

Gröbner basis found for example-C4.mws

```
> map(print, GB,
"-----"
"-----");
2 ξ y x w2 + η w2 x2 - 3 η y2 w2 - η z3 w - 3 ζ y z2 w + 5 ζ z4 + 2 ω y w x2 - 2 ω y3 w
- ω y z3,
"-----"
y w2 x2 - y3 w2 - y z3 w + z5,
"-----"
2 y x w ξ z2 + z2 η w x2 - 3 z2 η y2 w - z3 y η w + x2 η y w2 - y3 η w2 + 2 y ζ z4
- 5 x2 w y ζ z + 5 y3 ζ z w + 2 y z2 x2 ω - 2 z2 y3 ω - z3 y2 ω + x2 ω y2 w - w y4 ω,
"-----"
-w y5 ω + 4 z y5 ω - y2 η z4 + y3 ζ z3 + 2 z4 y2 ζ - z2 y4 ω - x2 z4 η - w y2 η z3
+ y3 x2 ω w - y3 ω z3 + 4 x4 z y ω + x2 z2 y2 ω + 4 x3 ξ z y w - 8 x2 z y2 η w - 10 x4 ζ y w
- 8 x2 z y3 ω + 20 x2 y3 ζ w - x2 ζ y z3 + 2 x4 z η w + 6 y4 z η w - 2 z x2 ζ y2 w
+ 2 z y4 ζ w + 2 y x ξ z4 + z2 x2 y η w - z2 y3 η w - 4 y3 x ξ z w - 10 y5 ζ w + x2 η y2 w2
- y4 η w2,
"-----"
ω2 z y5 - 2 w y3 ω z x ξ + 2 w y4 ω η z + 3 w y3 ω x2 ζ - 3 w y5 ω ζ - ω2 z y3 x2
+ 4 x4 y2 ω2 + 100 x2 y3 ζ2 w - 8 x2 y4 ω2 + 4 y6 ω2 + 2 y2 ω x ξ z3 + 11 y4 ω ζ z2
- y3 ω η z3 - 40 x2 ζ z y2 η w + 10 x4 ζ z η w - x2 y ω z3 η + 4 x3 y2 ω w ξ
- 40 x2 y3 ω ζ z - 8 x2 y3 ω η w - 11 x2 y2 ω z2 ζ + 20 x3 ζ ξ z y w - 10 x2 ζ z4 η
- 50 x4 ζ2 y w + 20 x4 y ω ζ z + 2 x4 y ω η w - 4 y4 ω x w ξ - 20 y3 ζ x ξ z w
+ 30 y4 ζ z η w + 10 y2 ζ z4 η - 50 y5 ζ2 w - 20 y3 ζ2 z3 + 20 y5 ω ζ z + 6 y5 ω η w
+ 20 x2 ζ2 y z3,
"-----"
-2 κ y x w2 - λ w2 x2 + 3 λ y2 w2 + λ z3 w + 3 μ y z2 w - 5 μ z4 - 2 v y w x2 + 2 v y3 w
+ v y z3 + 1,
"-----"
2 z2 v y w x2 - 2 z2 v y3 w - v y2 w2 x2 + v y4 w2 - 3 z4 μ y w - 5 z μ y w2 x2 + 5 z μ y3 w2
+ 3 y2 w2 μ z2 + z2 λ w2 x2 - 3 z2 λ y2 w2 + 2 y3 w3 λ + 2 z2 κ y x w2 - 2 y2 w3 κ x - z2
+ y w, "-----"
40 x2 ω μ z4 - 20 y ζ z + 8 x4 ω λ w2 - 8 x2 ω λ z3 w - 20 x2 ω λ y2 w2 + 8 x3 ω κ y w2
- 8 x2 ω - 12 x2 ω μ y z2 w - 8 y3 ω κ x w2 + 12 y3 ω μ z2 w + 2 y2 ω λ z3 w
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$$\begin{aligned}
& + 16 \eta w^3 \mu y x^2 - 16 \eta w^3 \mu y^3 - 2 z y \omega \lambda w^2 x^2 - 4 z y^2 \omega \kappa x w^2 - 10 z^3 y^2 \omega \mu w \\
& + 2 z^4 y \omega \lambda w + 6 z y^3 \omega \lambda w^2 + 8 y^2 \omega + 2 z y \omega + 10 \eta y w - 100 y^2 \zeta \mu w^2 x^2 \\
& + 100 y^4 \zeta \mu w^2 + 2 z \eta w + 40 y^2 \zeta z \kappa x w^2 + 20 y \zeta z \lambda w^2 x^2 - 60 y^3 \zeta z \lambda w^2 \\
& + 10 y \zeta z^4 \lambda w + 40 y^2 \zeta z^3 \mu w + 40 y^2 \zeta z v w x^2 - 40 y^4 \zeta z v w - 40 y^2 \omega \mu z^4 \\
& + 12 y^4 \omega \lambda w^2 - 5 \zeta y w + 10 z^2 \zeta \kappa y x w^2 - z^2 \zeta \lambda w^2 x^2 - 15 z^2 \zeta \lambda y^2 w^2 \\
& + 35 z^4 \zeta \mu y w + z^2 \zeta - 4 x w \xi + 4 \zeta \lambda w^3 y x^2 - 4 \zeta \lambda w^2 y z^3 + 16 y^2 \omega \mu w^2 x^2 \\
& - 16 y^4 \omega \mu w^2 + 10 \zeta y^2 w^3 \kappa x + 5 \zeta v y^2 w^2 x^2 - 25 \zeta z \mu y w^2 x^2 + 25 \zeta z \mu y^3 w^2 \\
& - 15 \zeta y^2 w^2 \mu z^2 - 5 \zeta v y^4 w^2 - 14 \zeta y^3 w^3 \lambda - 2 v z x^2 \omega y^2 w + 2 v z w y^4 \omega \\
& - 2 v z x^2 \eta y w^2 + 2 v z y^3 \eta w^2 + 6 v z^3 \eta w x^2 + 20 x w \xi \mu z^4 - 4 x w^2 \xi \lambda z^3 \\
& + 4 x^3 w^3 \xi \lambda + 8 v y^5 \omega w + 8 v y^4 \eta w^2 + 8 x^4 v \omega y w - 16 x^2 v \omega y^3 w - 20 x^2 v \zeta z^4 \\
& - 4 x^2 v \eta y^2 w^2 - 4 x^4 v \eta w^2 + 12 \eta y^3 w^3 \lambda + 6 z \eta w^3 \lambda y^2 - 10 z^3 \eta w^2 \mu y \\
& - 4 z \eta w^3 \kappa y x + 6 \mu z^2 \eta w^2 x^2 - 2 z \eta w^3 \lambda x^2 + 2 z^4 \eta w^2 \lambda - 8 \eta y^2 w^3 \kappa x \\
& - 4 \eta y w^3 \lambda x^2 + 4 \eta y w^2 \lambda z^3 + 12 \eta y^2 w^2 \mu z^2 - 50 \eta y w \mu z^4 - 4 x^3 w^3 \kappa \eta \\
& + 4 x w^2 \kappa \eta z^3 - 20 x w \kappa \zeta z^4 + 4 x w \kappa \omega y z^3,
\end{aligned}$$

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$$\begin{aligned}
& 3 v y^2 x \zeta z^2 w + x \eta w + 3 x \eta w^3 \lambda y^2 + x \eta w^2 \lambda z^3 + 3 x \eta w^2 \mu y z^2 - 2 \xi y w \\
& - x^3 \eta w^3 \lambda - 2 x^2 \eta w^3 \kappa y + 4 y^3 w^3 \kappa \eta + 2 y^4 w^2 \kappa \omega + 6 y^2 w^2 \kappa \zeta z^2 + 3 x \zeta z \lambda y^2 w^2 \\
& + x \zeta z^4 \lambda w - 12 x \zeta z^3 \mu y w - 12 x^2 \zeta z \kappa y w^2 - x^3 \zeta z \lambda w^2 + x \zeta z + 2 z^2 \kappa \eta w^2 x^2 \\
& - 6 z^2 \kappa \eta y^2 w^2 - 6 z^4 \kappa \zeta y w + 4 z^2 \kappa \omega y w x^2 - 4 z^2 \kappa \omega y^3 w - 4 x^2 y^2 \omega \kappa w^2 \\
& - x^3 y \omega \lambda w^2 + 3 x y^3 \omega \lambda w^2 + x y \omega \lambda z^3 w + 3 x y^2 \omega \mu z^2 w + x y \omega + 10 z \kappa \zeta y^3 w^2 \\
& - 5 z \mu x^3 \eta w^2 + 15 z \mu x \eta y^2 w^2 + 10 z \mu x \omega y^3 w - 10 z \mu x^3 \omega y w - 30 x \zeta \mu y^3 w^2 \\
& + 30 x^3 \zeta \mu y w^2 + 4 \xi z^2 v y^3 w - 2 \xi v y^4 w^2 + 2 \xi z^2 + 2 x v w y^4 \omega - 2 x^3 v \omega y^2 w \\
& + 4 x^3 v y z^2 \omega - 4 x v z^2 y^3 \omega - 12 x^3 v w y \zeta z + 12 x v y^3 \zeta z w - x^3 v \eta y w^2 \\
& + 2 x^3 v z^2 \eta w - 6 x v z^2 \eta y^2 w + 6 \xi z^2 \lambda y^2 w^2 - 6 \xi y^2 w^2 \mu z^2 - 2 \xi z^2 \lambda w^2 x^2 \\
& - 10 \xi z \mu y^3 w^2 - 4 \xi y^3 w^3 \lambda + 6 \xi z^4 \mu y w + 3 x v y^3 \eta w^2,
\end{aligned}$$

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$$\begin{aligned}
& -4 y \zeta z - 2 x^2 \omega \lambda y^2 w^2 - 4 y^3 \omega \kappa x w^2 + 6 y^3 \omega \mu z^2 w + 2 y^2 \omega \lambda z^3 w \\
& + 4 y \eta z \lambda w^2 x^2 + 8 y^2 \eta z \kappa x w^2 - 4 y \eta z^4 \lambda w - 12 y^3 \eta z \lambda w^2 + 18 y^2 \eta z^3 \mu w \\
& + 2 y \eta z + 2 y^2 \omega - \eta z \mu y^3 w^2 + 20 \mu y^4 \eta w^2 + 20 \mu y^5 \omega w + \eta z^2 + \eta z \mu y w^2 x^2 \\
& - \eta z^2 \lambda w^2 x^2 + 3 \eta z^2 \lambda y^2 w^2 - 2 \eta z^2 \kappa y x w^2 + \eta y w - 12 y^2 \zeta \mu w^2 x^2 + 12 y^4 \zeta \mu w^2 \\
& + 12 z \lambda y^2 \omega w x^2 - 12 z \lambda y^4 \omega w - 6 z^4 \lambda y^2 \omega + 16 x^3 \zeta \kappa y w^2 - 22 x^2 \zeta \lambda y^2 w^2 \\
& + 2 x^2 \zeta \lambda z^3 w - 4 x^2 \zeta \mu y z^2 w - 2 x^4 \zeta \lambda w^2 + 40 x^2 \zeta \mu z^4 + 8 y^2 \zeta z \kappa x w^2 \\
& + 4 y \zeta z \lambda w^2 x^2 - 12 y^3 \zeta z \lambda w^2 - 4 y \zeta z^4 \lambda w + 4 y^2 \zeta z v w x^2 - 4 y^4 \zeta z v w \\
& - 6 y^2 \omega \mu z^4 + 24 y^4 \zeta \lambda w^2 + 4 y^3 \zeta \mu z^2 w - 40 y^2 \zeta \mu z^4 + 10 y^2 \zeta \lambda z^3 w
\end{aligned}$$

$$\begin{aligned}
& -16y^3\zeta\kappa xw^2+6y^4\omega\lambda w^2+2x^2\zeta-2vz^2y^4\omega-2vx^2z^4\eta+8vzy^5\omega \\
& -16zx\xi vy^3w+16zx^3\xi vyw-4z^4x\xi\lambda w+4zx^3\xi\lambda w^2+16vy^4z\eta w-2y^2\zeta \\
& -24vy^5\zeta w+4vx^4z\eta w-16vx^2zy^3\omega+48vx^2y^3\zeta w-20vx^2zy^2\eta w \\
& -24vx^4\zeta yw+8vx^4zy\omega+2vx^2z^2y^2\omega+2vy^5\omega w+vy^4\eta w^2-2x^2v\omega y^3w \\
& -x^2v\eta y^2w^2+4\eta y^3w^3\lambda-4zx^3\kappa\eta w^2-4zx\xi-8zx^3\kappa\omega yw+8zx\kappa\omega y^3w \\
& +4z^4x\kappa\omega y+4z^4x\kappa\eta w-2\eta y^2w^3\kappa x-2\eta yw^3\lambda x^2+2\eta yw^2\lambda z^3 \\
& +3\eta y^2w^2\mu z^2-3\eta yw\mu z^4-8z^3x\kappa\zeta yw-18z^3\mu yx^2\omega-4z\mu x^2\omega y^2w \\
& +4z\mu wy^4\omega-14z^3\mu\eta wx^2+18z^3\mu y^3\omega+20x^4\mu\omega yw-40x^2\mu\omega y^3w \\
& -30x^2\mu\eta y^2w^2+10x^4\mu\eta w^2,
\end{aligned}$$

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$$\begin{aligned}
& 2w^3x^4\lambda-2wx^2+2y^2w-3\mu y^4w^3+zyw-z^3+6y^4w^3\lambda+4y^5w^2v-8w^3x^2\lambda y^2 \\
& -w^2x^2\lambda z^3+10wx^2\mu z^4+4w^2x^4vy-8w^2x^2vy^3+11z^2\mu y^3w^2-z^3\lambda y^2w^2 \\
& +zv y^4w^2+2zy^3w^3\lambda-4y^3w^3\kappa x-10y^2w\mu z^4+4w^3x^3\kappa y-11w^2x^2\mu yz^2 \\
& +2z^3\kappa yxw^2-zvy^2w^2x^2-2zy^2w^3\kappa x+3\mu y^2w^3x^2,
\end{aligned}$$

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$$\begin{aligned}
& 8y\omega x\xi+80\omega^2\mu zy^5-90y^2\zeta^2+90x^2\zeta^2+16y^2\omega^2x^3\kappa w-16y^4\omega^2x\kappa w \\
& -8y^2\omega^2x\kappa z^3-8y\omega x\kappa\eta z^3w-24y^2\omega x\kappa\zeta z^2w+16x^3\omega\eta\kappa yw^2 \\
& -4x^2\omega\eta\mu yz^2w-12x^2\omega\eta\lambda z^3w-4x^2\omega\eta-32x^2\omega\eta\lambda y^2w^2+8x^4\omega\eta\lambda w^2 \\
& -4y^2\omega\eta+10y^2\omega\zeta-32vy^5\omega\eta w+32vx^2y^3\omega\eta w-32vx^3y^2\omega w\xi \\
& +32vy^4\omega xw\xi+4v\omega^2zy^3x^2-16vx^4y^2\omega^2+32vx^2y^4\omega^2+8vw y^3\omega zx\xi \\
& -8vw y^4\omega\eta z-16vy^6\omega^2-15\zeta\eta yw\mu z^4-110\zeta z^3\mu yx^2\omega-70\zeta z^3\mu\eta wx^2 \\
& +110\zeta z^3\mu y^3\omega-100\zeta x^4\mu\omega yw+20\zeta z^4x\kappa\eta w-10\zeta\eta y^2w^3\kappa x \\
& -10\zeta\eta yw^3\lambda x^2+10\zeta\eta yw^2\lambda z^3-40\zeta zx^3\kappa\omega yw+40\zeta zx\kappa\omega y^3w \\
& -20\zeta zx^3\kappa\eta w^2+60\zeta z^4x\kappa\omega y+15\zeta\eta y^2w^2\mu z^2+200\zeta x^2\mu\omega y^3w \\
& +50\zeta x^2\mu\eta y^2w^2+50\zeta x^4\mu\eta w^2-20\zeta vx^2zy^2\eta w-40\zeta vx^4zy\omega \\
& +20\zeta zx^3\xi\lambda w^2+40\zeta vy^4z\eta w-20\zeta vx^4z\eta w-54\zeta vz^2y^4\omega+30\zeta vx^2z^4\eta \\
& -40\zeta vzzy^5\omega+22\zeta vy^5\omega w-10\zeta\eta z^2\kappa yxw^2+60\zeta z\lambda y^2\omega wx^2 \\
& -60\zeta z\lambda y^4\omega w-90\zeta z^4\lambda y^2\omega-14\zeta y^2\omega\mu z^4-20\zeta zx\xi+15\zeta\eta z^2\lambda y^2w^2 \\
& +22\zeta y^4\omega\lambda w^2-20\zeta z^4x\xi\lambda w+80\zeta vx^2zy^3\omega+54\zeta vx^2z^2y^2\omega+5\zeta vy^4\eta w^2 \\
& -22\zeta x^2v\omega y^3w-5\zeta x^2v\eta y^2w^2+20\zeta\eta y^3w^3\lambda-5\zeta\eta z\mu y^3w^2 \\
& -100\zeta\mu y^4\eta w^2-100\zeta\mu y^5\omega w+5\zeta\eta z\mu yw^2x^2-5\zeta\eta z^2\lambda w^2x^2 \\
& -20\zeta y\eta z\lambda w^2x^2-40\zeta y^2\eta z\kappa xw^2+20\zeta y\eta z^4\lambda w+2\zeta y^2\omega\lambda z^3w \\
& +60\zeta y^3\eta z\lambda w^2+10\zeta y^2\eta z^3\mu w+50\zeta y\eta z+5\zeta\eta yw-4v\omega^2zy^5
\end{aligned}$$

$$\begin{aligned}
& -40 z^3 x \kappa \zeta^2 y w - 2 \zeta x^2 \omega \lambda y^2 w^2 - 20 \zeta y^3 \omega \kappa x w^2 + 30 \zeta y^3 \omega \mu z^2 w \\
& -20 y \zeta^2 z^4 \lambda w + 20 y^2 \zeta^2 z v w x^2 - 20 y^4 \zeta^2 z v w - 60 y^3 \zeta^2 z \lambda w^2 - 220 y^3 \zeta^2 \mu z^2 w \\
& -30 y^2 \zeta^2 \lambda z^3 w + 80 y^3 \zeta^2 \kappa x w^2 + 160 v x^2 y^3 \zeta^2 w - 80 v x^4 \zeta^2 y w - 80 x^3 \zeta^2 \kappa y w^2 \\
& + 210 x^2 \zeta^2 \lambda y^2 w^2 + 90 x^2 \zeta^2 \lambda z^3 w + 220 x^2 \zeta^2 \mu y z^2 w + 40 y^2 \zeta^2 z \kappa x w^2 \\
& + 20 y \zeta^2 z \lambda w^2 x^2 - 60 y^2 \zeta^2 \mu w^2 x^2 + 60 y^4 \zeta^2 \mu w^2 - 90 x^4 \zeta^2 \lambda w^2 - 200 x^2 \zeta^2 \mu z^4 \\
& -120 y^4 \zeta^2 \lambda w^2 + 200 y^2 \zeta^2 \mu z^4 - 80 v y^5 \zeta^2 w + 5 \zeta \eta z^2 - 20 y \zeta^2 z + 80 \omega^2 \mu x^4 z y \\
& -160 \omega^2 \mu x^2 z y^3 - 80 \omega \mu y^3 x \xi z w + 8 \omega \mu x^2 \eta y^2 w^2 - 8 \omega \mu y^4 \eta w^2 \\
