^(-4 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 t y^4 Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y) (-2 + t + y) (-1 + t + y) (t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) + (9 I 2^(-4 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 t^2 y^4 Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y) (-2 + t + y) (-1 + t + y) (t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) + (3 I 2^(-4 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 t^3 y^4 Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y) (-2 + t + y) (-1 + t + y) (t + y)

Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) + (7 I 2^(-4 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 y^5 Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y) (-2 + t + y) (-1 + t + y) (t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) + (3 I 2^(-3 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 t y^5 Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y) (-2 + t + y) (-1 + t + y) (t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) - (3 I 2^(-4 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 t^2 y^5 Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y) (-2 + t + y) (-1 + t + y) (t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) - (5 I 2^(-4 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 y^6 Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y) (-2 + t + y) (-1 + t + y) (t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) - (I 2^(-4 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 t y^6 Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y) (-2 + t + y) (-1 + t + y) (t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) + (I 2^(-4 - 2 t) E^(-I [Pi] t - I [Pi] y) [Pi]^2 y^7 Csc[2 [Pi] t] Csc[[Pi] t + [Pi] y])/((-1 + t - y) (-2 + t + y) (-1 + t + y) (t + y) Gamma[−2 t] Gamma[3 + t - y] Gamma[2 + t + y]) - (I t^2 Hypergeometric2F1[1, t - y, -t - y, −1])/(2 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (I t^3 Hypergeometric2F1[1, t - y, -t - y, −1])/(2 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (5 I t^4 Hypergeometric2F1[1, t - y, -t - y, −1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (5 I t^5 Hypergeometric2F1[1, t - y, -t - y, −1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (I t^6 Hypergeometric2F1[1, t - y, -t - y, −1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (I t^7 Hypergeometric2F1[1, t - y, -t - y, −1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (I t^2 y Hypergeometric2F1[1, t - y, -t - y, −1])/((-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (3 I t^3 y Hypergeometric2F1[1, t - y, -t - y, −1])/(2 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (I t^4 y Hypergeometric2F1[1, t - y, -t - y, −1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (3 I t^5 y Hypergeometric2F1[1, t - y, -t - y, −1])/(4 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (I t^6 y Hypergeometric2F1[1, t - y, -t - y, −1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (I y^2 Hypergeometric2F1[1, t - y, -t - y, −1])/(2 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (I t y^2 Hypergeometric2F1[1, t - y, -t - y, −1])/(2 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (3 I t^2 y^2 Hypergeometric2F1[1, t - y, -t - y, −1])/(4 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (9 I t^3 y^2 Hypergeometric2F1[1, t - y, -t - y, −1])/(4 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (3 I t^4 y^2 Hypergeometric2F1[1, t - y, -t - y, −1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (3 I t^5 y^2 Hypergeometric2F1[1, t - y, -t - y, −1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (I y^3 Hypergeometric2F1[1, t - y, -t - y, −1])/((-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (3 I t y^3 Hypergeometric2F1[1, t - y, -t - y, −1])/(2 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (3 I t^2 y^3 Hypergeometric2F1[1, t - y, -t - y, −1])/(4 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (3 I t^3 y^3 Hypergeometric2F1[1, t - y, -t - y, −1])/(2 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (3 I t^4 y^3 Hypergeometric2F1[1, t - y, -t - y, −1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (I y^4 Hypergeometric2F1[1, t - y, -t - y, −1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (13 I t y^4 Hypergeometric2F1[1, t - y, -t - y, −1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (9 I t^2 y^4 Hypergeometric2F1[1, t - y, -t - y, −1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (3 I t^3 y^4 Hypergeometric2F1[1, t - y, -t - y, −1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (7 I y^5 Hypergeometric2F1[1, t - y, -t - y, −1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (3 I t y^5 Hypergeometric2F1[1, t - y, -t - y, −1])/(4 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (3 I t^2 y^5 Hypergeometric2F1[1, t - y, -t - y, −1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y)

(t + y) (1 + t + y)) - (5 I y^6 Hypergeometric2F1[1, t - y, -t - y, −1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (I t y^6 Hypergeometric2F1[1, t - y, -t - y, −1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (I y^7 Hypergeometric2F1[1, t - y, -t - y, −1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (I t Hypergeometric2F1[1, 1 + t - y, 1 - t - y, −1])/(2 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (9 I t^3 Hypergeometric2F1[1, 1 + t - y, 1 - t - y, −1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (3 I t^5 Hypergeometric2F1[1, 1 + t - y, 1 - t - y, −1])/(4 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (I t^7 Hypergeometric2F1[1, 1 + t - y, 1 - t - y, −1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (I y Hypergeometric2F1[1, 1 + t - y, 1 - t - y, −1])/(2 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (I t y Hypergeometric2F1[1, 1 + t - y, 1 - t - y, −1])/(2 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (9 I t^2 y Hypergeometric2F1[1, 1 + t - y, 1 - t - y, −1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (I t^3 y Hypergeometric2F1[1, 1 + t - y, 1 - t - y, −1])/((-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (3 I t^4 y Hypergeometric2F1[1, 1 + t - y, 1 - t - y, −1])/(4 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (I t^5 y Hypergeometric2F1[1, 1 + t - y, 1 - t - y, −1])/(2 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (I t^6 y Hypergeometric2F1[1, 1 + t - y, 1 - t - y, −1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (I y^2 Hypergeometric2F1[1, 1 + t - y, 1 - t - y, −1])/(2 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (7 I t y^2 Hypergeometric2F1[1, 1 + t - y, 1 - t - y, −1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (I t^2 y^2 Hypergeometric2F1[1, 1 + t - y, 1 - t - y, −1])/((-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (I t^3 y^2 Hypergeometric2F1[1, 1 + t - y, 1 - t - y, −1])/((-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (I t^4 y^2 Hypergeometric2F1[1, 1 + t - y, 1 - t - y, −1])/(2 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (3 I t^5 y^2 Hypergeometric2F1[1, 1 + t - y, 1 - t - y, −1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (7 I y^3 Hypergeometric2F1[1, 1 + t - y, 1 - t - y, −1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (I t y^3 Hypergeometric2F1[1, 1 + t - y, 1 - t - y, −1])/((-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (I t^2 y^3 Hypergeometric2F1[1, 1 + t - y, 1 - t - y, −1])/((-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (I t^3 y^3 Hypergeometric2F1[1, 1 + t - y, 1 - t - y, −1])/((-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (3 I t^4 y^3 Hypergeometric2F1[1, 1 + t - y, 1 - t - y, −1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (I y^4 Hypergeometric2F1[1, 1 + t - y, 1 - t - y, −1])/((-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (I t y^4 Hypergeometric2F1[1, 1 + t - y, 1 - t - y, −1])/(4 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (I t^2 y^4 Hypergeometric2F1[1, 1 + t - y, 1 - t - y, −1])/((-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (3 I t^3 y^4 Hypergeometric2F1[1, 1 + t - y, 1 - t - y, −1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (I y^5 Hypergeometric2F1[1, 1 + t - y, 1 - t - y, −1])/(4 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (I t y^5 Hypergeometric2F1[1, 1 + t - y, 1 - t - y, −1])/(2 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (3 I t^2 y^5 Hypergeometric2F1[1, 1 + t - y, 1 - t - y, −1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (I y^6 Hypergeometric2F1[1, 1 + t - y, 1 - t - y, −1])/(2 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (I t y^6 Hypergeometric2F1[1, 1 + t - y, 1 - t - y, −1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (I y^7 Hypergeometric2F1[1, 1 + t - y, 1 - t - y, −1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (I t^2 Hypergeometric2F1[1, 2 + t - y, 2 - t - y, −1])/(2 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (I t^3 Hypergeometric2F1[1, 2 + t - y, 2 - t -

y, −1])/(2 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (5 I t^4 Hypergeometric2F1[1, 2 + t - y, 2 - t - y, −1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (5 I t^5 Hypergeometric2F1[1, 2 + t - y, 2 - t - y, −1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (I t^6 Hypergeometric2F1[1, 2 + t - y, 2 - t - y, −1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (I t^7 Hypergeometric2F1[1, 2 + t - y, 2 - t - y, −1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (I t^3 y Hypergeometric2F1[1, 2 + t - y, 2 - t - y, −1])/(2 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (7 I t^4 y Hypergeometric2F1[1, 2 + t - y, 2 - t - y, −1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (I t^5 y Hypergeometric2F1[1, 2 + t - y, 2 - t - y, −1])/(4 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (I t^6 y Hypergeometric2F1[1, 2 + t - y, 2 - t - y, −1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (I y^2 Hypergeometric2F1[1, 2 + t - y, 2 - t - y, −1])/(2 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (I t y^2 Hypergeometric2F1[1, 2 + t - y, 2 - t - y, −1])/(2 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (I t^2 y^2 Hypergeometric2F1[1, 2 + t - y, 2 - t - y, −1])/(4 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (I t^3 y^2 Hypergeometric2F1[1, 2 + t - y, 2 - t - y, −1])/(4 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (5 I t^4 y^2 Hypergeometric2F1[1, 2 + t - y, 2 - t - y, −1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (3 I t^5 y^2 Hypergeometric2F1[1, 2 + t - y, 2 - t - y, −1])/ (8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (I t y^3 Hypergeometric2F1[1, 2 + t - y, 2 - t - y, −1])/(2 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (3 I t^2 y^3 Hypergeometric2F1[1, 2 + t - y, 2 - t - y, −1])/(4 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (I t^3 y^3 Hypergeometric2F1[1, 2 + t - y, 2 - t - y, −1])/(2 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (3 I t^4 y^3 Hypergeometric2F1[1, 2 + t - y, 2 - t - y, −1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (7 I y^4 Hypergeometric2F1[1, 2 + t - y, 2 - t - y, −1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (3 I t y^4 Hypergeometric2F1[1, 2 + t - y, 2 - t - y, −1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (7 I t^2 y^4 Hypergeometric2F1[1, 2 + t - y, 2 - t - y, −1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (3 I t^3 y^4 Hypergeometric2F1[1, 2 + t - y, 2 - t - y, −1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (I y^5 Hypergeometric2F1[1, 2 + t - y, 2 - t - y, −1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (I t y^5 Hypergeometric2F1[1, 2 + t - y, 2 - t - y, −1])/(4 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (3 I t^2 y^5 Hypergeometric2F1[1, 2 + t - y, 2 - t - y, −1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (3 I y^6 Hypergeometric2F1[1, 2 + t - y, 2 - t - y, −1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (I t y^6 Hypergeometric2F1[1, 2 + t - y, 2 - t - y, −1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (I y^7 Hypergeometric2F1[1, 2 + t - y, 2 - t - y, −1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (I t^2 Hypergeometric2F1[1, 3 + t - y, 3 - t - y, −1])/(4 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (I t^3 Hypergeometric2F1[1, 3 + t - y, 3 - t - y, −1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (I t^4 Hypergeometric2F1[1, 3 + t - y, 3 - t - y, −1])/(2 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (I t^5 Hypergeometric2F1[1, 3 + t - y, 3 - t - y, −1])/(4 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (I t^6 Hypergeometric2F1[1, 3 + t - y, 3 - t - y, −1])/(4 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (I t^7 Hypergeometric2F1[1, 3 + t - y, 3 - t - y, −1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (I t^2 y Hypergeometric2F1[1, 3 + t - y, 3 - t - y, −1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (I t^4 y Hypergeometric2F1[1, 3 + t - y, 3