& + 40 \omega \mu x^4 z \eta w + 120 \omega \mu y^4 z \eta w - 4 \omega^2 \mu x^2 z^2 y^2 + 80 \omega \mu x^3 \xi z y w \\
& -160 \omega \mu x^2 z y^2 \eta w - 8 \omega \mu w y^2 \eta z^3 + 8 \omega^2 \mu y^3 x^2 w - 8 \omega^2 \mu y^3 z^3 + 4 \omega^2 \mu z^2 y^4 \\
& -8 \omega^2 \mu w y^5 - 4 \omega \lambda z x^2 \eta y w^2 + 4 \omega \lambda z y^3 \eta w^2 + 20 \omega^2 \lambda z^3 y^3 + 4 \omega^2 \lambda z^4 y^2 \\
& + 8 \omega \lambda z^2 x^2 w y \xi + 16 \omega \lambda z^2 y^3 \xi w - 12 \omega^2 \lambda z^3 y x^2 - 4 \omega^2 \lambda z x^2 y^2 w \\
& + 4 \omega^2 \lambda z w y^4 + 4 \omega \lambda z^4 y \eta w - 16 y^3 \omega \eta \kappa x w^2 + 24 y^4 \omega \eta \lambda w^2 + 20 y^2 \omega \eta \lambda z^3 w \\
& + 4 y^3 \omega \eta \mu z^2 w + 20 \omega x^2 \lambda \zeta z^4 + 8 \omega^2 x^4 \lambda y w - 32 \omega^2 x^2 \lambda y^3 w + 24 y^5 \omega^2 \lambda w,
\end{aligned}$$

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$$\begin{aligned}
& -10 x^2 \zeta z^4 \lambda w - 10 x^2 \zeta z^3 \mu y w + 40 x^4 \zeta z v y w + 40 x^3 \zeta z \kappa y w^2 + 20 x^4 \zeta z \lambda w^2 \\
& -20 x^2 \zeta z + 5 \zeta y^2 w - 2 z y^2 \omega + 20 y^2 \zeta z + 2 \eta w x^2 - 6 \eta y^2 w + 8 y x^2 \omega - z^2 y \zeta \\
& -8 y^3 \omega - 2 z^3 \eta - 100 x^4 \zeta \mu y w^2 + 22 x^2 \omega \mu y^2 z^2 w - 8 x^3 \omega \kappa y^2 w^2 \\
& + 16 x^2 \omega \lambda y^3 w^2 - 5 \zeta z \mu y^4 w^2 - 5 \zeta v y^3 w^2 x^2 - 10 \zeta y^3 w^3 \kappa x + 5 \zeta v y^5 w^2 \\
& + 5 \zeta z \mu y^2 w^2 x^2 + 6 y^5 \omega \mu w^2 - 10 z^2 \zeta \kappa y^2 x w^2 - 6 y^3 \omega \mu w^2 x^2 - 15 z^4 \zeta \mu y^2 w \\
& -12 y^5 \omega \lambda w^2 + 20 y^3 \omega \mu z^4 - 80 y^3 \zeta z v w x^2 + 5 z^2 \zeta \lambda y^3 w^2 + 40 y^5 \zeta z v w \\
& + 10 y^3 \zeta z^3 \mu w - 10 y^2 \zeta z^4 \lambda w + 60 y^4 \zeta z \lambda w^2 - 80 y^2 \zeta z \lambda w^2 x^2 - 40 y^3 \zeta z \kappa x w^2 \\
& + 4 z y^3 \omega \kappa x w^2 + 200 y^3 \zeta \mu w^2 x^2 - 100 y^5 \zeta \mu w^2 - 4 z y^4 \omega \lambda w^2 + 2 y^3 \omega \lambda z^3 w \\
& -22 y^4 \omega \mu z^2 w + 8 y^4 \omega \kappa x w^2 + 5 y z^2 \zeta \lambda w^2 x^2 + 4 y x w \xi + 2 y x^2 \omega \lambda z^3 w \\
& -4 x w \kappa \omega y^2 z^3 - 4 y x^4 \omega \lambda w^2 - 20 y x^2 \omega \mu z^4 + 16 x^2 v \omega y^4 w - 8 x^4 v \omega y^2 w \\
& -8 v y^6 \omega w - 2 v z w y^5 \omega + 2 v z x^2 \omega y^3 w + 15 \zeta y^3 w^2 \mu z^2 + 10 \zeta y^4 w^3 \lambda \\
& + 20 y x w \kappa \zeta z^4,
\end{aligned}$$

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$$\begin{aligned}
& -40 x^2 \zeta z^4 \lambda w + 100 x^4 \zeta z \lambda w^2 - 100 x^2 \zeta z - 12 z y^2 \omega + 100 y^2 \zeta z + 22 \eta w x^2 \\
& + 34 \eta y^2 w + 68 y x^2 \omega + 24 z^2 y \zeta - 68 y^3 \omega - 200 z \mu y^5 \omega w - 80 y \eta z^2 \\
& + 100 y^4 \eta z \mu w^2 + 20 y \eta z^2 \lambda w^2 x^2 - 60 y^3 \eta z^2 \lambda w^2 + 5 z^2 \eta \mu y w^2 x^2 + 5 z \eta y w \\
& -5 z^3 \eta \lambda y^2 w^2 + 15 z^3 \eta \lambda w^2 x^2 - 5 z \eta v y^2 w^2 x^2 + 115 z^2 \eta \mu y^3 w^2 + 5 z \eta v y^4 w^2 \\
& -17 z^3 \eta - 15 \eta w^3 \mu y^4 + 252 x^2 \omega \mu y^2 z^2 w - 128 x^3 \omega \kappa y^2 w^2 + 196 x^2 \omega \lambda y^3 w^2 \\
& -10 z \eta y^2 w^3 \kappa x + 10 z^3 \eta \kappa y x w^2 + 36 y^5 \omega \mu w^2 - 36 y^3 \omega \mu w^2 x^2 - 152 y^5 \omega \lambda w^2
\end{aligned}$$

$$\begin{aligned}
& + 240 y^3 \omega \mu z^4 - 100 y^2 \zeta z \lambda w^2 x^2 + 24 z y^3 \omega \kappa x w^2 - 24 z y^4 \omega \lambda w^2 \\
& + 15 \eta w^3 \mu y^2 x^2 + 12 y^3 \omega \lambda z^3 w - 252 y^4 \omega \mu z^2 w + 128 y^4 \omega \kappa x w^2 - 20 y x^3 w^3 \kappa \eta \\
& - 16 y x w \xi + 32 y x^2 \omega \lambda z^3 w - 24 x w \kappa \omega y^2 z^3 - 44 y x^4 \omega \lambda w^2 - 240 y x^2 \omega \mu z^4 \\
& - 110 \eta y^2 w \mu z^4 + 20 \eta y^2 w^3 \lambda x^2 - 60 \eta y^3 w^3 \kappa x + 70 \eta y^4 w^3 \lambda - 40 x^2 v \eta y^3 w^2 \\
& + 176 x^2 v \omega y^4 w - 88 x^4 v \omega y^2 w + 40 v y^5 \eta w^2 - 88 v y^6 \omega w - 12 v z w y^5 \omega \\
& + 12 v z x^2 \omega y^3 w - 120 z^2 \lambda y^2 \omega w x^2 + 120 z^2 \lambda y^4 \omega w - 10 \eta w x^2 \mu z^4 \\
& + 10 \eta z y^3 w^3 \lambda + 40 x z^2 \kappa \eta y^2 w^2 - 80 x z^2 \kappa \omega y^3 w + 40 x^4 v z^2 \eta w - 40 \xi z^2 \lambda w^2 x^3 \\
& - 200 z \mu x^4 \omega y w + 400 z \mu x^2 \omega y^3 w + 80 x^4 v y z^2 \omega - 100 z \mu x^4 \eta w^2 \\
& + 80 z^2 \kappa \omega y w x^3 + 40 z^2 \kappa \eta w^2 x^3 - 10 x^4 \eta w^3 \lambda + 80 v y^5 z^2 \omega - 40 v y^4 z^2 \eta w \\
& - 160 v y^3 z^2 x^2 \omega + 40 x \xi z^2,
\end{aligned}$$

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$$\begin{aligned}
& 10 z^2 x^2 \zeta \kappa y w^2 + 35 z^4 x \zeta \mu y w + 12 z^2 x \zeta \lambda y^2 w^2 + 16 z^2 x \zeta - 16 z^2 x^3 \zeta \lambda w^2 \\
& - 20 w x^2 \kappa \zeta z^4 - 4 w^3 x^4 \kappa \eta - 4 \xi w x^2 - 36 y^4 w^3 \kappa \eta - 24 y^5 w^2 \kappa \omega \\
& - 66 y^3 w^2 \kappa \zeta z^2 + 60 y^2 w \kappa \zeta z^4 - 12 z y^3 w^3 \kappa \eta - 6 z y^4 w^2 \kappa \omega + 10 x^2 \zeta y^2 w^3 \kappa \\
& + 25 x \zeta z \mu y^3 w^2 - 15 x \zeta y^2 w^2 \mu z^2 - 26 x \zeta y^3 w^3 \lambda - 5 x \zeta v y^4 w^2 - 25 x^3 \zeta z \mu y w^2 \\
& + 5 x^3 \zeta v y^2 w^2 - 14 x \zeta y w + 21 x^3 \mu z^2 \eta w^2 + 160 x^2 y^2 \zeta z \kappa w^2 - 80 x y \zeta z \\
& + 7 \mu y w^3 x^3 \eta + 11 \mu y^3 w^3 x \eta - 2 \mu y^2 w^2 x^3 \omega + 2 \mu y^4 w^2 x \omega - 160 x y^4 \zeta z v w \\
& + 160 x^3 y^2 \zeta z v w + 160 x y^2 \zeta z^3 \mu w - 240 x y^3 \zeta z \lambda w^2 + 80 x^3 y \zeta z \lambda w^2 \\
& + 18 \kappa \zeta y^4 w^3 + 2 x \zeta y w^2 \lambda z^3 - 2 x^3 \zeta y w^3 \lambda + 4 x^3 \omega - 4 x^5 \omega \lambda w^2 - 20 x^3 \omega \mu z^4 \\
& + 28 x^3 \omega \lambda y^2 w^2 + 4 x^3 \omega \lambda z^3 w + 54 x^3 \omega \mu y z^2 w - 18 x y^3 \omega \mu z^2 w - 40 x y^2 \omega \mu z^4 \\
& + 8 x y^2 \omega - 400 x^3 y^2 \zeta \mu w^2 + 400 x y^4 \zeta \mu w^2 + 20 x^3 v \eta y^2 w^2 - z^4 y x \omega \lambda w \\
& - 10 z^3 y^2 x \omega \mu w - 3 z y^3 x \omega \lambda w^2 + 12 y^2 w \xi - 4 x^5 v \eta w^2 - 20 x^3 v \zeta z^4 \\
& + 4 \xi w^3 x^4 \lambda - 18 \xi \mu y^4 w^3 + 6 \xi z y w + 36 \xi y^4 w^3 \lambda + 24 \xi y^5 w^2 v + z y x^3 \omega \lambda w^2 \\
& - 40 x v y^4 \eta w^2 - 36 x v y^3 \zeta z^2 w - z y x \omega + 66 \xi z^2 \mu y^3 w^2 - 6 \xi z^3 \lambda y^2 w^2 \\
& + 6 \xi z v y^4 w^2 + 12 \xi z y^3 w^3 \lambda - 60 \xi y^2 w \mu z^4 + 2 \xi w^2 x^2 \lambda z^3 + 20 \xi w x^2 \mu z^4 \\
& - 6 \xi z^3 - z x \eta w + 2 z x^2 \eta w^3 \kappa y + z x^3 \eta w^3 \lambda - 3 z x \eta w^3 \lambda y^2 - z^4 x \eta w^2 \lambda \\
& - 10 z^3 x \eta w^2 \mu y + z v y x^3 \eta w^2 - 7 z v y^3 x \eta w^2 - 2 z^3 \kappa \eta w^2 x^2 + 6 z^3 \kappa \eta y^2 w^2 \\
& - 51 x y^2 \eta w^2 \mu z^2 - 20 x y \eta w \mu z^4 + 4 x y \eta w - 16 x^4 \omega \kappa y w^2 + 32 x^3 v \omega y^3 w \\
& + 16 \eta y^2 w^3 \kappa x^2 + 8 \eta y w^3 \lambda x^3 - 8 x^2 w \kappa \omega y z^3 - 4 x y^2 \omega \lambda z^3 w + 4 v z x^3 \omega y^2 w \\
& - 16 x^5 v \omega y w - 20 x y \zeta z^4 \lambda w + 16 y^3 \omega \kappa x^2 w^2 + 8 z y^2 \omega \kappa x^2 w^2 - 4 x v z w y^4 \omega \\
& - 16 x v y^5 \omega w - 24 x \eta y^3 w^3 \lambda - 8 x \eta y w^2 \lambda z^3,
\end{aligned}$$

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$$\begin{aligned}
& 40 \mu y^4 w^2 x^2 \omega - 20 \mu y^2 w^2 x^4 \omega + 8 z y^3 \omega + \omega y^3 w + 4 z y x^4 \omega \lambda w^2 \\
& - 16 z y^3 x^2 \omega \lambda w^2 - 2 z^3 y^2 x^2 \omega \mu w - 2 z^4 y x^2 \omega \lambda w + 10 x^2 \zeta y w - 4 x \xi z y w
\end{aligned}$$

$$\begin{aligned}
& + 6 z y^2 \eta w - 10 y^3 \zeta w + 2 z^3 y^4 \omega \mu w - 4 \zeta y z^3 - 2 z x^2 \eta w - 8 z y x^2 \omega \\
& - 20 \mu y^6 w^2 \omega + 2 z^4 \eta + 2 y^5 \omega \lambda w^3 - x^2 v \omega y^4 w^2 + v y^6 \omega w^2 + 3 y^4 \omega \mu z^2 w^2 \\
& - 2 y^4 \omega \kappa x w^3 - 3 w y^3 \omega \mu z^4 + 8 z x^4 v \omega y^2 w + 8 z v y^6 \omega w - 8 z y^4 \omega \kappa x w^2 \\
& - 16 z x^2 v \omega y^4 w + 8 z x^3 \omega \kappa y^2 w^2 + 4 x w \kappa \omega y^2 z^4 - z y^5 \omega \mu w^2 + z y^3 \omega \mu w^2 x^2 \\
& + 12 z y^5 \omega \lambda w^2 - 2 z^2 y^3 \omega \kappa x w^2 + z^2 y^4 \omega \lambda w^2 - 2 y^3 \omega \lambda z^4 w + z^2 x^2 \omega \lambda y^2 w^2 \\
& + z^2 y^2 \omega,
\end{aligned}$$

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$$\begin{aligned}
& 17 x^2 y^2 \omega + 60 y^4 \omega \mu z^4 - 17 y^4 \omega - 63 y^5 \omega \mu z^2 w - 9 \mu y^4 w^2 x^2 \omega - 3 z y^3 \omega \\
& - 60 x^2 y^2 \omega \mu z^4 + 63 x^2 y^3 \omega \mu z^2 w - 6 x^4 \omega \lambda y^2 w^2 - 25 x^2 y \zeta z + 10 z^2 \lambda x^4 \omega y w \\
& - 3 \eta y z^3 - 4 x y^2 w \xi + 3 x^2 y \eta w + 9 \mu y^6 w^2 \omega + 44 x^2 v y^5 \omega w - 22 x^4 v \omega y^3 w \\
& + 44 x^2 y^4 \omega \lambda w^2 - 32 x^3 y^3 \omega \kappa w^2 - 40 v y^4 z^2 x^2 \omega + 100 z \mu x^2 \omega y^4 w \\
& + 20 x^4 v y^2 z^2 \omega + 20 z^2 \kappa \omega y^2 w x^3 - 50 z \mu x^4 \omega y^2 w - 40 z^2 \lambda y^3 \omega w x^2 \\
& + 30 z^2 \lambda y^5 \omega w - 20 x z^2 \kappa \omega y^4 w + 10 y x \xi z^2 + 20 v y^6 z^2 \omega - 50 z \mu y^6 \omega w \\
& - 15 y^2 \eta z^2 + 3 z^3 \lambda y^2 \omega w x^2 - 3 z v y^6 \omega w + 5 x^2 \eta z^2 + 6 z y^4 \omega \kappa x w^2 \\
& + 3 z x^2 v \omega y^4 w - 6 z y^5 \omega \lambda w^2 + y^3 \eta w - 38 y^6 \omega \lambda w^2 - 22 v y^7 \omega w \\
& - 6 x w \kappa \omega y^3 z^3 + 3 y^4 \omega \lambda z^3 w + 25 y^3 \zeta z + 6 z^2 y^2 \zeta + 32 y^5 \omega \kappa x w^2,
\end{aligned}$$

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$$\begin{aligned}
& 8 v y^7 \omega^2 + \eta^2 w x^2 - 15 \zeta y^4 \omega \mu z^2 w + 11 \zeta x^2 v \omega y^4 w - 11 \zeta v y^6 \omega w \\
& + 10 \zeta y^4 \omega \kappa x w^2 - 4 \zeta x^2 \omega \lambda y^3 w^2 - 6 \zeta y^5 \omega \lambda w^2 - 3 \eta^2 y^2 w + 30 y^3 \zeta^2 \mu w^2 x^2 \\
& - 30 y^5 \zeta^2 \mu w^2 - 25 y \omega x^2 \lambda \zeta z^4 - 10 y x^2 \zeta^2 \lambda z^3 w + 20 y x^4 \zeta^2 \lambda w^2 + 100 y x^2 \zeta^2 \mu z^4 \\
& - 20 y \omega \mu x^4 z \eta w + 10 y \zeta z x \xi - 6 y x^4 \omega \eta \lambda w^2 - 9 y^3 \omega \eta \lambda z^3 w - 4 \omega^2 x^4 \lambda y^2 w \\
& + 16 \omega^2 x^2 \lambda y^4 w + 7 y x^2 \omega \eta \lambda z^3 w - 18 y^5 \omega \eta \lambda w^2 + 6 \omega^2 \lambda z^3 y^2 x^2 \\
& - 60 \omega \mu y^5 z \eta w - 40 \omega \mu x^3 \xi z y^2 w + 40 v x^4 \zeta^2 y^2 w + 40 x^3 \zeta^2 \kappa y^2 w^2 \\
& - 80 x^2 \zeta^2 \lambda y^3 w^2 - 110 x^2 \zeta^2 \mu y^2 z^2 w - 40 \omega^2 \mu x^4 z y^2 + 80 \omega^2 \mu x^2 z y^4 \\
& - 80 v x^2 y^4 \zeta^2 w + 40 \omega \mu y^4 x \xi z w + 80 \omega \mu x^2 z y^3 \eta w + 12 y^4 \omega \eta \kappa x w^2 \\
& + 6 y x^2 \omega \eta + 20 z^3 x \kappa \zeta^2 y^2 w + 110 y^4 \zeta^2 \mu z^2 w - 10 y^3 \zeta^2 \lambda z^3 w - 40 y^4 \zeta^2 \kappa x w^2 \\
& - 15 \zeta y^2 \eta z + 60 y^5 \zeta^2 \lambda w^2 - 100 y^3 \zeta^2 \mu z^4 + 40 v y^6 \zeta^2 w - 10 \omega^2 \lambda z^3 y^4 \\
& - 12 y^6 \omega^2 \lambda w - 40 \zeta v x^2 z y^4 \omega + 50 \zeta \mu y^6 \omega w - 40 \zeta z \lambda y^3 \omega w x^2 + 30 \zeta z \lambda y^5 \omega w \\
& + 55 \zeta z^4 \lambda y^3 \omega - 100 \zeta x^2 \mu \omega y^4 w - 45 y x^2 \zeta^2 + 20 \zeta z x^3 \kappa \omega y^2 w \\
& - 20 \zeta z x \kappa \omega y^4 w - 30 \zeta z^4 x \kappa \omega y^2 + 20 \zeta v x^4 z y^2 \omega + 20 \zeta v z y^6 \omega - 55 \zeta z^3 \mu y^4 \omega \\
& + 50 \zeta x^4 \mu \omega y^2 w + 24 x^2 \omega \eta \lambda y^3 w^2 + 12 v y^6 \omega \eta w - 8 v x^2 y^4 \omega \eta w \\
& + 16 v x^3 y^3 \omega w \xi - 12 x^3 \omega \eta \kappa y^2 w^2 - 2 y^3 \omega \eta - 4 y^2 \omega x \xi - 40 \omega^2 \mu z y^6 \\
& + 8 v x^4 y^3 \omega^2 - 16 v x^2 y^5 \omega^2 + 45 y^3 \zeta^2 + 2 y^2 \omega x \kappa \eta z^3 w - 16 v y^5 \omega x w \xi
\end{aligned}$$

$$\begin{aligned}
& + 55 \zeta z^3 \mu y^2 x^2 \omega + 5 \zeta x^2 z \eta + 4 y^6 \omega^2 \mu w - 4 y^4 \omega^2 x^2 \mu w - 7 y^3 \omega x^2 \mu \eta w^2 \\
& + 7 y^5 \omega \mu \eta w^2 - 4 \eta x^4 v \omega y^2 w - 10 \eta y x^2 \omega \mu z^4 + 2 \eta y x w \xi + 10 \eta y^3 \omega \mu z^4 \\
& - z^3 \eta^2 - 3 \zeta y \eta z^2 - 27 \zeta v x^2 z^2 y^3 \omega - 9 \zeta z^2 \lambda y^2 \omega w x^2 - 3 \zeta z^2 \lambda y^4 \omega w \\
& + 27 \zeta v z^2 y^5 \omega + 12 \zeta z^2 x \kappa \omega y^3 w + 7 \zeta z^4 \mu y^3 \omega - 2 \omega^2 \mu z^2 y^5 - 2 z y^5 \omega^2 \lambda w \\
& + 2 z \omega^2 x^2 \lambda y^3 w + 2 z y^3 \omega \eta \kappa x w^2 - 4 z y^4 \omega \eta \lambda w^2 + 10 z v y^5 \zeta^2 w \\
& - 10 z v x^2 y^3 \zeta^2 w - 20 z y^3 \zeta^2 \kappa x w^2 + 20 z y^4 \zeta^2 \lambda w^2 - 4 z v y^4 \omega x w \xi \\
& + z v x^2 y^3 \omega \eta w + 2 z v y^6 \omega^2 + 3 z v y^5 \omega \eta w - 2 z v x^2 y^4 \omega^2 - z y^2 \omega \eta \\
& + 2 z x^2 \omega \eta \lambda y^2 w^2 + 4 y^3 \omega \eta \mu z^3 w - 2 y^2 \omega \eta \lambda z^4 w + 4 \omega \lambda z^3 y^3 \zeta w \\
& + 13 \omega \mu x^2 z^2 y^2 \eta w + 10 z y^2 \zeta^2 - 13 \omega \mu y^4 z^2 \eta w + 4 \omega^2 \mu z^3 y^4 + 2 \omega^2 \mu x^2 z^2 y^3 \\
& - 2 \omega^2 \lambda z^4 y^3 - 5 \zeta y^3 \omega - 8 y^3 \omega^2 x^3 \kappa w + 8 y^5 \omega^2 x \kappa w + 4 y^3 \omega^2 x \kappa z^3 \\
& + 10 \zeta z x^4 \lambda \omega y w,
\end{aligned}$$

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$$\begin{aligned}
& 176 z^2 \zeta \lambda x^3 \omega y w + 48 \xi z^3 \eta + 192 \xi y^3 \omega - 512 z^2 \zeta \lambda x \omega y^3 w + 272 x^3 \omega^2 \mu z^2 y^2 \\
& - 640 x^5 \omega^2 \mu z y + 16 x \omega^2 \mu y^3 z^3 - 88 x^3 \omega^2 \mu y^3 w + 240 x^3 \omega \mu z^4 \eta \\
& - 272 x \omega^2 \mu z^2 y^4 - 640 x \omega^2 \mu z y^5 + 88 x \omega^2 \mu w y^5 + 1280 x^3 \omega^2 \mu z y^3 \\
& - 160 x \omega^2 \lambda z^3 y^3 - 8 x \omega^2 \lambda z^4 y^2 + 8 x^3 \omega^2 \lambda z y^2 w - 8 x \omega^2 \lambda z w y^4 \\
& + 24 x^3 \omega \lambda z^3 \eta w - 184 x \omega \lambda z^3 \eta y^2 w - 8 x \omega \lambda z^4 y \eta w + 8 x^3 \omega \lambda z \eta y w^2 \\
& - 8 x \omega \lambda z y^3 \eta w^2 + 48 x^3 \omega^2 \lambda z^3 y - 240 \kappa \zeta z^4 \eta y^2 w + 120 \kappa \zeta z^2 y^3 \eta w^2 \\
& + 240 \kappa \zeta^2 z^3 y^3 w + 640 x^2 \omega \mu y^3 \xi z w - 960 x \omega \mu y^4 z \eta w + 8 x^3 \omega \mu z^2 y \eta w \\
& + 16 x \omega \mu w y^2 \eta z^3 + 1280 x^3 \omega \mu z y^2 \eta w - 640 x^4 \omega \mu \xi z y w + 128 v x^3 y^3 \omega \eta w \\
& + 16 v \omega^2 z y^3 x^3 - 32 y^2 \omega^2 x^2 \kappa z^3 - 16 x^3 \omega \eta - 536 x \omega \mu z^2 y^3 \eta w - 16 x^5 \omega \lambda \eta w^2 \\
& - 160 x^3 \omega \lambda \zeta z^4 - 16 x v \omega^2 z y^5 + 60 x \zeta \eta z^2 \lambda y^2 w^2 - 128 x v y^5 \omega \eta w \\
& - 32 x v w y^4 \omega \eta z + 20 \zeta \eta z \mu y w^2 x^3 - 20 \zeta \eta z^2 \lambda w^2 x^3 - 40 \zeta \eta z^2 \kappa y x^2 w^2 \\
& - 80 \zeta z^4 x^2 \xi \lambda w + 80 \zeta z^4 x^2 \kappa \eta w + 800 \zeta x^3 \mu \omega y^3 w - 288 x \omega^2 \lambda y^5 w \\
& - 480 x \omega \lambda y^4 \eta w^2 + 960 y^5 \zeta z \kappa \omega w + 1440 y^4 \zeta z \kappa \eta w^2 + 800 x^5 \zeta \mu \omega y w \\
& + 4400 x^3 \zeta \mu \eta y^2 w^2 - 400 x^5 \zeta \mu \eta w^2 - 320 x^3 \zeta z^3 \mu y \omega - 1080 x^3 \zeta z \mu \omega y^2 w \\
& + 1080 x \zeta z \mu w y^4 \omega - 40 x^3 \zeta z^3 \mu \eta w - 880 x \zeta z^3 \mu y^3 \omega + 40 x^2 \zeta \eta y^2 w^3 \kappa \\
& - 1280 x^2 \zeta z \kappa \omega y^3 w - 195 x \zeta \eta y^2 w^2 \mu z^2 + 20 x \zeta \eta y w \mu z^4 - 880 x^2 \zeta^2 z^3 \kappa y w \\
& - 1760 x^5 \zeta^2 v y w + 320 x^5 \zeta v z y \omega + 336 x^3 \zeta v z^2 y^2 \omega - 1280 x^3 \zeta v z y^2 \eta w \\
& + 128 x \zeta v y^5 \omega w - 60 x \zeta v y^4 \eta w^2 - 48 x^3 \zeta v \omega y^3 w + 80 x^3 \zeta v \eta y^2 w^2 \\
& - 40 x \zeta \eta y^3 w^3 \lambda + 160 x^4 \zeta z \kappa \eta w^2 + 320 x^4 \zeta z \kappa \omega y w + 1120 x \zeta v y^4 z \eta w \\
& - 1760 x \zeta^2 v y^5 w + 160 x^5 \zeta v z \eta w - 640 x^3 \zeta v z y^3 \omega + 3520 x^3 \zeta^2 v y^3 w \\
& + 256 x \zeta y^4 \omega \lambda w^2 - 336 x \zeta v z^2 y^4 \omega + 320 x \zeta v z y^5 \omega + 520 x^3 \zeta^2 y^2 z v w
\end{aligned}$$

$$\begin{aligned}
& -520 x \zeta^2 y^4 z v w - 568 x \zeta y^2 \omega \mu z^4 - 960 x \zeta^2 y^3 z \lambda w^2 - 3840 x \zeta^2 y^4 \lambda w^2 \\
& - 8440 x \zeta^2 y^3 \mu z^2 w + 10400 x \zeta^2 y^2 \mu z^4 - 1440 x \zeta^2 y^2 \lambda z^3 w + 4160 x^2 \zeta^2 y^3 \kappa w^2 \\
& + 1520 x \zeta^2 y^4 \mu w^2 - 960 x^3 \zeta z \lambda y^2 \omega w + 1200 x \zeta z^4 \lambda y^2 \omega + 30 z \xi y w \zeta \\
& + 40 x \zeta \eta y w + 80 x \zeta \eta z^2 - 480 x^5 \zeta^2 \lambda w^2 - 4400 x^3 \zeta^2 \mu z^4 - 1600 x \zeta \mu y^5 \omega w \\
& - 1520 x^3 \zeta^2 y^2 \mu w^2 + 960 x \zeta z \lambda y^4 \omega w - 1760 x^4 \zeta^2 \kappa y w^2 + 4320 x^3 \zeta^2 \lambda y^2 w^2 \\
& + 480 x^3 \zeta^2 \lambda z^3 w + 4840 x^3 \zeta^2 \mu y z^2 w + 960 x^2 \zeta^2 y^2 z \kappa w^2 + 120 x^3 \zeta^2 y z \lambda w^2 \\
& + 480 x^3 \zeta^2 - 1600 x^2 \zeta y^2 \eta z \kappa w^2 + 800 x \zeta y \eta z^4 \lambda w - 480 x \zeta^2 y^2 \\
& - 800 x^3 \zeta y \eta z \lambda w^2 + 2400 x \zeta y^3 \eta z \lambda w^2 - 920 x \zeta y^2 \eta z^3 \mu w - 140 x \zeta \eta z \mu y^3 w^2 \\
& - 6400 x \zeta \mu y^4 \eta w^2 + 426 x \zeta y^3 \omega \mu z^2 w + 36 x \zeta y^2 \omega \lambda z^3 w + 320 x \zeta y \eta z \\
& - 16 \xi v z x^2 \omega y^3 w - 30 \xi \zeta y^3 w^2 \mu z^2 - 60 \xi \zeta y^4 w^3 \lambda + 48 \xi v z w y^5 \omega \\
& + 528 \xi y^4 \omega \mu z^2 w + 2400 \xi y^5 \zeta \mu w^2 + 96 \xi z y^4 \omega \lambda w^2 - 48 \xi y^3 \omega \lambda z^3 w \\
& - 256 \xi x^2 v \omega y^4 w + 64 \xi x^4 v \omega y^2 w + 192 \xi v y^6 \omega w + 288 \xi y^5 \omega \lambda w^2 \\
& - 480 \xi y^3 \omega \mu z^4 + 960 \xi y^3 \zeta z v w x^2 - 120 \xi z^2 \zeta \lambda y^3 w^2 - 960 \xi y^5 \zeta z v w \\
& + 60 \xi z^4 \zeta \mu y^2 w - 240 \xi y^3 \zeta z^3 \mu w + 240 \xi y^2 \zeta z^4 \lambda w - 1440 \xi y^4 \zeta z \lambda w^2 \\
& - 144 \xi y^5 \omega \mu w^2 + 120 \xi \zeta z \mu y^4 w^2 - 160 \xi x^4 \zeta z \lambda w^2 - 480 \xi y^2 \zeta z - 48 \xi \eta w x^2 \\
& + 144 \xi \eta y^2 w - 160 \xi y x^2 \omega + 24 \xi z^2 y \zeta - 420 x \zeta^2 y z + 140 x \zeta y^2 \omega + 160 \xi x^2 \zeta z \\
& - 96 y x w \xi^2 - 60 \xi \zeta y^2 w + 48 \xi z y^2 \omega + 84 x^3 \zeta \omega \lambda y^2 w^2 - 384 x^2 \zeta y^3 \omega \kappa w^2 \\
& - 528 \kappa \omega y^4 z^2 \zeta w - 80 x^4 \zeta \omega \kappa y w^2 + 240 x \omega \mu y^2 \eta z^4 - 2400 y^5 \zeta^2 \kappa w^2 \\
& + 208 x^3 \omega \lambda \eta y^2 w^2 - 64 x^5 \omega^2 \lambda y w + 352 x^3 \omega^2 \lambda y^3 w + 48 \kappa \omega^2 y^3 z x^2 w \\
& + 432 \kappa \omega y^2 z^2 x^2 w \zeta - 96 \kappa \omega y^4 z \eta w^2 + 48 \kappa \omega y^3 z^3 \eta w + 16 \kappa \omega y z^3 \eta w x^2 \\
& - 80 x^5 \zeta v \omega y w + 160 x \omega \mu y^4 \eta w^2 - 16 x^3 \omega \mu \eta y^2 w^2 - 20 x \zeta v z w y^4 \omega \\
& + 20 x^3 \zeta v z \omega y^2 w - 320 x^5 \omega \mu z \eta w + 20 \zeta x^3 \omega + 40 x^2 \zeta z y^2 \omega \kappa w^2 \\
& - 100 x^3 v \zeta^2 z^4 - 40 x^2 \zeta w \kappa \omega y z^3 - 30 \zeta \xi z^3 - 70 x \zeta^2 y w - 64 x v y^6 \omega^2 \\
& + 90 \kappa \zeta^2 y^4 w^3 - 48 \kappa \omega^2 y^5 z w + 128 v x^3 y^4 \omega^2 - 10 \zeta z^3 \kappa \eta w^2 x^2 + 30 \zeta z^3 \kappa \eta y^2 w^2 \\
& + 5 \zeta z x^3 \eta w^3 \lambda - 15 \zeta z x \eta w^3 \lambda y^2 - 5 \zeta z^4 x \eta w^2 \lambda + 10 \zeta \xi w^2 x^2 \lambda z^3 \\
& + 100 \zeta \xi w x^2 \mu z^4 - 5 \zeta z x \eta w + 60 \zeta \xi z y^3 w^3 \lambda + 10 \zeta z x^2 \eta w^3 \kappa y \\
& - 50 \zeta z^3 x \eta w^2 \mu y + 5 \zeta z v y x^3 \eta w^2 - 35 \zeta z v y^3 x \eta w^2 + 20 \zeta \xi w^3 x^4 \lambda \\
& - 90 \zeta \xi \mu y^4 w^3 - 20 \zeta x^5 v \eta w^2 + 5 \zeta z y x^3 \omega \lambda w^2 - 5 \zeta z y x \omega - 30 \zeta \xi z^3 \lambda y^2 w^2 \\
& + 30 \zeta \xi z v y^4 w^2 + 20 \zeta x^3 \omega \lambda z^3 w + 270 \zeta x^3 \omega \mu y z^2 w - 100 \zeta x^3 \omega \mu z^4 \\
& - 5 \zeta z^4 y x \omega \lambda w - 50 \zeta z^3 y^2 x \omega \mu w - 15 \zeta z y^3 x \omega \lambda w^2 + 35 \zeta \mu y w^3 x^3 \eta \\
& + 55 \zeta \mu y^3 w^3 x \eta - 10 \zeta \mu y^2 w^2 x^3 \omega + 10 \zeta \mu y^4 w^2 x \omega - 20 \zeta x^5 \omega \lambda w^2 \\
& + 60 \zeta y^4 w^3 \kappa \eta + 144 \zeta y^5 w^2 \kappa \omega - 60 \zeta z y^3 w^3 \kappa \eta - 30 \zeta z y^4 w^2 \kappa \omega \\
& + 105 \zeta x^3 \mu z^2 \eta w^2 - 20 \zeta w^3 x^4 \kappa \eta - 20 \zeta \xi w x^2 + 80 x y^2 \zeta^2 z^3 \mu w
\end{aligned}$$

$$\begin{aligned}
& + 10 x \zeta^2 y w^2 \lambda z^3 - 10 x^3 \zeta^2 y w^3 \lambda - 80 z^2 x^3 \zeta^2 \lambda w^2 - 100 w x^2 \kappa \zeta^2 z^4 \\
& + 30 y^3 w^2 \kappa \zeta^2 z^2 - 60 y^2 w \kappa \zeta^2 z^4 + 50 x^2 \zeta^2 y^2 w^3 \kappa + 50 z^2 x^2 \zeta^2 \kappa y w^2 \\
& + 175 z^4 x \zeta^2 \mu y w + 60 z^2 x \zeta^2 \lambda y^2 w^2 + 125 x \zeta^2 z \mu y^3 w^2 - 75 x \zeta^2 y^2 w^2 \mu z^2 \\