- t - y, −1])/(4 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (I t^6 y Hypergeometric2F1[1, 3 + t - y, 3 - t - y, −1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (I y^2 Hypergeometric2F1[1, 3 + t - y, 3 - t - y, −1])/(4 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (I t y^2 Hypergeometric2F1[1, 3 + t - y, 3 - t - y, −1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (3 I t^4 y^2 Hypergeometric2F1[1, 3 + t - y, 3 - t - y, −1])/(4 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (3 I t^5 y^2 Hypergeometric2F1[1, 3 + t - y, 3 - t - y, −1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (I y^3 Hypergeometric2F1[1, 3 + t - y, 3 - t - y, −1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (3 I t^4 y^3 Hypergeometric2F1[1, 3 + t - y, 3 - t - y, −1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (I y^4 Hypergeometric2F1[1, 3 + t - y, 3 - t - y, −1])/(2 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (I t y^4 Hypergeometric2F1[1, 3 + t - y, 3 - t - y, −1])/(4 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (3 I t^2 y^4 Hypergeometric2F1[1, 3 + t - y, 3 - t - y, −1])/(4 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (3 I t^3 y^4 Hypergeometric2F1[1, 3 + t - y, 3 - t - y, −1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (I y^5 Hypergeometric2F1[1, 3 + t - y, 3 - t - y, −1])/(4 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (3 I t^2 y^5 Hypergeometric2F1[1, 3 + t - y, 3 - t - y, −1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (I y^6 Hypergeometric2F1[1, 3 + t - y, 3 - t - y, −1])/(4 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (I t y^6 Hypergeometric2F1[1, 3 + t - y, 3 - t - y, −1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (I y^7 Hypergeometric2F1[1, 3 + t - y, 3 - t - y, −1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (I t^2 Hypergeometric2F1[1, −1 + t + y, −1 - t + y, −1])/(4 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (I t^3 Hypergeometric2F1[1, −1 + t + y, −1 - t + y, −1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (I t^4 Hypergeometric2F1[1, −1 + t + y, −1 - t + y, −1])/(2 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (I t^5 Hypergeometric2F1[1, −1 + t + y, −1 - t + y, −1])/(4 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (I t^6 Hypergeometric2F1[1, −1 + t + y, −1 - t + y, −1])/(4 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (I t^7 Hypergeometric2F1[1, −1 + t + y, −1 - t + y, −1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (I t^2 y Hypergeometric2F1[1, −1 + t + y, −1 - t + y, −1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (I t^4 y Hypergeometric2F1[1, −1 + t + y, −1 - t + y, −1])/(4 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (I t^6 y Hypergeometric2F1[1, −1 + t + y, −1 - t + y, −1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (I y^2 Hypergeometric2F1[1, −1 + t + y, −1 - t + y, −1])/(4 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (I t y^2 Hypergeometric2F1[1, −1 + t + y, −1 - t + y, −1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (3 I t^4 y^2 Hypergeometric2F1[1, −1 + t + y, −1 - t + y, −1])/(4 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (3 I t^5 y^2 Hypergeometric2F1[1, −1 + t + y, −1 - t + y, −1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (I y^3 Hypergeometric2F1[1, −1 + t + y, −1 - t + y, −1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (3 I t^4 y^3 Hypergeometric2F1[1, −1 + t + y, −1 - t + y, −1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (I y^4 Hypergeometric2F1[1, −1 + t + y, −1 - t + y, −1])/(2 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (I t y^4 Hypergeometric2F1[1, −1 + t + y, −1 - t + y, −1])/(4 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (3 I t^2 y^4 Hypergeometric2F1[1, −1 + t + y, −1 - t + y, −1])/(4 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (3 I t^3 y^4 Hypergeometric2F1[1, −1 + t + y, −1 - t + y, −1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y)