& - 130 x \zeta^2 y^3 w^3 \lambda - 25 x \zeta^2 v y^4 w^2 - 125 x^3 \zeta^2 z \mu y w^2 + 25 x^3 \zeta^2 v y^2 w^2 \\
& - 128 x^4 \omega^2 \kappa y^2 w + 320 x^2 \omega^2 \kappa y^4 w + 320 x^2 \omega \kappa y^3 \eta w^2 - 16 x y^2 \omega \eta \\
& - 32 x^4 \omega \kappa y \eta w^2 + 80 z^2 x \zeta^2 - 120 \kappa \zeta^2 z y^4 w^2 - 64 v x^5 y^2 \omega^2 - 192 y^6 \omega^2 \kappa w \\
& + 480 y^3 \omega \kappa \zeta z^4 - 288 y^5 \omega \kappa \eta w^2,
\end{aligned}$$

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$$\begin{aligned}
& 48 x \xi z^3 + 192 x^2 y^2 \omega + \eta y^2 w^2 + 32 \xi w x^3 - 128 z^2 x^2 \zeta - 32 x^4 \omega - 96 y^4 v \eta w^2 x^2 \\
& + 640 y^4 \omega \mu z^4 - 160 y^4 \omega - 704 y^5 \omega \mu z^2 w - 26 x^2 \zeta y w^2 \lambda z^3 - 160 x^2 y^3 \zeta z \lambda w^2 \\
& - 400 x^2 y^2 \zeta z^3 \mu w - 320 x^2 y^4 \zeta z v w - 48 \mu y^4 w^2 x^2 \omega - 64 \mu y^2 w^2 x^4 \omega \\
& + 144 \mu y^3 w^3 x^2 \eta + 200 x^4 \zeta z \mu y w^2 + 10 x^2 \zeta y^2 w^2 \mu z^2 - 8 z y^3 \omega - 76 \mu y w^3 x^4 \eta \\
& - 168 x^4 \mu z^2 \eta w^2 - 160 x^2 \zeta z \mu y^3 w^2 - 16 x^2 \zeta y^3 w^3 \lambda - 40 x^3 \zeta y^2 w^3 \kappa \\
& + 160 w x^3 \kappa \zeta z^4 + 128 z^2 x^4 \zeta \lambda w^2 + 4 \omega y^3 w + 40 z^2 x^2 \zeta \lambda y^2 w^2 - 180 z^4 x^2 \zeta \mu y w \\
& - 80 z^2 x^3 \zeta \kappa y w^2 + 40 z^2 \lambda y^4 \zeta w^2 + 16 z^3 \kappa \eta w^2 x^3 - 24 z v y^3 x^2 \eta w^2 \\
& + 78 z^3 x^2 \eta w^2 \mu y + 6 z^4 x^2 \eta w^2 \lambda + 8 z x^2 \eta w^3 \lambda y^2 - 4 z x^4 \eta w^3 \lambda - 8 z x^3 \eta w^3 \kappa y \\
& + 8 z y x^4 \omega \lambda w^2 - 160 \xi w x^3 \mu z^4 - 16 \xi w^2 x^3 \lambda z^3 + 8 z y^3 x^2 \omega \lambda w^2 \\
& + 72 z^3 y^2 x^2 \omega \mu w + 800 x^2 y^4 \zeta \mu w^2 - 800 x^2 y^2 \omega \mu z^4 + 1136 x^2 y^3 \omega \mu z^2 w \\
& - 432 x^4 \omega \mu y z^2 w - 32 x^4 \omega \lambda z^3 w - 352 x^4 \omega \lambda y^2 w^2 + 36 x^4 \zeta y w^3 \lambda + 132 x^2 \zeta y w \\
& + 32 w^3 x^5 \kappa \eta - 40 x z y^3 w^3 \kappa \eta + 160 x y^2 w \kappa \zeta z^4 - 80 x y^3 w^2 \kappa \zeta z^2 - 64 x \xi z y w \\
& - 120 x \kappa \zeta y^4 w^3 + 320 x^2 y \eta w \mu z^4 - 8 x^2 y^2 \eta w^2 \mu z^2 + 44 z y^4 \eta w^3 \lambda \\
& - 2 z^4 y^2 \eta w^2 \lambda + 2 z^3 y^3 \eta w^2 \mu + 92 z y^2 \eta w - 52 y^3 \zeta w + 160 x^4 \omega \mu z^4 - 104 \eta y z^3 \\
& + 32 x^6 \omega \lambda w^2 + 8 z^3 y^4 \omega \mu w - 32 \xi w^3 x^5 \lambda + 160 x^4 v \zeta z^4 - 26 \zeta y z^3 + 32 x^6 v \eta w^2 \\
& + 32 x y^2 w \xi - 48 x^2 y \eta w - 4 z x^2 \eta w - 24 z y x^2 \omega + 112 \mu y^6 w^2 \omega \\
& + 128 x^5 \omega \kappa y w^2 + 32 \eta y^2 w^3 x^3 \kappa - 68 \eta y^5 \mu w^3 + z^2 y \eta w + z^2 y \eta w^3 \lambda x^2 \\
& + z^2 y^3 \eta w^3 \lambda + 6 z^4 \eta + 16 \eta y w^3 x^4 \lambda + 4 z^4 \eta \kappa y x w^2 + 64 x^3 w \kappa \omega y z^3 \\
& + 640 x^2 v y^5 \omega w + 128 x^6 v \omega y w - 512 x^4 v \omega y^3 w + 704 x^2 y^4 \omega \lambda w^2 \\
& - 80 x^2 \zeta v y^4 w^2 - 160 x^2 y \zeta z^4 \lambda w - 384 x^3 y^3 \omega \kappa w^2 - y^4 \eta w^3 z \mu + 8 y^5 \omega \lambda w^3 \\
& + 24 z v y^5 \eta w^2 - 4 x^2 v \omega y^4 w^2 + 4 v y^6 \omega w^2 + 12 y^4 \omega \mu z^2 w^2 - 8 y^4 \omega \kappa x w^3 \\
& - 12 w y^3 \omega \mu z^4 - 64 \eta y^4 w^3 \kappa x + 32 \eta y^2 z^3 \kappa x w^2 - 16 \eta y^3 z^3 \lambda w^2 + 96 \eta y^5 w^3 \lambda \\
& + 64 \eta y^6 w^2 v + 48 z^3 \lambda y^2 \omega w x^2 - 32 z v y^6 \omega w + 96 z y^4 \omega \kappa x w^2 + 32 z x^2 v \omega y^4 w \\
& - 32 z x^3 \omega \kappa y^2 w^2 + 16 x w \kappa \omega y^2 z^4 - 4 z y^5 \omega \mu w^2 + 4 z y^3 \omega \mu w^2 x^2 \\
& - 80 z y^5 \omega \lambda w^2 - 8 z^2 y^3 \omega \kappa x w^2 + 4 z^2 y^4 \omega \lambda w^2 - 8 y^3 \omega \lambda z^4 w + 3 z^2 \eta w^3 \mu y^3
\end{aligned}$$

$$\begin{aligned}
& + 30 w^3 y^3 \zeta \mu x^2 - x^2 w^3 v \eta y^3 + w^3 v y^5 \eta + 2 \eta y^4 w^4 \lambda + 10 w y^2 \zeta z - 10 y^3 \zeta w^2 \lambda z^3 \\
& - 16 y^3 \eta w - 40 y^5 \zeta z \mu w^2 + 230 y^4 \zeta w^2 \mu z^2 + 140 y^5 \zeta w^3 \lambda - 2 \eta y^3 w^4 \kappa x \\
& - 3 \eta y^2 w^2 \mu z^4 - 20 w^3 y^3 \zeta z \kappa x - 10 w^2 y^3 \zeta z v x^2 + 80 \zeta v y^6 w^2 - 384 y^6 \omega \lambda w^2 \\
& - 256 v y^7 \omega w - 30 \zeta y^5 \mu w^3 - 160 y^3 \eta w \mu z^4 + 176 y^4 \eta w^2 \mu z^2 - 80 y^3 \eta w^3 \lambda x^2 \\
& - 128 x w \kappa \omega y^3 z^3 + 64 y^4 \omega \lambda z^3 w + 10 \zeta y^5 z v w^2 + 20 \zeta y^4 z w^3 \lambda \\
& + 20 \zeta y^2 z^3 \kappa x w^2 + 160 y^3 \zeta z - 320 y^4 \zeta z \kappa x w^2 + 80 y^4 \zeta z^3 \mu w + 320 y^6 \zeta z v w \\
& + 480 y^5 \zeta z \lambda w^2 - 80 y^3 \zeta z^4 \lambda w - 800 y^6 \zeta \mu w^2 - 2 x w^3 z^2 \kappa \eta y^2 + w^3 z \mu x^2 \eta y^2 \\
& + 4 z^2 x^2 \omega \lambda y^2 w^2 + 4 z^2 y^2 \omega + 112 z^2 y^2 \zeta - 220 z^4 y^3 \zeta \mu w + 256 y^5 \omega \kappa x w^2, \\
& "-----"
\end{aligned}$$

$$\begin{aligned}
& -4 y^2 \omega^2 x^2 - 25 y^3 \zeta^2 w - 10 \zeta^2 y z^3 + 5 \zeta z^4 \eta + 25 x^2 \zeta^2 y w - 10 y \omega x^2 \zeta z + y^3 \omega^2 z \\
& - y \omega \eta w x^2 - 11 y^3 \omega^2 x^2 \mu z^2 w + 4 y^3 \omega^2 x^3 \kappa w^2 - 8 y^4 \omega^2 x^2 \lambda w^2 + 4 y^4 \omega^2 \\
& + 10 y^3 \omega \zeta z + 3 y^3 \omega \eta w + 3 y^2 \omega z^2 \zeta + y \omega z^3 \eta - 3 y^6 \omega^2 \mu w^2 + 6 y^6 \omega^2 \lambda w^2 \\
& - 10 y^4 \omega^2 \mu z^4 + 4 y^7 \omega^2 v w - 10 \zeta x \xi z y w + 15 \zeta z y^2 \eta w - 5 \zeta z x^2 \eta w \\
& + 3 y^4 \omega^2 \mu w^2 x^2 - 8 y^5 \omega^2 x^2 v w + 4 y^3 \omega^2 x^4 v w + y^6 \omega^2 v z w - y^4 \omega^2 v z x^2 w \\
& - 2 y^2 \omega x w \xi - y^2 \omega^2 x^2 \lambda z^3 w + 2 y^3 \omega^2 x w \kappa z^3 + 2 y^2 \omega^2 x^4 \lambda w^2 - y^4 \omega^2 \lambda z^3 w \\
& + 11 y^5 \omega^2 \mu z^2 w - 4 y^5 \omega^2 \kappa x w^2 + 2 y^5 \omega^2 z \lambda w^2 + 10 y^2 \omega^2 x^2 \mu z^4 - 2 y^4 \omega^2 z \kappa x w^2, \\
& "-----"
\end{aligned}$$

$$\begin{aligned}
& -80 \omega x^3 \zeta w - 4608 x^2 y^2 \omega z^3 \kappa \zeta w + 1152 x y^2 \omega \eta w \mu z^4 - 960 x y^3 \omega \eta w^2 \mu z^2 \\
& - 192 x y^2 \omega \eta w^2 \lambda z^3 - 6144 x^3 y^3 \omega v z \eta w + 18432 x^3 y^4 \omega v \zeta w \\
& + 6144 x y^5 \omega v z \eta w - 768 x y^3 \omega \zeta - 48384 x y^4 \omega \zeta \mu z^2 w - 8448 x y^3 \omega \zeta \lambda z^3 w \\
& - 1536 x y^5 \omega \zeta z v w + 1536 x^3 y^3 \omega \zeta z v w + 1536 \kappa \omega y^4 z^3 \zeta w - 1536 \kappa \omega y^3 z^4 \eta w \\
& + 8 \omega z^3 x^3 \zeta \lambda w^2 + 16 \omega x^3 \eta w^3 v y^2 + 384 x y^3 \omega^2 + 384 y \omega^2 x^3 + 80 \omega x^5 \zeta w^3 \lambda \\
& + 96 y^3 \omega x^2 \zeta w^3 \kappa - 144 y^3 \omega x \zeta w^2 \mu z^2 - 240 y^4 \omega x \zeta w^3 \lambda - 96 y^5 \omega x \zeta v w^2 \\
& - 16 y^2 \omega x \zeta w + 480 y \omega z^2 x \zeta - 768 y^3 \omega x \zeta z^3 \mu w + 192 y \omega^2 x^3 \lambda z^3 w \\
& + 2112 y^2 \omega^2 x^3 \mu z^2 w + 96 y^3 \omega x^3 \zeta v w^2 + 400 y^2 \omega \mu w^3 x^3 \eta - 224 y^4 \omega \mu w^3 x \eta \\
& + 64 y^3 \omega^2 \mu w^2 x^3 + 256 y^5 \omega^2 \mu w^2 x + 6144 z y^6 \omega^2 \kappa w + 9216 z y^5 \omega \kappa \eta w^2 \\
& + 128 y^4 \omega z v x \eta w^2 - 128 y^2 \omega z x^2 \eta w^3 \kappa - 64 y \omega z x^3 \eta w^3 \lambda + 192 y^3 \omega z x \eta w^3 \lambda \\
& + 64 y \omega z^4 x \eta w^2 \lambda + 8 y^2 \omega z^3 x \eta w^2 \mu - 192 y^3 \omega \xi z^3 \lambda w^2 + 96 y^4 \omega \xi z w^3 \lambda \\
& - 32 y \omega z x \eta w - 160 y^2 \omega z v x^3 \eta w^2 + 192 y^3 \omega z^3 \kappa \eta w^2 + 240 y^2 \omega z^4 x \zeta \mu w \\
& - 96 y^5 \omega \xi \mu w^3 + 32 y^2 \omega^2 z^4 x \lambda w - 16 y^3 \omega^2 z^3 x \mu w - 192 y^4 \omega^2 z x \lambda w^2 \\
& + 96 y^5 \omega \kappa \zeta w^3 - 184 y^2 \omega x \zeta w^2 \lambda z^3 - 32 y^2 \omega x^3 \zeta w^3 \lambda + 96 z \xi y^2 w \omega \\
& - 15360 y^6 \omega \kappa \zeta w^2 + 16 \omega z^4 \kappa \eta w^2 x^2 - 48 \omega z^4 \kappa \eta y^2 w^2 + 20 \omega^2 y^2 w x \\
& + 12 \omega z^2 x \eta w^3 \lambda y^2 + 4 \omega z^4 x \eta w^2 \mu y + 16 \omega z^2 x \eta w - 4 \omega z^2 x^3 \eta w^3 \lambda
\end{aligned}$$

$$\begin{aligned}
& -48 \omega z^3 \xi \mu y^3 w^2 + 48 \omega z^4 \xi \lambda y^2 w^2 - 24 \omega z^2 \xi y^3 w^3 \lambda + 24 \omega z \xi \mu y^4 w^3 \\
& -24 \omega z^2 \xi y w + 8 \omega^2 z^2 y x^3 \lambda w^2 - 32 \omega z \xi w^3 x^4 \lambda - 16 \omega z^4 \xi w^2 x^2 \lambda \\
& -8 \omega z^2 x^2 \eta w^3 \kappa y - 56 \omega^2 z^4 y^2 x \mu w + 24 \omega^2 z^2 y^3 x \lambda w^2 + 32 \omega z x^5 v \eta w^2 \\
& -32 \omega^2 z^4 x^3 \lambda w - 32 \omega^2 z^3 x^3 \mu y w - 24 \omega z \kappa \zeta y^4 w^3 + 32 \omega^2 z x^5 \lambda w^2 \\
& + 24 \omega z x^3 \zeta y w^3 \lambda + 48 \omega z^4 \xi + 16 \omega^2 z \mu y^2 w^2 x^3 - 16 \omega^2 z \mu y^4 w^2 x \\
& -16 \omega z x \zeta v y^4 w^2 + 24 \omega z^2 y^3 w^3 \kappa \eta + 16 \omega z x^2 \zeta y^2 w^3 \kappa + 16 \omega z^3 x \zeta y^2 w^2 \mu \\
& + 4 \omega z x \zeta y w + 48 \omega z^3 y^3 w^2 \kappa \zeta + 32 \omega z \xi w x^2 - 16 \omega z x \zeta y^3 w^3 \lambda \\
& + 16 \omega z x^3 \zeta v y^2 w^2 - 8 \omega z^3 x^3 \mu \eta w^2 + 4 \omega z \mu y w^3 x^3 \eta - 28 \omega z \mu y^3 w^3 x \eta \\
& + 32 \omega z w^3 x^4 \kappa \eta - 32 \omega^2 z x^3 - 768 \kappa \omega y^5 z \zeta w^2 - 12 \omega y^2 w^2 \xi - 768 z^2 x \omega^2 \lambda y^4 w \\
& + 768 z^2 x^3 \omega^2 \lambda y^2 w - 384 \omega^2 w^2 x^5 \lambda y - 768 \xi z^2 y^2 \omega + 64 \omega^2 z^4 x^2 w \kappa y \\
& + 12 \omega y^2 w^2 \xi z^4 \mu - 12 \omega y^4 w^3 x v \eta - 6 \omega y^3 w^3 \xi \mu z^2 - 12 \omega y^4 w^4 \xi \lambda \\
& + 16 \omega^2 y^5 w^2 x v - 16 \omega^2 y^3 w^2 x^3 v + 40 \omega y^4 w^3 x \zeta \mu - 40 \omega y^2 w^3 x^3 \zeta \mu \\
& -64 \omega^2 z x v y^5 w + 40 \omega^2 y^4 w^3 x \lambda + 38 \omega^2 y^3 w^2 x \mu z^2 - 12 \omega y^2 w^2 z^4 \kappa \zeta \\
& -32 \omega^2 y^2 w^2 z^2 \kappa x^2 + 8 \omega y^2 w^4 x^2 \eta \kappa + 6 \omega y^3 w^3 \kappa \zeta z^2 - 39 \omega y^2 w^3 x \eta \mu z^2 \\
& + 12 \omega y^4 w^4 \kappa \eta + 8 \omega y w^2 x \eta - 12 \omega^2 y^2 w^3 x^3 \lambda - 32 \omega^2 y^3 w^3 x^2 \kappa - 8 \omega y^3 w^4 x \eta \lambda \\
& + 256 \omega^2 z x^2 y^3 \kappa w^2 - 224 \omega^2 z x^3 \lambda y^2 w^2 + 128 \omega^2 z x^4 \kappa y w^2 + 768 x^3 y \omega \zeta \\
& -4 \omega^2 w x^3 + 16 \omega^2 z^2 y x + 3072 \xi \zeta y z^3 + 128 \omega^2 z x^5 v y w - 64 \omega^2 z x^3 v y^3 w \\
& + 4 \omega^2 w^3 x^5 \lambda - 96 \omega x \eta z^3 + 7680 \xi y^3 \zeta w - 6144 \xi z y^3 \omega - 384 \xi \omega y^3 w \\
& -10 \omega w^3 z^3 x \eta \mu y + \omega w^3 z v y x^3 \eta - \omega w^3 z^4 x \eta \lambda - 7 \omega w^3 z v y^3 x \eta \\
& -2 \omega w^3 z^3 \kappa \eta x^2 + 6 \omega w^3 z^3 \kappa \eta y^2 + 6 \omega w^3 \xi z v y^4 + 12 \omega w^4 \xi z y^3 \lambda + 3 \omega^2 w z y x \\
& -6 \omega w \xi z^3 - 20 \omega w x^3 v \zeta z^4 + 4 \omega w^4 \xi x^4 \lambda - 18 \omega w^4 \xi \mu y^4 + 6 \omega w^2 \xi z y \\
& + \omega^2 w^3 z y x^3 \lambda - 4 \omega w^3 x^5 v \eta - 6 \omega w^3 \xi z^3 \lambda y^2 + 2 \omega w^3 \xi x^2 \lambda z^3 \\
& + 20 \omega w^2 \xi x^2 \mu z^4 - \omega w^2 z x \eta + 2 \omega w^4 z x^2 \eta \kappa y + \omega w^4 z x^3 \eta \lambda - 3 \omega w^4 z x \eta \lambda y^2 \\
& + 20 \omega^2 w x^3 \mu z^4 + 10 \omega^2 w^2 x^3 \mu y z^2 + 2 \omega w^3 x \zeta y \lambda z^3 - \omega^2 w^2 z^4 y x \lambda \\
& -10 \omega^2 w^2 z^3 y^2 x \mu + 5 \omega^2 w^3 z y^3 x \lambda - 14 \omega w^2 x \zeta y + 21 \omega w^3 x^3 \mu z^2 \eta \\
& + 7 \omega w^4 \mu y x^3 \eta + 11 \omega w^4 \mu y^3 x \eta + 10 \omega^2 w^3 \mu y^2 x^3 - 25 \omega w^3 x^3 \zeta z \mu y \\
& -10 \omega^2 w^3 \mu y^4 x + 18 \omega w^4 \kappa \zeta y^4 - 2 \omega w^4 x^3 \zeta y \lambda - 20 \omega w^2 x^2 \kappa \zeta z^4 \\
& -4 \omega w^4 x^4 \kappa \eta - 16 \omega w^3 z^2 x^3 \zeta \lambda - 12 \omega w^4 z y^3 \kappa \eta - 6 \omega^2 w^3 z y^4 \kappa \\
& + 10 \omega w^4 x^2 \zeta y^2 \kappa + 25 \omega w^3 x \zeta z \mu y^3 - 15 \omega w^3 x \zeta y^2 \mu z^2 - 26 \omega w^4 x \zeta y^3 \lambda \\
& -5 \omega w^3 x \zeta v y^4 + 5 \omega w^3 x^3 \zeta v y^2 + 10 \omega w^3 z^2 x^2 \zeta \kappa y + 35 \omega w^2 z^4 x \zeta \mu y \\
& + 12 \omega w^3 z^2 x \zeta \lambda y^2 + 16 \omega w z^2 x \zeta - 4 \omega w^2 \xi x^2 - 384 \omega^2 x^2 w \kappa y^2 z^3 \\
& -768 \omega^2 x^5 v y^2 w - 768 z^4 x^3 \omega^2 \lambda y - 320 \omega^2 w^2 x^5 \mu y - 80 \omega w^3 x^5 \mu \eta \\
& -768 \omega^2 x^4 \kappa y^2 w^2 + 3072 x \xi^2 z y w - 88 \omega z^3 x \zeta - 768 \xi z^2 y^4 \omega \lambda w^2 - 160 y^2 \omega^2 z x
\end{aligned}$$

$$\begin{aligned}
& -9216 \xi z y^5 \omega \lambda w^2 + 768 \xi z y^5 \omega \mu w^2 - 384 \xi y^5 \omega \lambda w^3 - 6144 \xi z v y^6 \omega w \\
& + 384 \xi w y^3 \omega \mu z^4 + 15360 \xi \mu y^6 w^2 \omega + 4608 \xi z y x^2 \omega - 192 \xi y^4 \omega \mu z^2 w^2 \\
& - 192 y \omega \xi z^3 + 1536 \xi z x^2 \eta w - 4608 \xi z y^2 \eta w - 7680 \xi x^2 \zeta y w \\
& - 1536 \xi z^3 y^4 \omega \mu w - 1536 \xi z^4 \eta - 1920 \omega^2 x^3 \mu z^4 y - 6144 x^3 y^4 \omega^2 v z \\
& + 3072 x y^6 \omega^2 v z + 26112 x^3 y^3 \omega \zeta \lambda w^2 - 768 x y^5 \omega^2 v z^2 + 384 x y^5 \omega^2 \lambda w^2 \\
& - 9216 x^4 y^2 \omega \zeta \kappa w^2 + 7680 x y^5 \omega^2 z \lambda w + 3840 x y^3 \omega^2 z^4 \lambda + 384 x y \omega \eta z^2 \\
& - 23040 x y^6 \omega^2 \mu w - 9216 x^3 y^3 \omega^2 z \lambda w + 768 x y^2 \omega \eta z + 4992 x y^5 \omega \zeta \mu w^2 \\
& - 4992 x^3 y^3 \omega \zeta \mu w^2 - 38400 x y^5 \omega \mu \eta w^2 + 6144 \xi z x^2 v \omega y^4 w - 768 x^2 y^4 \omega^2 \kappa w^2 \\
& + 192 x y^4 \omega^2 \mu z^2 w + 1536 x^3 y^3 \omega^2 \lambda w^2 - 1536 x y^2 \omega \zeta z + 1536 \xi y^3 \omega \lambda z^4 w \\
& - 1536 x^3 y^3 \omega^2 z \mu w + 192 x^3 y^2 \omega \eta w^3 \lambda + 1536 z x^5 \omega^2 \lambda y w + 384 x^2 y^3 \omega \eta w^3 \kappa \\
& - 9216 x^2 y^4 \omega^2 z \kappa w + 3072 x^4 y^2 \omega^2 z \kappa w - 576 x y^4 \omega \eta w^3 \lambda - 768 x y^4 \omega \eta z \mu w^2 \\
& + 30720 x^3 y^4 \omega^2 \mu w - 7680 x^5 y^2 \omega^2 \mu w - 6912 x y^4 \omega^2 z^3 \mu + 384 x^3 y^3 \omega v \eta w^2 \\
& - 384 x y^5 \omega v \eta w^2 - 9216 x^5 y^2 \omega v \zeta w - 6144 x y^3 \omega \eta z^3 \mu w - 768 x^3 y^2 \omega^2 z^3 \mu \\
& + 13824 x y^4 \omega \eta z \lambda w^2 + 1536 x^2 y^2 \omega^2 z^4 \kappa + 4608 x y^2 \omega \eta z^4 \lambda w \\
& - 9216 x y^6 \omega v \zeta w - 9216 x^2 y^3 \omega \eta z \kappa w^2 + 768 x^3 y^4 \omega^2 v w + 24576 x^2 y^4 \omega \zeta \kappa w^2 \\
& - 4608 x^3 y^2 \omega \eta z \lambda w^2 + 61440 x y^3 \omega \zeta \mu z^4 - 21504 x y^5 \omega \zeta \lambda w^2 + 768 x^3 y^3 \omega^2 v z^2 \\
& + 3072 x^5 y^2 \omega^2 v z - 23040 x^3 y \omega \zeta \mu z^4 - 4608 x^5 y \omega \zeta \lambda w^2 + 25344 x^3 y^2 \omega \zeta \mu z^2 w \\
& - 4 \omega^2 x z^3 + 2304 x^3 y \omega \zeta \lambda z^3 w + 768 x^3 \omega z \eta + 23040 x^3 y^3 \omega \mu \eta w^2 \\
& + 1536 x y^5 \omega^2 z \mu w + 3840 x^2 y^3 \omega \zeta z \kappa w^2 + 384 y^3 \omega z^2 x \zeta \lambda w^2 + 384 y^5 \omega w^3 \kappa \eta \\
& + 192 y^4 \omega w^2 \kappa \zeta z^2 - 384 y^3 \omega w \kappa \zeta z^4 - 96 y^4 \omega z w^3 \kappa \eta - 2688 x y^4 \omega \zeta z \lambda w^2 \\
& + 768 \kappa \omega y^4 z^2 \eta w^2 - 384 x^3 y^2 \omega \zeta z \lambda w^2 + 192 x y^2 \omega \zeta z^4 \lambda w,
\end{aligned}$$

"-----"

$$\begin{aligned}
& 4 z y^4 \omega - 4 z^3 y^2 \zeta + 20 y^3 \zeta z^2 + 4 x^2 \eta z^3 - 12 y^2 \eta z^3 + 2 \eta y z^4 + 32 y^6 \omega \kappa x w^2 \\
& - 16 y^5 \omega - 8 x^4 y \omega \lambda z^3 w - 80 x^4 y^3 \omega \lambda w^2 + 16 x^6 y \omega \lambda w^2 + 32 x^5 y^2 \omega \kappa w^2 \\
& - 16 x^4 y \omega - 96 x^4 y^4 \omega v w + 32 x^6 y^2 \omega v w + 80 x^4 y \omega \mu z^4 - 88 x^4 y^2 \omega \mu z^2 w \\
& + 4 x w \kappa \omega y^3 z^4 + 14 z y^3 \eta w - 4 z x^2 y^2 \omega - 2 z^4 \lambda y^2 \omega w x^2 - 88 z^2 \mu y^6 \omega w \\
& + 8 y x \xi z^3 - 16 x z^3 \kappa \omega y^4 w + 8 z^3 \lambda y^5 \omega w + 16 z^3 \kappa \omega y^2 w x^3 + 176 z^2 \mu x^2 \omega y^4 w \\
& - 20 x^2 y \zeta z^2 - 2 x^2 y^3 \omega \mu z^3 w + 2 y^5 \omega \mu z^3 w + z^2 y^3 \omega + 8 z y^5 \omega \kappa x w^2 \\
& - 8 z x^3 y^3 \omega \kappa w^2 - 4 z y^6 \omega \lambda w^2 - 2 z x^2 y \eta w - 12 z x y^2 w \xi + 4 z x^4 \omega \lambda y^2 w^2 \\
& - 2 y^4 \omega \lambda z^4 w - 3 z^4 y^4 \omega \mu w - 2 z^2 y^4 \omega \kappa x w^2 + y^3 x^2 \omega z^2 \lambda w^2 - y^5 x^2 \omega v w^2 \\
& + y^4 x^2 \omega z \mu w^2 + 2 y^6 \omega w^3 \lambda - z \mu y^6 w^2 \omega + 3 z^2 y^5 \omega \mu w^2 + z^2 y^5 \omega \lambda w^2 \\
& - 2 y^5 \omega w^3 \kappa x + y^7 \omega v w^2 + 96 y^6 x^2 \omega v w - 160 y^3 x^2 \omega \mu z^4 + 112 y^5 x^2 \omega \lambda w^2 \\
& - 64 y^4 x^3 \omega \kappa w^2 + 32 y^3 x^2 \omega + w y^4 \omega + 4 \mu y^7 w^2 \omega - 22 y^4 \zeta w - 48 y^7 \omega \lambda w^2
\end{aligned}$$

$$-8 \mu y^5 w^2 x^2 \omega + 4 \mu y^3 w^2 x^4 \omega - 32 y^8 \omega v w + 80 y^5 \omega \mu z^4 + 22 x^2 \zeta y^2 w,$$

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$$\begin{aligned} & 24900 y^2 \zeta^2 x^2 + 3938 y^4 \zeta \omega - 7900 y^3 \zeta^2 z + 44400 y^6 \omega \mu z \eta w - 4960 v y^8 \omega^2 \\ & + 2680 y^6 \omega^2 \mu z^2 - 6600 z v y^6 \zeta^2 w - 29600 y^5 \omega \mu x \zeta z w - 17820 \zeta v z^2 y^6 \omega \\ & + 29600 y^7 \omega^2 \mu z + 1360 x^4 \omega^2 \mu z^2 y^2 - 2480 y^4 \omega^2 x \kappa z^3 + 2640 z v y^5 \omega x w \xi \\ & - 1320 z x^2 \omega \eta \lambda y^3 w^2 + 5 y^6 \omega v \eta w^2 + 10 y^4 \omega^2 v x^2 z^2 - 80 x^4 \omega \eta + 8880 y^7 \omega^2 \lambda w \\ & + 120 y^3 \omega^2 v x^4 z + 1080 y^5 \omega^2 v x^2 z + 1540 y^6 \omega^2 z \lambda w + 162 \zeta z v y^6 \omega w \\ & + 40 z^2 \zeta \lambda x^4 \omega y w - 10 x^2 \omega \lambda z^4 y \eta w - 2400 x^6 \zeta^2 \lambda w^2 - 200 y^2 \zeta z^3 \mu \eta w x^2 \\ & + 2400 y^4 \zeta z \mu x^2 \omega w + 800 y^2 \zeta z^4 x \kappa \eta w + 14800 y^5 \zeta z x \kappa \omega w \\ & - 16400 y^3 \zeta z x^3 \kappa \omega w + 800 y^2 \zeta z x^3 \kappa \eta w^2 - 2400 y^4 \zeta v x^2 z \eta w - 22000 x^4 \zeta^2 \mu z^4 \\ & + 20 y^3 \omega^2 z^4 x \kappa - 27300 y^4 \zeta^2 - 17600 y^7 \zeta^2 v w + 32000 y^4 \zeta z \lambda \omega w x^2 \\ & - 37100 y^4 \zeta z^4 \lambda \omega - 400 y^3 \zeta \eta z^2 \kappa x w^2 + 556 y^3 \zeta \eta w + 500 y^2 \zeta \eta z^2 \lambda w^2 x^2 \\ & - 17600 y^4 \zeta^2 \mu w^2 x^2 + 100 y^3 \zeta \eta z \mu w^2 x^2 - 1600 y^4 \zeta \eta z \kappa x w^2 \\ & - 2000 y^3 \zeta \eta z \lambda w^2 x^2 + 10 y^5 \omega \eta w^3 \lambda - 7340 x^2 \omega \mu z^2 y^3 \eta w - 3200 x^5 \omega \mu \xi z y w \\ & + 21200 x^4 \omega \mu z y^2 \eta w - 10 x^2 \omega \mu w y^2 \eta z^3 - 80 x^6 \omega \lambda \eta w^2 + 20 x^4 \omega \lambda z \eta y w^2 \\ & - 64000 x^2 \omega \mu y^4 z \eta w + 32800 x^3 \omega \mu y^3 \xi z w - 1600 x^6 \omega \mu z \eta w \\ & + 80 \kappa \omega y z^3 \eta w x^3 - 162 x^2 \zeta v z w y^4 \omega + 480 \kappa \omega y^2 z^2 x^3 w \zeta - 240 \xi \eta w x^3 \\ & + 11900 y^3 \zeta \eta z + 38 x^2 \zeta y^2 \omega \lambda z^3 w + 20 y^6 \omega^2 z \mu w - 1062 x^2 \zeta y^3 \omega \mu z^2 w \\ & + 40 x^4 \omega \mu z^2 y \eta w - 800 \xi y x^3 \omega + 400 x^4 \zeta y \eta z \lambda w^2 - 5300 x^2 \zeta y \eta z - 89 z^2 y^2 \zeta^2 \\ & - 9800 x^4 \zeta z \lambda y^2 \omega w + 1600 x^5 \zeta z \kappa \omega y w + 800 x^6 \zeta v z \eta w - 825 \zeta^2 \mu y^4 w^2 z^2 \\ & + 2400 x^4 \zeta^2 - 1200 x^4 \zeta z \mu \omega y^2 w - 20 x^2 \zeta \eta z^2 - 550 y^5 \zeta^2 w^3 \lambda + 5 y^3 \omega \eta z \mu w^2 x^2 \\ & + 120 x \xi \eta y^2 w + 5 y^2 \omega \eta z^2 - 2980 y^7 \omega^2 \mu w + 44000 y^4 \zeta^2 \mu z^4 - 26400 y^6 \zeta^2 \lambda w^2 \\ & + 18700 y^6 \zeta^2 \mu w^2 - 1640 x \kappa \omega y^3 z^3 \eta w - 1040 x \kappa \omega y^4 z \eta w^2 \\ & - 8400 x \kappa \omega y^4 z^2 \zeta w - 200 x \kappa \omega^2 y^5 z w + 1310 y^4 \omega^2 z^4 \lambda - 10 y^3 \omega \eta z^2 \kappa x w^2 \\ & - 275 \zeta^2 v y^6 w^2 + 5 y^2 \omega \eta z^2 \lambda w^2 x^2 + 20 y^2 \omega z^4 x \kappa \eta w - 1200 y^7 \omega^2 v z \\ & - 10 y^6 \omega^2 v z^2 - 40 y^2 \omega z x^3 \kappa \eta w^2 - 275 y^3 \zeta^2 w - 324 x \zeta z y^4 w^2 \kappa \omega \\ & + 5180 z^2 \zeta \lambda x^2 \omega y^3 w - 4820 x^2 \omega \lambda z^3 \eta y^2 w - 5920 x y^6 \omega^2 \kappa w + 10 y^4 \omega^2 \\ & + 157 \zeta y z^3 \eta + 275 y^5 \zeta^2 z \mu w^2 + 162 y^3 \omega \zeta z + 5 y^3 \omega \eta w - 2630 y^5 \omega^2 z^3 \mu \\ & + 20 y^6 \omega^2 \lambda w^2 - 30 y^4 \omega^2 \mu z^4 - 275 z^2 \lambda y^4 \zeta^2 w^2 + 10 y^7 \omega^2 v w + 2700 \zeta z^2 \lambda y^5 \omega w \\ & + 324 \zeta x w \kappa \omega y^3 z^3 - 550 y^4 \zeta^2 z^3 \mu w + 25 \zeta z y^2 \eta w + 324 \zeta z y^5 \omega \lambda w^2 \\ & - 10 y^5 \omega^2 x^2 v w + 30 y^5 \omega^2 \mu z^2 w - 20 y^5 \omega^2 \kappa x w^2 + 2660 \zeta y^2 \eta z^2 \\ & - 486 \zeta \mu y^6 w^2 \omega + 75 \zeta \eta y^3 \mu w^3 x^2 - 50 \zeta \eta y^3 z w^3 \kappa x + 25 \zeta \eta y^5 z v w^2 \\ & + 50 \zeta \eta y^4 z w^3 \lambda - 25 \zeta \eta y^3 z^3 \lambda w^2 + 50 \zeta \eta y^2 z^3 \kappa x w^2 - 25 \zeta \eta y^3 z v w^2 x^2 \end{aligned}$$