$(-1 + t + y) (t + y) (1 + t + y)) + (I y^5$ Hypergeometric2F1$[1, -1 + t + y, -1 - t + y, -1])/(4 (-1 + t - y)$ $(t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (3 I t^2 y^5$ Hypergeometric2F1$[1, -1 + t + y, -1 - t + y, -1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y)$ $(-1 + t + y) (t + y) (1 + t + y)) + (I y^6$ Hypergeometric2F1$[1, -1 + t + y, -1 - t + y, -1])/(4 (-1 + t - y)$ $(t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (I t y^6$ Hypergeometric2F1$[1, -1$ $+ t + y, -1 - t + y, -1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t +$ $y)) - (I y^7$ Hypergeometric2F1$[1, -1 + t + y, -1 - t + y, -1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y)$ $(-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (I t^2$ Hypergeometric2F1$[1, t + y, -t + y, -1])/(2 (-1 + t -$ $y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (I t^3$ Hypergeometric2F1$[1, t$ $+ y, -t + y, -1])/(2 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (5 I$ t^4 Hypergeometric2F1$[1, t + y, -t + y, -1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t$ $+ y) (t + y) (1 + t + y)) + (5 I t^5$ Hypergeometric2F1$[1, t + y, -t + y, -1])/(8 (-1 + t - y) (t - y) (1 + t -$ $y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (I t^6$ Hypergeometric2F1$[1, t + y, -t + y, -1])/$ $(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (I t^7$ Hypergeometric2F1$[1, t + y, -t + y, -1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y)$ $(t + y) (1 + t + y)) - (I t^3 y$ Hypergeometric2F1$[1, t + y, -t + y, -1])/(2 (-1 + t - y) (t - y) (1 + t - y) (2 +$ $t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (7 I t^4 y$ Hypergeometric2F1$[1, t + y, -t + y, -1])/(8$ $(-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (I t^5 y$ Hypergeometric2F1$[1, t + y, -t + y, -1])/(4 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y)$ $(t + y) (1 + t + y)) - (I t^6 y$ Hypergeometric2F1$[1, t + y, -t + y, -1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 +$ $t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (I y^2$ Hypergeometric2F1$[1, t + y, -t + y, -1])/(2 (-1$ $+ t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (I t y^2$ Hypergeometric2F1$[1, t + y, -t + y, -1])/(2 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y)$ $(t + y) (1 + t + y)) - (I t^2 y^2$ Hypergeometric2F1$[1, t + y, -t + y, -1])/(4 (-1 + t - y) (t - y) (1 + t - y)$ $(2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (I t^3 y^2$ Hypergeometric2F1$[1, t + y, -t + y,$ $-1])/(4 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (5 I t^4 y^2$ Hypergeometric2F1$[1, t + y, -t + y, -1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y)$ $(t + y) (1 + t + y)) + (3 I t^5 y^2$ Hypergeometric2F1$[1, t + y, -t + y, -1])/(8 (-1 + t - y) (t - y) (1 + t -$ $y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (I t y^3$ Hypergeometric2F1$[1, t + y, -t + y,$ $-1])/(2 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (3 I t^2 y^3$ Hypergeometric2F1$[1, t + y, -t + y, -1])/(4 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y)$ $(t + y) (1 + t + y)) + (I t^3 y^3$ Hypergeometric2F1$[1, t + y, -t + y, -1])/(2 (-1 + t - y) (t - y) (1 + t - y)$ $(2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (3 I t^4 y^3$ Hypergeometric2F1$[1, t + y, -t + y,$ $-1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (7 I y^4$ Hypergeometric2F1$[1, t + y, -t + y, -1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y)$ $(t + y) (1 + t + y)) - (3 I t y^4$ Hypergeometric2F1$[1, t + y, -t + y, -1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2$ $+ t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (7 I t^2 y^4$ Hypergeometric2F1$[1, t + y, -t + y,$ $-1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (3 I t^3 y^4$ Hypergeometric2F1$[1, t + y, -t + y, -1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y)$ $(t + y) (1 + t + y)) - (I y^5$ Hypergeometric2F1$[1, t + y, -t + y, -1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t$ $- y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (I t y^5$ Hypergeometric2F1$[1, t + y, -t + y, -1])/(4 (-1$ $+ t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (3 I t^2 y^5$ Hypergeometric2F1$[1, t + y, -t + y, -1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y)$ $(t + y) (1 + t + y)) - (3 I y^6$ Hypergeometric2F1$[1, t + y, -t + y, -1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2$ $+ t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (I t y^6$ Hypergeometric2F1$[1, t + y, -t + y, -1])/(8$ $(-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (I y^7$ Hypergeometric2F1$[1, t + y, -t + y, -1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y)$ $(t + y) (1 + t + y)) + (I t$ Hypergeometric2F1$[1, 1 + t + y, 1 - t + y, -1])/(2 (-1 + t - y) (t - y) (1 + t - y)$ $(2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (9 I t^3$ Hypergeometric2F1$[1, 1 + t + y, 1 - t + y,$

−1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (3 I t^5 Hypergeometric2F1[1, 1 + t + y, 1 - t + y, −1])/(4 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (I t^7 Hypergeometric2F1[1, 1 + t + y, 1 - t + y, −1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (I y Hypergeometric2F1[1, 1 + t + y, 1 - t + y, −1])/(2 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (I t y Hypergeometric2F1[1, 1 + t + y, 1 - t + y, −1])/(2 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (9 I t^2 y Hypergeometric2F1[1, 1 + t + y, 1 - t + y, −1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (I t^3 y Hypergeometric2F1[1, 1 + t + y, 1 - t + y, −1])/((-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (3 I t^4 y Hypergeometric2F1[1, 1 + t + y, 1 - t + y, −1])/(4 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (I t^5 y Hypergeometric2F1[1, 1 + t + y, 1 - t + y, −1])/(2 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (I t^6 y Hypergeometric2F1[1, 1 + t + y, 1 - t + y, −1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (I y^2 Hypergeometric2F1[1, 1 + t + y, 1 - t + y, −1])/(2 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (7 I t y^2 Hypergeometric2F1[1, 1 + t + y, 1 - t + y, −1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (I t^2 y^2 Hypergeometric2F1[1, 1 + t + y, 1 - t + y, −1])/((-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (I t^3 y^2 Hypergeometric2F1[1, 1 + t + y, 1 - t + y, −1])/((-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (I t^4 y^2 Hypergeometric2F1[1, 1 + t + y, 1 - t + y, −1])/(2 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (3 I t^5 y^2 Hypergeometric2F1[1, 1 + t + y, 1 - t + y, −1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (7 I y^3 Hypergeometric2F1[1, 1 + t + y, 1 - t + y, −1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (I y^3 Hypergeometric2F1[1, 1 + t + y, 1 - t + y, −1])/((-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (I t^2 y^3 Hypergeometric2F1[1, 1 + t + y, 1 - t + y, −1])/((-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (I t^3 y^3 Hypergeometric2F1[1, 1 + t + y, 1 - t + y, −1])/((-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (3 I t^4 y^3 Hypergeometric2F1[1, 1 + t + y, 1 - t + y, −1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (I y^4 Hypergeometric2F1[1, 1 + t + y, 1 - t + y, −1])/((-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (I t y^4 Hypergeometric2F1[1, 1 + t + y, 1 - t + y, −1])/(4 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (I t^2 y^4 Hypergeometric2F1[1, 1 + t + y, 1 - t + y, −1])/((-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (3 I t^3 y^4 Hypergeometric2F1[1, 1 + t + y, 1 - t + y, −1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (I y^5 Hypergeometric2F1[1, 1 + t + y, 1 - t + y, −1])/(4 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (I t y^5 Hypergeometric2F1[1, 1 + t + y, 1 - t + y, −1])/(2 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (3 I t^2 y^5 Hypergeometric2F1[1, 1 + t + y, 1 - t + y, −1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (I y^6 Hypergeometric2F1[1, 1 + t + y, 1 - t + y, −1])/(2 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (I t y^6 Hypergeometric2F1[1, 1 + t + y, 1 - t + y, −1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (I y^7 Hypergeometric2F1[1, 1 + t + y, 1 - t + y, −1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (I t^2 Hypergeometric2F1[1, 2 + t + y, 2 - t + y, −1])/(2 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (I t^3 Hypergeometric2F1[1, 2 + t + y, 2 - t + y, −1])/(2 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (5 I t^4 Hypergeometric2F1[1, 2 + t + y, 2 - t + y, −1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (5 I t^5 Hypergeometric2F1[1, 2 + t + y, 2 - t + y, −1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (I t^6 Hypergeometric2F1[1, 2 + t + y, 2 - t + y, −1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (I t^7 Hypergeometric2F1[1, 2 + t +

y, 2 - t + y, −1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (I t^2 y Hypergeometric2F1[1, 2 + t + y, 2 - t + y, −1])/((-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (3 I t^3 y Hypergeometric2F1[1, 2 + t + y, 2 - t + y, −1])/(2 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (I t^4 y Hypergeometric2F1[1, 2 + t + y, 2 - t + y, −1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (3 I t^5 y Hypergeometric2F1[1, 2 + t + y, 2 - t + y, −1])/(4 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (I t^6 y Hypergeometric2F1[1, 2 + t + y, 2 - t + y, −1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (I y^2 Hypergeometric2F1[1, 2 + t + y, 2 - t + y, −1])/(2 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (I t y^2 Hypergeometric2F1[1, 2 + t + y, 2 - t + y, −1])/(2 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (3 I t^2 y^2 Hypergeometric2F1[1, 2 + t + y, 2 - t + y, −1])/(4 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (9 I t^3 y^2 Hypergeometric2F1[1, 2 + t + y, 2 - t + y, −1])/(4 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (3 I t^4 y^2 Hypergeometric2F1[1, 2 + t + y, 2 - t + y, −1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (3 I t^5 y^2 Hypergeometric2F1[1, 2 + t + y, 2 - t + y, −1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (I y^3 Hypergeometric2F1[1, 2 + t + y, 2 - t + y, −1])/((-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (3 I t y^3 Hypergeometric2F1[1, 2 + t + y, 2 - t + y, −1])/(2 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (3 I t^2 y^3 Hypergeometric2F1[1, 2 + t + y, 2 - t + y, −1])/(4 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (3 I t^3 y^3 Hypergeometric2F1[1, 2 + t + y, 2 - t + y, −1])/(2 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (3 I t^4 y^3 Hypergeometric2F1[1, 2 + t + y, 2 - t + y, −1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (I y^4 Hypergeometric2F1[1, 2 + t + y, 2 - t + y, −1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (13 I t y^4 Hypergeometric2F1[1, 2 + t + y, 2 - t + y, −1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (9 I t^2 y^4 Hypergeometric2F1[1, 2 + t + y, 2 - t + y, −1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (3 I t^3 y^4 Hypergeometric2F1[1, 2 + t + y, 2 - t + y, −1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (7 I y^5 Hypergeometric2F1[1, 2 + t + y, 2 - t + y, −1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (3 I t y^5 Hypergeometric2F1[1, 2 + t + y, 2 - t + y, −1])/(4 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (3 I t^2 y^5 Hypergeometric2F1[1, 2 + t + y, 2 - t + y, −1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) + (5 I y^6 Hypergeometric2F1[1, 2 + t + y, 2 - t + y, −1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (I y^6 Hypergeometric2F1[1, 2 + t + y, 2 - t + y, −1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)) - (I y^7 Hypergeometric2F1[1, 2 + t + y, 2 - t + y, −1])/(8 (-1 + t - y) (t - y) (1 + t - y) (2 + t - y) (-2 + t + y) (-1 + t + y) (t + y) (1 + t + y)))