$$\begin{aligned}
& -75 \zeta \eta y^5 \mu w^3 + 6680 y^5 \omega^2 \lambda z^3 + 825 z^4 y^3 \zeta^2 \mu w - 5 y^5 \omega \eta z \mu w^2 \\
& -2630 y^4 \omega \eta z^3 \mu w + 1310 y^3 \omega \eta z^4 \lambda w - 400 \zeta^2 y^3 z \lambda w^2 x^2 - 132 \zeta y \eta w x^2 \\
& + 6600 \zeta^2 y^4 z v w x^2 - 8800 y^3 \zeta^2 x^3 \kappa w^2 - 37000 y^7 \zeta \mu \omega w - 4000 y^6 \zeta \mu \eta w^2 \\
& + 17820 \zeta v x^2 z^2 y^4 \omega + 5 y^4 \omega \eta z^2 \lambda w^2 + 4452 y^6 \zeta \omega \lambda w^2 + 17600 y^5 \zeta^2 \kappa x w^2 \\
& + 11000 y^4 \zeta^2 z \kappa x w^2 + 24200 y^3 \zeta^2 x^2 \mu z^2 w - 22200 y^6 \zeta z \lambda \omega w + 4400 y^4 \zeta^2 \lambda z^3 w \\
& + 200 y^4 \zeta \eta z^2 \lambda w^2 - 200 y^5 \zeta \eta z \mu w^2 - 48400 y^5 \zeta^2 \mu z^2 w - 5520 y^4 \zeta \omega \mu z^4 \\
& + 400 y^4 \zeta \eta z^3 \mu w + 2400 y^5 \zeta \eta z \lambda w^2 - 400 y^3 \zeta \eta z^4 \lambda w - 2802 y^4 \zeta \omega \lambda z^3 w \\
& + 10962 y^5 \zeta \omega \mu z^2 w + 550 y^3 \zeta^2 z^4 \lambda w - 6768 y^5 \zeta \omega \kappa x w^2 + 2024 y^4 \zeta x^2 \omega \lambda w^2 \\
& - 5 y^4 \omega x^2 v \eta w^2 - 12100 y^5 \zeta^2 z \lambda w^2 - 22000 y^2 \zeta^2 x^2 \mu z^4 + 6800 y^2 \zeta^2 x^4 \lambda w^2 \\
& + 22000 y^4 \zeta^2 x^2 \lambda w^2 - 4040 x^2 \omega^2 \mu z^2 y^4 + 1200 x^4 \omega \mu z^4 \eta - 340 x^4 \omega^2 \mu y^3 w \\
& + 6000 y^4 \zeta x^2 \mu \eta w^2 + 78000 y^5 \zeta x^2 \mu \omega w - 45000 y^3 \zeta x^4 \mu \omega w - 1200 y^6 \zeta z \mu w \omega \\
& - 10 x^2 \omega^2 \mu y^3 z^3 - 3200 x^6 \omega^2 \mu z y - 33100 y^3 \zeta z^3 \mu x^2 \omega - 8800 y^3 \zeta^2 z^3 x \kappa w \\
& - 850 y^3 \zeta \eta w \mu z^4 + 34700 y^5 \zeta z^3 \mu \omega - 7400 y^2 \zeta z x \xi + 875 y^4 \zeta \eta w^2 \mu z^2 \\
& - 500 y^4 \zeta \eta w^3 \kappa x + 19800 y^3 \zeta z^4 x \kappa \omega - 300 y^4 \zeta x^2 v \eta w^2 + 550 y^5 \zeta \eta w^3 \lambda \\
& - 8076 y^5 \zeta x^2 v \omega w + 300 y^6 \zeta v \eta w^2 + 1300 x^2 \zeta^2 y z + 7668 y^7 \zeta v \omega w \\
& - 18000 y^3 \zeta v x^4 z \omega + 31200 y^5 \zeta v x^2 z \omega + 26400 y^5 \zeta^2 v x^2 w + 1600 y^6 \zeta v z \eta w \\
& - 14800 y^7 \zeta v z \omega - 2000 x^6 \zeta \mu \eta w^2 - 12800 x^2 \omega^2 \lambda y^5 w - 800 x^4 \omega \lambda \zeta z^4 \\
& + 240 x^4 \omega^2 \lambda z^3 y - 10 x^2 \omega^2 \lambda z^4 y^2 - 1600 x^4 \zeta z^3 \mu y \omega - 10 y^4 \omega \eta w^3 \kappa x \\
& + 4000 x^6 \zeta \mu \omega y w - 4280 x^2 \omega^2 \lambda z^3 y^3 - 15440 x^2 \omega \lambda y^4 \eta w^2 + 36000 x^4 \omega^2 \mu z y^3 \\
& + 120 x^4 \omega \lambda z^3 \eta w - 1560 x^2 \omega^2 \lambda z w y^4 + 3320 x^2 \omega^2 \mu w y^5 - 62400 x^2 \omega^2 \mu z y^5 \\
& + 20 x^4 \omega^2 \lambda z y^2 w + 18500 x^2 \zeta z^4 \lambda y^2 \omega + 900 x^2 \zeta y^2 \omega \mu z^4 + 150 x^2 \zeta^2 y z^4 \lambda w \\
& + 4240 x^4 \omega^2 \lambda y^3 w - 320 x^6 \omega^2 \lambda y w + 800 x^5 \zeta z \kappa \eta w^2 + 2400 x^4 \zeta^2 \lambda z^3 w \\
& + 408 x^4 \zeta v \omega y^3 w - 8800 x^5 \zeta^2 \kappa y w^2 - 1100 x^4 \zeta^2 y^2 \mu w^2 - 20 y^4 \omega^2 z \mu x^2 w \\
& - 15 y^3 \omega \eta w \mu z^4 + 1600 x^6 \zeta v z y \omega - 4400 x^3 \zeta^2 z^3 \kappa y w - 480 y x^2 w \xi^2 \\
& + 800 \xi x^3 \zeta z + 15 y^4 \omega \eta w^2 \mu z^2 - 638 x^2 \zeta y^2 \omega - 8800 x^6 \zeta^2 v y w \\
& - 200 x^4 \zeta z^3 \mu \eta w + 240 x \xi z^3 \eta + 550 x \kappa \zeta^2 y^4 w^3 + 220 x \xi z y^2 \omega - 124 x \xi \zeta y^2 w \\
& - 720 x \xi z^2 y \zeta + 200 \kappa \omega^2 y^3 z x^3 w + 4120 x^4 \omega \lambda \eta y^2 w^2 + 3000 x^2 \omega \mu y^2 \eta z^4 \\
& + 168 x^3 \zeta y^3 \omega \kappa w^2 + 124 x^4 \zeta \omega \lambda y^2 w^2 + 6560 x^3 \omega^2 \kappa y^4 w - 800 \xi x^5 \zeta z \lambda w^2 \\
& - 640 x^5 \omega^2 \kappa y^2 w + 320 \xi x^5 v \omega y^2 w - 11200 \xi x^3 v \omega y^4 w + 275 x^2 \zeta^2 v y^4 w^2 \\
& + 900 y^3 \eta^2 w - 700 x^4 \zeta^2 y z \lambda w^2 - 40 y^4 \eta \omega + 300 y \eta^2 z^3 + 2200 x^3 \zeta^2 y^2 z \kappa w^2 \\
& + 24200 x^4 \zeta^2 \mu y z^2 w - 275 x^2 \zeta^2 z \mu y^3 w^2 - 275 z^2 x^2 \zeta^2 \lambda y^2 w^2 + 550 x^2 y^2 \zeta^2 z^3 \mu w \\
& + 486 \zeta \mu y^4 w^2 x^2 \omega + 3440 x \xi y^3 \omega + 1840 y^3 \eta x^4 v \omega w - 2100 y^6 \eta v z w \omega
\end{aligned}$$

$$\begin{aligned}
& -540 y^4 \eta v z x^2 \omega w + 6880 y^5 \eta x^2 v \omega w - 8720 y^7 \eta v \omega w + 7300 y^5 \eta \omega \mu z^2 w \\
& + 6260 y^4 \eta \omega \lambda z^3 w + 2380 y^5 \eta z \omega \lambda w^2 + 11400 y^6 \eta \omega \lambda w^2 - 4200 y^4 \eta \omega \mu z^4 \\
& - 4240 y^6 \eta \omega \mu w^2 - 300 y \eta^2 w x^2 - 2520 y^2 \eta x^2 \omega + 20 x^4 \omega \mu \eta y^2 w^2 \\
& + 4220 x^2 \omega \mu y^4 \eta w^2 - 10 y^5 \omega^2 z^2 \lambda w + 10880 x \xi v y^6 \omega w - 160 x^5 \omega \kappa y \eta w^2 \\
& + 7760 x^3 \omega \kappa y^3 \eta w^2 - 7600 x y^5 \omega \kappa \eta w^2 - 1100 x y^2 w \kappa \zeta^2 z^4 + 550 x y^3 w^2 \kappa \zeta^2 z^2 \\
& + 10 y^3 \omega^2 z^2 \lambda x^2 w + 310 y^3 \eta z \omega + 10 y \omega x^2 z \eta - 200 x^3 \zeta \eta z^2 \kappa y w^2 \\
& - 400 x^3 \zeta z^4 \xi \lambda w - 100 x^3 \zeta \eta y^2 w^3 \kappa + 200 x^2 \zeta \eta y^3 w^3 \lambda + 100 x^4 \zeta \eta z \mu y w^2 \\
& - 100 x^4 \zeta \eta z^2 \lambda w^2 + 5600 x^2 y^2 \zeta^2 \lambda z^3 w - 150 x^4 \zeta \eta y w^3 \lambda + 175 x^2 \zeta \eta y w^2 \lambda z^3 \\
& + 25 x^2 \zeta \eta y^2 w^2 \mu z^2 - 50 x^2 \zeta \eta y w \mu z^4 + 400 x^3 \zeta z^4 \kappa \eta w - 160 x^3 y^2 \omega^2 \kappa z^3 \\
& - 320 x^6 v y^2 \omega^2 - 4320 x^4 v y^4 \omega^2 + 9600 x^2 v y^6 \omega^2,
\end{aligned}$$

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$$\begin{aligned}
11 \zeta \eta y z^4 & + 12 \zeta x^2 \eta z^3 + 57 \zeta z y^3 \eta w - 91 y^4 \zeta^2 w + 60 y^3 \zeta^2 z^2 - 22 z^3 y^2 \zeta^2 \\
& - 46 \zeta z x y^2 w \xi - 11 \zeta z x^2 y \eta w + 91 x^2 \zeta^2 y^2 w - 60 x^2 y \zeta^2 z^2 + 80 y^8 \omega^2 \mu w \\
& + 10 y^3 \omega \eta z^2 + 2 y^5 \omega^2 - y^6 \omega^2 \mu z^2 w - y^5 \omega^2 \lambda z^3 w + 4 y^6 \omega^2 \kappa x w^2 + 20 y^4 \omega \zeta z \\
& + 56 y^4 \omega \eta z + 2 y^4 \omega^2 x w \kappa z^3 - y^3 \omega^2 x^2 \lambda z^3 w - 32 y^8 \omega^2 v z - 40 y^5 \omega \zeta \\
& + 80 y^3 \omega x^2 \zeta + 96 y^6 \omega^2 v x^2 z - 2 y^7 \omega^2 \lambda w^2 - 48 y^7 \omega^2 z \lambda w + 112 y^5 \omega^2 z \lambda w x^2 \\
& + 8 y^5 \omega^2 z^4 \lambda + 7 y^4 \omega \eta w + 2 y^5 \omega^2 \mu z^4 - 2 y^3 \omega^2 x^2 \mu z^4 - 2 x^2 y^3 \omega^2 \\
& + 240 y^4 \omega^2 x^4 \mu w - 240 y^6 \omega^2 x^2 \mu w + 4 y^7 \omega^2 z \mu w - 8 y^5 \omega^2 z \mu x^2 w \\
& - 16 y^4 \omega^2 z^4 x \kappa + 32 y^6 \omega^2 z x \kappa w - 64 y^4 \omega^2 z x^3 \kappa w - 8 y^6 \omega^2 z^3 \mu - 48 y^3 \omega z x \xi \\
& - 96 y^4 \omega^2 v x^4 z - 3 y^7 \omega^2 \mu w^2 - \omega^2 z x^2 v y^5 w - 40 x^4 y \omega \zeta + 4 z^2 x^4 \omega^2 \lambda y^2 w \\
& + 48 y^3 \eta^2 z w - 80 y^4 \eta \zeta w - 80 x^6 y^2 \omega^2 \mu w + 32 x^5 y^2 \omega^2 z \kappa w + 16 z x^6 \omega^2 \lambda y w \\
& - 20 x^2 y^2 \omega \zeta z + 4 x^4 y^3 \omega^2 z \mu w + x^2 y^4 \omega^2 \mu z^2 w + 2 x^4 y^3 \omega^2 \lambda w^2 - 4 x^3 y^4 \omega^2 \kappa w^2 \\
& - 16 y \eta^2 z x^2 w - 80 x^4 y^3 \omega^2 z \lambda w - 64 x^2 y^2 \omega \eta z - 68 y^2 \eta \zeta z^3 + 16 y \eta^2 z^4 \\
& + 2 x^2 y \omega \eta z^2 + 80 y^2 \eta x^2 \zeta w + 16 \xi z x^3 \eta w - 80 \xi x^3 \zeta y w + 48 \xi z y x^3 \omega \\
& + 32 x^2 \zeta^2 z y w - 8 z^4 x^4 \omega^2 \lambda y - 6 x \xi \omega y^3 w + 56 x \xi \zeta y z^3 - 12 x \xi z^2 y^2 \omega \\
& + 80 x \xi y^3 \zeta w + 8 x^4 \omega z \eta + 32 x^6 y^2 \omega^2 v z - 8 x^4 y^2 \omega^2 z^3 \mu + 16 x^3 y^2 \omega^2 z^4 \kappa \\
& + y^2 \omega \eta z^3 - 80 x \xi z y^2 \eta w - 16 x \xi z^4 \eta - y^2 \omega \eta w x^2 - 4 y^6 \omega^2 z^2 \lambda w \\
& + 8 y^5 \omega^2 x z^2 \kappa w - 8 y^3 \omega^2 z^2 \kappa w x^3 + \omega^2 z y^4 + 16 z^3 y^4 \omega^2 \mu x^2 - 2 \omega^2 z y^5 \kappa x w^2 \\
& + 2 \omega^2 z y^6 \lambda w^2 + \omega^2 z v y^7 w + 3 y^5 \omega^2 \mu w^2 x^2 + 9 \omega z^2 y^3 \zeta,
\end{aligned}$$

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$$\begin{aligned}
546 y^3 \zeta^2 z^2 & + 2232 y^6 \zeta \omega \kappa x w^2 - 240 y^5 \omega^2 x \kappa z^3 - 480 y^9 v \omega^2 + 20 y^4 \omega \eta z \mu w^2 x^2 \\
& - 20 y^6 \omega \eta z \mu w^2 - 40 y^8 \omega^2 \mu w + 20 y^3 \omega \eta z^2 + 40 y^5 \omega^2 + 120 y^6 \omega^2 \mu z^2 w \\
& - 80 y^6 \omega^2 \kappa x w^2 - 353 y^4 \omega \zeta z - 10 y^4 \omega \eta z + 40 y^8 \omega^2 v z - 1287 y^5 \omega \zeta
\end{aligned}$$

$$\begin{aligned}
& + 1287 y^3 \omega x^2 \zeta - 80 y^6 \omega^2 v x^2 z + 80 y^7 \omega^2 \lambda w^2 + 353 y^5 \omega \zeta z v w x^2 \\
& - 353 y^7 \omega \zeta z v w + 1440 x^2 v y^7 \omega^2 + 60 x^4 \eta^2 w - 706 y^6 \omega \zeta z \lambda w^2 \\
& + 706 y^5 \omega \zeta z \kappa x w^2 - 1440 x^4 v y^5 \omega^2 - 80 y^5 \omega^2 z \lambda w x^2 - 40 y^5 \omega^2 z^4 \lambda \\
& + 20 y^4 \omega \eta w - 120 y^5 \omega^2 \mu z^4 + 240 x^4 y \omega \eta + 480 x^6 v y^3 \omega^2 - 40 y^4 \omega^2 x^4 \mu w \\
& + 80 y^6 \omega^2 x^2 \mu w + 80 y^7 \omega^2 z \mu w - 80 y^5 \omega^2 z \mu x^2 w - 60 y^4 \omega \eta w \mu z^4 \\
& + 60 y^5 \omega \eta w^2 \mu z^2 + 80 y^4 \omega^2 z^4 x \kappa + 80 y^6 \omega^2 z x \kappa w - 80 y^4 \omega^2 z x^3 \kappa w \\
& + 40 y^6 \omega^2 z^3 \mu + 40 y^4 \omega^2 v x^4 z - 30 x^2 z^3 \eta^2 - 2500 y x^4 \zeta^2 + 60 y^3 \eta^2 z w + y^4 \eta \zeta w \\
& + 160 z x y^5 \omega \kappa \eta w^2 - 160 z x^3 \omega \kappa y^3 \eta w^2 - 80 z y^6 \eta \omega \lambda w^2 + 80 z x^4 \omega \lambda \eta y^2 w^2 \\
& + 10700 z y^5 \zeta x^2 \mu \omega w - 5350 z y^3 \zeta x^4 \mu \omega w - 5350 z y^7 \zeta \mu \omega w + 240 x^3 y^3 \omega^2 \kappa z^3 \\
& + 40 y^5 \eta \omega \mu z^3 w - 40 y^4 \eta \omega \lambda z^4 w + 20 y^5 \eta z^2 \omega \lambda w^2 + 1675 z y^4 \zeta^2 \\
& - 1675 z y^2 \zeta^2 x^2 + 600 x^4 \omega^2 \mu z^2 y^3 + 40 x^2 \omega^2 \lambda z^2 w y^4 - 1200 x^2 \omega^2 \mu z^2 y^5 \\
& - 40 x^2 \omega^2 \lambda z^4 y^3 + 4760 y^5 \zeta z^4 \mu \omega + 750 y^2 \zeta z^2 x \xi - 5113 y^6 \zeta z^2 \mu w \omega \\
& - 4760 y^3 \zeta z^4 \mu x^2 \omega + 3430 y^6 \zeta z^2 \lambda \omega w + 353 z^3 \zeta \lambda x^2 \omega y^3 w - 40 x^2 \omega \lambda z^4 \eta y^2 w \\
& - 40 x \kappa \omega y^4 z^2 \eta w^2 - 706 x \kappa \omega y^4 z^3 \zeta w + 80 x \kappa \omega y^3 z^4 \eta w + 353 \zeta z^3 \lambda y^5 \omega w \\
& + 410 x^4 \zeta z^2 \lambda y^2 \omega w + 125 x^2 \zeta y \eta z^2 - 40 y^7 \omega^2 v z^2 - 40 x^2 \omega \mu z^3 y^3 \eta w \\
& - 3840 y^4 \zeta z^2 \lambda \omega w x^2 - 3020 y^5 \zeta z^2 x \kappa \omega w + 3020 y^3 \zeta z^2 x^3 \kappa \omega w \\
& + 160 x^4 \omega \mu z^2 y^2 \eta w - 320 x^2 \omega \mu y^4 z^2 \eta w + 40 y^5 \omega^2 v x^2 z^2 + 5113 y^4 \zeta z^2 \mu x^2 \omega w \\
& + 600 y^7 \omega^2 \mu z^2 - 875 y^3 \zeta \eta z^2 + 160 y^6 \omega \mu z^2 \eta w + 80 x^4 y^3 \omega^2 z \lambda w \\
& + 10 x^2 y^2 \omega \eta z - 273 y^2 \eta \zeta z^3 + 363 y^2 \eta x^2 \zeta w + 5000 y^3 \zeta^2 x^2 - 364 x \xi y^3 \zeta w \\
& - 800 x y^7 \omega^2 \kappa w - 320 x \kappa \omega y^4 z^3 \eta w + 2000 x^5 \zeta z \kappa \omega y^2 w + 280 x \xi \eta y^3 w \\
& + 320 \kappa \omega y^2 z^3 \eta w x^3 - 2000 x^2 \zeta y^2 \eta z + 8000 x^3 \omega \mu y^4 \xi z w - 5000 x^4 \zeta z \lambda y^3 \omega w \\
& - 4000 x^5 \omega \mu \xi z y^2 w + 10000 x^4 \omega \mu z y^3 \eta w - 14000 x^2 \omega \mu y^5 z \eta w \\
& + 7000 y^5 \zeta z \lambda \omega w x^2 + 2000 y^6 \zeta z x \kappa \omega w - 4300 y^5 \zeta z^4 \lambda \omega - 4000 y^4 \zeta z x^3 \kappa \omega w \\
& + 1500 y^4 \zeta \eta z - 560 \xi y^2 x^3 \omega - 4000 y^6 \omega \mu x \xi z w + 500 x^4 \zeta z \eta - 2500 y^5 \zeta^2 \\
& - 60 x \xi z y^2 \eta w + 15000 y^6 \zeta x^2 \mu \omega w + 140 y x \xi z^3 \eta - 2100 y x^4 \omega \lambda \zeta z^4 \\
& + 480 y x^4 \omega \lambda z^3 \eta w + 1000 y \xi x^3 \zeta z - 2000 y x^6 \omega \mu z \eta w + 40 y \xi \eta w x^3 \\
& + 400 y x^4 \omega \mu z^4 \eta + 1280 x \xi v y^7 \omega w - 640 x^5 \omega \kappa y^2 \eta w^2 + 1280 x^3 \omega \kappa y^4 \eta w^2 \\
& - 160 x^2 \omega \mu y^5 \eta w^2 - 640 x y^6 \omega \kappa \eta w^2 - 320 y x^6 \omega \lambda \eta w^2 - 1059 \zeta \mu y^5 w^2 x^2 \omega \\
& - 1280 y^4 \eta x^4 v \omega w + 2560 y^6 \eta x^2 v \omega w + 800 y^5 \eta \omega \lambda z^3 w + 400 y^5 \eta \omega \mu z^4 \\
& + 80 y^7 \eta \omega \mu w^2 + 80 x^4 \omega \mu \eta y^3 w^2 + 960 y^7 \eta \omega \lambda w^2 - 2560 \xi x^3 v \omega y^5 w \\
& - 1280 y^8 \eta v \omega w - 706 x^4 \zeta \omega \lambda y^3 w^2 + 1280 \xi x^5 v \omega y^3 w + 1600 x^4 \omega \lambda \eta y^3 w^2 \\
& - 800 x^2 \omega \mu y^3 \eta z^4 + 1600 x^3 \omega^2 \kappa y^5 w - 60 y^4 \eta^2 w - 2200 x^3 \zeta z^4 \kappa \omega y^2 \\
& - 400 x^6 \omega^2 \lambda y^2 w - 1822 x^4 \zeta v \omega y^4 w + 2000 x^6 \zeta v z y^2 \omega - 800 x^5 \omega^2 \kappa y^3 w
\end{aligned}$$

$$\begin{aligned}
& -2240 x^2 \omega \lambda y^5 \eta w^2 + 12000 x^4 \omega^2 \mu z y^4 - 12000 x^2 \omega^2 \mu z y^6 + 6400 x^2 \zeta z^4 \lambda y^3 \omega \\
& + 2000 x^4 \omega^2 \lambda y^4 w + 3644 y^6 \zeta x^2 v \omega w - 1822 y^8 \zeta v \omega w - 6000 y^4 \zeta v x^4 z \omega \\
& + 6000 y^6 \zeta v x^2 z \omega - 2000 y^8 \zeta v z \omega - 2800 x^2 \omega^2 \lambda y^6 w + 520 x^4 \omega^2 \lambda z^3 y^2 \\
& + 3500 x^4 \zeta z^3 \mu y^2 \omega + 5000 x^6 \zeta \mu \omega y^2 w - 1280 x^2 \omega^2 \lambda z^3 y^4 - 1000 y^3 \zeta z x \xi \\
& + 2200 y^4 \zeta z^4 x \kappa \omega - 4000 x^6 \omega^2 \mu z y^2 - 7000 y^4 \zeta z^3 \mu x^2 \omega + 3500 y^6 \zeta z^3 \mu \omega \\
& - 3000 y^7 \zeta z \lambda \omega w - 320 y^5 \eta \omega - 20 y^5 \omega x^2 v \eta w^2 - 15000 y^4 \zeta x^4 \mu \omega w \\
& + 20 y^7 \omega v \eta w^2 + 1200 y^8 \omega^2 \lambda w - 40 y^6 \omega^2 x^2 v w + 1059 \zeta \mu y^7 w^2 \omega \\
& - 5000 y^8 \zeta \mu \omega w - 110 y^2 \eta^2 z^3 + 40 y^8 \omega^2 v w + 760 y^6 \omega^2 \lambda z^3 - 160 y^2 x^2 w \xi^2 \\
& + 560 x \xi y^4 \omega - 160 y^2 \eta^2 w x^2 + 80 y^3 \eta x^2 \omega - 1280 x^2 \omega \lambda z^3 \eta y^3 w \\
& - 40 y^6 \omega^2 z^2 \lambda w + 1000 x^6 \zeta z \lambda \omega y w + 20 y^3 \eta z^2 x^2 \omega \lambda w^2 + 40 y^6 \eta \omega \lambda w^3 \\
& - 2232 x^3 \zeta y^4 \omega \kappa w^2 + 3644 x^2 \zeta y^5 \omega \lambda w^2 - 2938 y^7 \zeta \omega \lambda w^2 - 40 z^3 y^4 \omega^2 \mu x^2 \\
& + 6000 y^7 \omega \mu z \eta w + 4000 y^8 \omega^2 \mu z - 40 y^5 \eta \omega \kappa x w^3,
\end{aligned}$$

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$$\begin{aligned}
& -5 y^3 \omega^2 \zeta \eta z + 80 y^5 \omega^4 \mu x^2 z - 40 y^3 \omega^4 \mu x^4 z + 6 y^3 \omega^4 \lambda z^3 x^2 - 12 y^6 \omega^3 \eta \lambda w^2 \\
& + 16 y^5 \omega^4 x^2 \lambda w - 4 y^3 \omega^4 x^4 \lambda w - 6 y^6 \omega^3 \zeta \lambda w^2 - 11 y^7 \omega^3 \zeta v w - 5 y^4 \omega^3 \zeta \\
& + 2 y^4 \omega^3 \eta + 8 y^8 \omega^4 v + 5 \zeta^2 y^4 \omega^2 - 50 \zeta^3 z^4 \eta + 100 \zeta^3 x \xi z y w + 50 \zeta^3 z x^2 \eta w \\
& - 150 \zeta^3 z y^2 \eta w - 20 \zeta^2 y \omega z^3 \eta - 55 \zeta^2 y^3 \omega \eta w + 100 \zeta^4 y z^3 + 250 \zeta^4 y^3 w \\
& + 35 \zeta^2 y \omega \eta w x^2 + 100 \zeta^3 y \omega x^2 z - 25 y^2 \omega^3 x^2 \lambda \zeta z^4 - 4 y^4 \omega^3 \zeta x^2 \lambda w^2 \\
& + 10 y^5 \omega^3 \zeta \kappa x w^2 + 11 y^5 \omega^3 \zeta x^2 v w - 15 y^5 \omega^3 \zeta \mu z^2 w + 20 y^7 \omega^3 \zeta v z \\
& + 55 y^4 \omega^3 \zeta z^4 \lambda + 50 y^7 \omega^3 \zeta \mu w - 5 \zeta^2 y^2 \omega^2 x^2 + 20 \zeta^2 y^2 \omega x w \xi + 8 y^5 \omega^3 \eta \kappa x w^2 \\
& - 250 \zeta^4 x^2 y w - 4 y^5 \omega^4 x^2 \mu w + 16 y^7 \omega^3 v \eta w - 60 y^6 \omega^3 \mu z \eta w \\
& - 10 y^4 \omega^3 \eta \lambda z^3 w - 4 y^2 \omega^3 x^4 \eta \lambda w^2 + 10 y^2 \omega^2 \zeta z x \xi - 55 y^5 \omega^3 \zeta z^3 \mu \\
& - 27 y^4 \omega^3 \zeta v x^2 z^2 + 6 y^2 \omega^3 x^2 \eta \lambda z^3 w - 20 y^2 \omega^3 \mu x^4 z \eta w - 4 y^4 \omega^3 x^2 \mu \eta w^2 \\
& - 5 y \omega^2 \zeta x^2 z \eta + 55 y^3 \omega^3 \zeta z^3 \mu x^2 - 16 y^6 \omega^3 v x w \xi - 8 y^3 \omega^3 x^3 \eta \kappa w^2 \\
& + 16 y^4 \omega^3 v x^3 w \xi - 16 y^5 \omega^3 v x^2 \eta w + 16 y^4 \omega^3 x^2 \eta \lambda w^2 + 50 y^3 \omega^3 \zeta x^4 \mu w \\
& + 20 y^3 \omega^3 \zeta v x^4 z - 30 y^3 \omega^3 \zeta z^4 x \kappa + 4 y^6 \omega^3 \mu \eta w^2 - 100 y^5 \omega^3 \zeta x^2 \mu w \\
& + 30 y^6 \omega^3 \zeta z \lambda w - 40 y^5 \omega^3 \zeta v x^2 z + 4 y^4 \omega^4 x \kappa z^3 + 8 y^6 \omega^4 x \kappa w - 8 y^4 \omega^4 x^3 \kappa w \\
& + 2 y^4 \omega^4 \mu x^2 z^2 - 2 y^5 \omega^3 \mu z^2 \eta w + 4 y^4 \omega^3 \lambda z^3 \zeta w - 2 y^3 \omega^3 \eta \lambda z^4 w \\
& + 4 y^4 \omega^3 \eta \mu z^3 w - 2 y^5 \omega^4 z v x^2 + 4 y^6 \omega^3 z v \eta w - 2 y^5 \omega^3 z \eta \lambda w^2 \\
& + 2 y^4 \omega^4 z x^2 \lambda w - 3 y^5 \omega^3 \zeta z^2 \lambda w - 2 y^6 \omega^4 z \lambda w + 7 y^4 \omega^3 \zeta z^4 \mu + 27 y^6 \omega^3 \zeta v z^2 \\
& - 40 y^3 \omega^3 \mu x^3 \xi z w - 100 \zeta^3 y^3 \omega z + 40 y^5 \omega^3 \mu x \xi z w - 30 \zeta^3 y^2 \omega z^2 \\
& + 80 y^4 \omega^3 \mu x^2 z \eta w - 40 y^4 \omega^3 \zeta z \lambda w x^2 + 2 y^2 \omega^3 x^2 \eta + 12 y^4 \omega^3 \zeta z^2 x \kappa w
\end{aligned}$$

$$\begin{aligned}
& -12y^7\omega^4\lambda w - 9y^3\omega^3\zeta z^2\lambda wx^2 + 4y^3\omega^3x\kappa\eta z^3w - 20y^5\omega^3\zeta zx\kappa w \\
& -10y^5\omega^4\lambda z^3 + 20y^3\omega^3\zeta zx^3\kappa w - 4y^3\omega^3x\xi + 4y^7\omega^4\mu w - 16y^6\omega^4vx^2 \\
& + 10y^2\omega^3\zeta zx^4\lambda w + 2y^3\omega^3\mu x^2z^2\eta w + 8y^4\omega^4vx^4 + 2y^3\omega^3zx^2\eta\lambda w^2 \\
& - 4y^5\omega^3zvxw\xi - 40y^7\omega^4\mu z - 2y^6\omega^4\mu z^2 + 4y^5\omega^4\mu z^3 + 2y^7\omega^4z v \\
& - 2y^4\omega^4\lambda z^4 - 10\omega\eta\zeta x\xi zy w + 15\omega\eta^2\zeta zy^2w + 5\omega\eta^2\zeta z^4 - 5\omega\eta^2\zeta zx^2w, \\
& "-----"
\end{aligned}$$

$$\begin{aligned}
24\ \xi x^3y^2\omega^2 + 8x^3y^3\omega^3\kappa z^3 + 8y^6\omega^3zx\kappa w - 8y^4\omega^3zx^3\kappa w - 44y^7\omega^3\mu z^2 \\
- 4y^4\omega^3vx^4z - 44x^4\omega^3\mu z^2y^3 + 8y^6\omega^3vx^2z + 8y^5\omega^3z\lambda wx^2 + 12y^4\omega^3x^4\mu w \\
- 24y^6\omega^3x^2\mu w - 8y^5\omega^3x\kappa z^3 + 40\xi^2x^2\zeta zy w - 100\xi x\zeta zy^2\eta w \\
+ 20\xi x^3\zeta z\eta w - 40\xi xy^3\omega\zeta z - 44\xi xy^3\omega\eta w + 18\xi xy^2\omega z^2\zeta - 6\xi xy\omega z^3\eta \\
+ 16\xi^2x^2y^2\omega w - 100\xi x^3\zeta^2y w + 40\xi x^3y\omega\zeta z - 8\xi xy^3\omega^2z + 12\xi x^3y\omega\eta w \\
+ 100\xi xy^3\zeta^2w - 10\xi x\zeta^2yz^3 - 20\xi x\zeta z^4\eta - 24\xi xy^4\omega^2 + 12y^8\omega^3\mu w \\
- 16y^9v\omega^3 - y^5\omega^2\zeta + 40yx^6\omega^2\mu z\eta w - 200x^4\omega^2\mu zy^3\eta w \\
+ 280x^2\omega^2\mu y^5z\eta w - 160x^3\omega^2\mu y^4\xi zw + 80x^5\omega^2\mu\xi zy^2w + 80y^6\omega^2\mu x\xi zw \\
- 600y^6\zeta x^2\mu\omega^2w - x^2y^2\omega^2\eta z + 16xy^7\omega^3\kappa w + 88x^2\omega^3\mu z^2y^5 \\
- 40\omega x^2\zeta y^2\eta z + 40\omega y^4\zeta\eta z - 2\omega x\xi zy^2\eta w - 18\omega y^3\zeta\eta z^2 + 3\omega y^2\eta x^2\zeta w \\
- 126\omega zy^2\zeta^2x^2 - 22\omega x\xi y^3\zeta w - 16\omega y^2\eta^2wx^2 + 2\omega y^3\eta^2zw + 19\omega y^4\eta\zeta w \\
+ 126\omega zy^4\zeta^2 + 30\omega y^4\eta^2w + 7\omega y^2\eta^2z^3 - 120y^7\omega^2\mu z\eta w + 200y^8\zeta\mu\omega^2w \\
+ 4y^6\omega^3\lambda z^3 - 40y^3\eta x^2\omega^2 - 80y^8\omega^3\mu z + 33\omega y^3\zeta^2z^2 + 2\omega x^4\eta^2w - \omega x^2z^3\eta^2 \\
+ 80x^6\omega^3\mu zy^2 - 160y^4\zeta z^3\mu x^2\omega^2 + 80y^6\zeta z^3\mu\omega^2 + 600y^4\zeta x^4\mu\omega^2w \\
- 24y^8\omega^3\lambda w + 56x^2\omega^3\lambda y^6w - 4x^4\omega^3\lambda z^3y^2 + 80x^4\zeta z^3\mu y^2\omega^2 \\
- 200x^6\zeta\mu\omega^2y^2w + 16x^5\omega^3\kappa y^3w - 240x^4\omega^3\mu zy^4 + 240x^2\omega^3\mu zy^6 \\
- 40x^4\omega^3\lambda y^4w + 80x^2\omega^2\mu y^3\eta z^4 - 32x^3\omega^3\kappa y^5w + 8x^6\omega^3\lambda y^2w + 32y^5\eta\omega^2 \\
- 40yx^4\omega^2\mu z^4\eta - 40y^5\eta\omega^2\mu z^4 - 8y^7\omega^3z\lambda w + 100y^2\eta x^2\zeta^2w + 60y^3\eta^2\zeta zw \\
- 20y\eta^2\zeta zx^2w - 100y^4\eta\zeta^2w + 35y^2\eta\zeta^2z^3 + 20y\eta^2\zeta z^4 - 33\zeta^2zx^2y\eta w \\
- 16\zeta^2zx y^2w\xi + 49\zeta^2zy^3\eta w - 125y^3\zeta^3z^2 - 66z^3y^2\zeta^3 + 33\zeta^2\eta y z^4 \\
- 25\zeta^2x^2\eta z^3 + 90x^2\zeta^3y^2w + 125x^2y\zeta^3z^2 - 90y^4\zeta^3w + 9y^4\omega^2\eta z - 4y^8\omega^3vz \\
+ y^3\omega^2x^2\zeta + 48x^2vy^7\omega^3 - 48x^4vy^5\omega^3 + 8x^4y\omega^2\eta + 16x^6vy^3\omega^3, \\
"-----"
\end{aligned}$$

$$\begin{aligned}
& -80\omega w^3y^2x\zeta + 80\omega w^5x^3\eta vy^2 + 120\omega w^5zx^3\zeta y\lambda - 120\omega w^5z\kappa\zeta y^4 \\
& + 20\omega w^5z\mu yx^3\eta - 140\omega w^5z\mu y^3x\eta - 61440xv w^3y^6\omega\eta + 120\omega w^5z^2y^3\kappa\eta \\
& + 80\omega w^5zx^2\zeta y^2\kappa + 80\omega w^4z^3x\zeta y^2\mu - 80\omega w^5zx\zeta y^3\lambda - 80\omega w^4zx\zeta vy^4 \\
& - 1920\omega w^5\xi\lambda y^5 - 400\omega w^5x^5\mu\eta - 40\omega w^4z^3x^3\mu\eta + 61440y^4\omega w^4x^2\eta\kappa
\end{aligned}$$

$$\begin{aligned}
& + 240 \omega w^4 z^3 y^3 \kappa \zeta + 40 \omega w^4 z^3 x^3 \zeta \lambda + 160 \omega w^5 z x^4 \kappa \eta - 160 \omega w^5 z \xi x^4 \lambda \\
& - 40 \omega^2 w^4 z^2 y x^3 \lambda - 240 \omega w^4 z^3 \xi \mu y^3 + 240 \omega w^4 z^4 \xi \lambda y^2 + 240 \omega w^2 z^4 \xi \\
& + 480 \omega w^4 y^3 x^3 \zeta v + 983040 y^4 \omega w^3 x^3 \lambda \eta - 480 \omega w^4 y^5 x \zeta v - 1200 \omega w^5 y^4 x \zeta \lambda \\
& + 480 \omega w^5 y^3 x^2 \zeta \kappa + 80 \omega w^4 z x^3 \zeta v y^2 + 20 \omega w^3 z x \zeta y - 480 \omega w^5 y^4 z \kappa \eta \\
& - 120 \omega w^3 z^2 \xi y - 40 \omega^2 w^3 z^4 y^2 x \mu + 40 \omega^2 w^4 z^2 y^3 x \lambda + 491520 y^2 \omega x \eta z^3 \\
& - 160 \omega w^5 y^2 x^3 \zeta \lambda + 480 \omega w^5 y^5 \kappa \zeta + 80 \omega w^4 z^4 \kappa \eta x^2 - 240 \omega w^4 z^4 \kappa \eta y^2 \\
& - 1120 \omega w^5 y^4 \mu x \eta + 2000 \omega w^5 y^2 \mu x^3 \eta - 40 \omega w^5 z^2 x^2 \eta \kappa y - 20 \omega w^5 z^2 x^3 \eta \lambda \\
& + 60 \omega w^5 z^2 x \eta \lambda y^2 + 20 \omega w^4 z^4 x \eta \mu y - 120 \omega w^5 z^2 \xi y^3 \lambda - 80 \omega w^4 z^4 \xi x^2 \lambda \\
& + 160 \omega w^4 z x^5 v \eta + 120 \omega w^5 z \xi \mu y^4 - 240 \omega^2 w^3 y^3 z^3 x \mu + 320 \omega^2 w^3 y^2 z^4 x \lambda \\
& - 9830400 y^2 x \zeta^2 z^3 - 9600 \omega w^4 y^5 x \zeta \mu + 480 \omega w^3 y^2 \xi z + 960 \omega w^5 x^3 \eta y^2 \lambda \\
& + 1920 \omega w^5 x^2 \eta y^3 \kappa - 2880 \omega w^5 x \eta y^4 \lambda + 9600 \omega w^4 y^3 x^3 \zeta \mu + 2400 \omega w^2 x z^2 y \zeta \\
& - 720 \omega w^4 y^3 x \zeta \mu z^2 + 24576000 y^2 x^3 \zeta^2 w - 480 \omega w^5 y^5 \xi \mu - 3840 \omega w^3 x^3 \zeta z v y^3 \\
& + 983040 x y^4 \omega \zeta z^4 \lambda w + 480 \omega w^5 y^4 \xi z \lambda - 160 \omega^2 w^2 y^2 z x + 160 \omega^2 w^4 z x^3 \lambda y^2 \\
& + 160 \omega^2 w z^4 x + 1920 \omega w^5 \kappa \eta y^5 - 160 \omega w^3 y z x \eta - 245760000 x y^5 \zeta^2 \\
& + 5898240 x y^5 \omega^2 + 491520000 y^3 \zeta^2 x^3 - 245760000 y x^5 \zeta^2 - 2949120 x^3 z^3 \eta^2 \\
& + 5898240 x^5 \eta^2 w + 62914560 \xi y^6 \omega - 24576000 y^4 x \zeta^2 w - 20 \omega^2 w^2 x z^3 \\
& - 920 \omega w^4 y^2 x \zeta \lambda z^3 - 92160 y^5 \omega x \eta w^4 \lambda - 1920 \omega w^4 y^5 v x \eta \\
& - 3840 y^3 \omega w^3 z^3 x \zeta \mu + 3840 y^4 \omega w^4 z^2 \kappa \eta + 9600 y^4 \omega w^4 z x \zeta \lambda \\
& + 3840 y^2 \omega w^2 z x \zeta + 7680 y^4 \omega w^3 z^3 \kappa \zeta - 19200 y \omega w z^3 x \zeta - 640 \omega w^5 y^2 z x^2 \eta \kappa \\
& - 1920 y^2 \omega w^4 z x^3 \zeta \lambda - 3840 y^4 \omega w^4 z \mu x \eta - 3840 y^5 \omega w^4 z \kappa \zeta \\
& + 960 y^2 \omega w^3 z^4 x \zeta \lambda - 800 \omega w^4 y^2 z v x^3 \eta + 40 \omega w^4 y^2 z^3 x \eta \mu \\
& + 320 \omega w^4 y z^4 x \eta \lambda + 960 \omega w^5 y^3 z x \eta \lambda - 320 \omega w^5 y z x^3 \eta \lambda \\
& + 3840 y^5 \omega w^3 z x \zeta v + 15728640 y^8 \kappa \omega \zeta w^2 - 7680 y^3 \omega w^3 z^4 \kappa \eta \\
& + 5760 y^2 \omega w^3 z^4 x \eta \mu + 1920 y \omega w^2 z^2 x \eta - 7680 y^4 \omega w^3 z^3 \xi \mu \\
& + 7680 y^3 \omega w^3 z^4 \xi \lambda + 3840 y^5 \omega w^4 z \xi \mu - 3840 y^4 \omega w^4 z^2 \xi \lambda \\
& + 1920 y^3 \omega^2 w^2 z^4 x \mu + 640 \omega w^4 y^4 z v x \eta - 30720 x y^4 \omega^2 \lambda w^2 z^3 \\
& - 1966080 y^3 \omega^2 x^3 + 31457280 y^6 z^3 \kappa \omega \eta w - 7864320 y^5 z^4 \kappa \omega \eta w \\
& - 15728640 y^7 z \kappa \omega \eta w^2 - 346030080 y^7 z^2 \kappa \omega \zeta w - 1228800 x^3 y^2 \omega \zeta w \\
& + 20 \omega^2 w^3 y^2 x - 60 \omega w^4 y^2 \xi - 245760 z y^3 \omega w^3 x^3 \lambda \eta - 15360 y^3 \omega w^2 x \zeta \\
& + 737280 y^5 \omega z x \eta w^3 \lambda - 491520 y^4 \omega z v x^3 \eta w^2 + 491520 y^6 \omega z v x \eta w^2 \\
& + 983040 y^5 \omega z^3 \kappa \eta w^2 + 983040 y^6 \omega w^2 \kappa \zeta z^2 - 491520 y^4 \omega z x^2 \eta w^3 \kappa \\
& + 245760 y^3 \omega z^4 x \eta w^2 \lambda - 983040 y^5 \omega \xi z^3 \lambda w^2 + 491520 y^6 \omega \xi z w^3 \lambda \\
& - 737280 y^3 \omega z x \eta w + 245760 y^4 \omega^2 z^4 x \lambda w - 245760 y^5 \omega^2 z^3 x \mu w
\end{aligned}$$

$$\begin{aligned}
& -491520 y^7 \omega \xi \mu w^3 + 491520 y^4 \omega \xi z w + 1228800 y^4 \omega \mu w^3 x^3 \eta \\
& -737280 y^6 \omega \mu w^3 x \eta + 491520 y^7 \omega \kappa \zeta w^3 + 491520 y^5 \omega x^2 \zeta w^3 \kappa \\
& -737280 y^5 \omega x \zeta w^2 \mu z^2 - 1228800 y^6 \omega x \zeta w^3 \lambda - 491520 y^7 \omega x \zeta v w^2 \\
& + 737280 y^4 \omega x \zeta w - 491520 y^6 \omega z w^3 \kappa \eta + 491520 y^5 \omega x^3 \zeta v w^2 \\
& -3932160 y^5 \omega x \zeta z^3 \mu w - 737280 y^4 \omega x \zeta w^2 \lambda z^3 + 245760 y^4 \omega x^3 \zeta w^3 \lambda \\
& + 1228800 y^4 \omega z^4 x \zeta \mu w + 1966080 y^5 \omega z^2 x \zeta \lambda w^2 + 1966080 y^7 \omega w^3 \kappa \eta \\
& -1966080 y^5 \omega w \kappa \zeta z^4 + 5406720 y^3 \omega z^2 x \zeta - 9830400 y^2 x^3 \omega \zeta z + 20 \omega^2 w^5 x^5 \lambda \\
& + 15360 y^3 \omega w^2 \xi z - 20 \omega w^4 \xi x^2 + 4915200 y x \zeta z^4 \eta - 9830400 y^2 x^2 \zeta \xi z w \\
& + 14745600 y^3 x \zeta z \eta w - 4915200 y x^3 \zeta z \eta w + 3932160 y^6 \kappa \omega z^2 \eta w^2 \\
& + 7864320 y^6 \kappa \omega z^3 \zeta w - 7864320 y^4 x^3 \omega \lambda z \eta w^2 - 100 \omega w^4 x^2 \kappa \zeta z^4 \\
& + 15360 y^6 \omega w^4 \kappa \zeta + 76800 \zeta z^2 y^2 x \omega w - 61440 y^4 \omega \xi w^2 - 3840 y^3 \omega w^4 z x^2 \zeta \kappa \\
& -960 \omega w^4 z^3 x \eta \lambda y^2 - 960 \omega w^4 z^3 \xi y^3 \lambda - 960 \omega^2 w z^3 y x + 1920 \omega w^3 z^4 \xi \mu y^3 \\
& -480 \omega w^2 z^3 x \eta - 40 \omega w^6 y^3 x \eta \lambda - 960 \omega w^4 z^2 \xi \mu y^4 - 960 \omega w^2 z^3 \xi y \\
& -960 \omega^2 w^3 z^3 y^3 x \lambda + 960 \omega w^4 z^3 y^3 \kappa \eta + 960 \omega w^4 z^2 \kappa \zeta y^4 - 4800 \omega w^4 z^2 \mu y^3 x \eta \\
& + 1920 \omega w^4 z^2 x \zeta y^3 \lambda + 1200 \omega w^3 z^4 x \zeta y^2 \mu - 1920 \omega w^3 z^4 y^3 \kappa \zeta - 400 \omega w^3 x^3 \zeta \\
& -60 \omega w^5 y^4 x v \eta + 60 \omega w^4 y^2 \xi z^4 \mu - 30 \omega w^5 y^3 \xi \mu z^2 - 60 \omega w^6 y^4 \xi \lambda \\
& + 200 \omega w^5 y^4 x \zeta \mu - 200 \omega w^5 y^2 x^3 \zeta \mu - 50 \omega^2 w^4 y^3 x \mu z^2 - 60 \omega w^4 y^2 z^4 \kappa \zeta \\
& + 30 \omega w^5 y^3 \kappa \zeta z^2 + 40 \omega w^6 y^2 x^2 \eta \kappa - 195 \omega w^5 y^2 x \eta \mu z^2 + 3840 \omega w z^4 x \eta \\
& -983040 x y^5 \omega^2 \lambda z^3 w + 1920 \omega w^4 x^3 v \eta y^3 + 491520 z y^2 \omega \xi w x^2 \\
& -245760 z^4 y^4 \omega \kappa \eta w^2 + 160 \omega^2 w^2 z x^3 + 184320 z^4 y^3 \omega x \eta w^2 \mu \\
& -122880 z^2 y^5 \omega \xi w^3 \lambda + 61440 z^2 y^2 \omega x \eta w + 122880 z y^6 \omega \xi \mu w^3 \\
& -122880 z^2 y^3 \omega \xi w + 245760 z^4 y^2 \omega \xi - 160 \omega^2 w^4 z x^5 \lambda + 61440 z^4 y^4 \omega^2 x \mu w \\
& -245760 z^3 y^5 \omega \xi \mu w^2 + 245760 z^4 y^4 \omega \xi \lambda w^2 - 122880 z y^6 \omega \kappa \zeta w^3 \\
& + 30720 z^4 y^3 \omega x \zeta w^2 \lambda - 61440 z y^3 \omega x^3 \zeta w^3 \lambda - 122880 z y^5 \omega \mu w^3 x \eta \\
& -122880 z^3 y^4 \omega x \zeta w^2 \mu + 307200 z y^5 \omega x \zeta w^3 \lambda + 122880 z y^6 \omega x \zeta v w^2 \\
& -122880 z y^4 \omega x^3 \zeta v w^2 + 245760 z^3 y^5 \omega w^2 \kappa \zeta + 122880 z^2 y^5 \omega w^3 \kappa \eta \\
& + 122880 z y^3 \omega x \zeta w - 122880 z^3 y^2 \omega x \zeta + 160 \omega w^3 z \xi x^2 - 440 \omega w^2 z^3 x \zeta \\
& -1966080 y^4 z \lambda \omega x^3 \zeta w^2 + 38400 y^3 \omega w^4 \mu x^3 \eta - 23040 y^5 \omega w^4 \mu x \eta \\
& + 15360 y^4 \omega w^3 x^3 \zeta v - 983040 y^3 \omega \xi z^3 - 15360 y^6 \omega w^3 x \zeta v \\
& -23040 y^4 \omega w^3 x \zeta \mu z^2 - 491520 y^4 \omega^2 z x + 61440 y^6 \omega \kappa \eta w^4 + 80 \omega w^3 z^2 x \eta \\
& + 245760 z y \omega x^3 \eta w + 30720 \omega x^3 \eta w^4 y^3 \lambda + 61440 \omega x^3 \eta w^3 v y^4 \\
& + 15360 y^5 \omega w^3 z v x \eta - 15360 y^3 \omega w^3 z v x^3 \eta + 7680 y^2 \omega w^3 z^4 x \eta \lambda \\
& + 23040 y^4 \omega w^4 z x \eta \lambda - 15360 y^3 \omega w^4 z x^2 \eta \kappa + 15360 y^5 \omega w^4 \xi z \lambda
\end{aligned}$$

$$\begin{aligned}
& -7680 y^4 \omega^2 w^2 z^3 x \mu + 7680 y^3 \omega^2 w^2 z^4 x \lambda - 307200 y^6 \omega w^3 x \zeta \mu \\
& + 307200 y^4 \omega w^3 x^3 \zeta \mu - 15360 y^6 \omega w^4 \xi \mu + 7680 y^3 \omega w^4 x^3 \zeta \lambda \\
& - 23040 y^3 \omega w^3 x \zeta \lambda z^3 - 30720 z^3 y^3 \omega x \eta w^3 \lambda - 15360 z^3 y \omega x \eta w \\
& - 30720 z^3 y^4 \omega \xi w^3 \lambda - 30720 z^3 y^2 \omega^2 x + 61440 z^4 y^4 \omega \xi \mu w^2 \\
& - 30720 z^2 y^5 \omega \xi \mu w^3 - 30720 z^3 y^2 \omega \xi w - 153600 z^2 y^4 \omega \mu w^3 x \eta \\
& + 30720 z^2 y^5 \omega \kappa \zeta w^3 + 61440 z^2 y^4 \omega x \zeta w^3 \lambda + 38400 z^4 y^3 \omega x \zeta w^2 \mu \\
& + 30720 z^3 y^4 \omega w^3 \kappa \eta - 61440 z^4 y^4 \omega w^2 \kappa \zeta + 491520 z y^2 \omega^2 x^3 + 7680 y \omega w z^4 \xi \\
& - 3840 y^2 \omega w^2 z^2 \xi - 3932160 y^7 \kappa \omega z \zeta w^2 + 7680 \omega^2 z^4 x y - 983040 y^2 x^3 \omega \eta w \\
& - 20 \omega^2 w^3 x^3 - 1966080 y^3 x^2 \omega w \xi - 20 \omega w^6 x^4 \kappa \eta - 60 \omega w^6 z y^3 \kappa \eta \\
& + 50 \omega w^6 x^2 \zeta y^2 \kappa + 125 \omega w^5 x \zeta z \mu y^3 + 400 \omega w^5 x^5 \zeta \lambda + 314572800 y^6 \omega \kappa \zeta z^4 \\
& - 125829120 y^9 \omega^2 \kappa w - 188743680 y^8 \omega \kappa \eta w^2 + 5 \omega w^5 z v y x^3 \eta \\
& - 35 \omega w^5 z v y^3 x \eta - 10 \omega w^5 z^3 \kappa \eta x^2 + 30 \omega w^5 z^3 \kappa \eta y^2 + 10 \omega w^6 z x^2 \eta \kappa y \\
& + 5 \omega w^6 z x^3 \eta \lambda - 5 \omega w^5 z^4 x \eta \lambda + 10 \omega w^5 \xi x^2 \lambda z^3 + 100 \omega w^4 \xi x^2 \mu z^4 \\
& + 30 \omega w^5 \xi z v y^4 + 60 \omega w^6 \xi z y^3 \lambda - 30 \omega w^3 \xi z^3 - 30 \omega w^5 \xi z^3 \lambda y^2 - 5 \omega w^4 z x \eta \\
& - 15 \omega w^6 z x \eta \lambda y^2 - 50 \omega w^5 z^3 x \eta \mu y + 20 \omega w^6 \xi x^4 \lambda - 90 \omega w^6 \xi \mu y^4 \\
& + 30 \omega w^4 \xi z y - 5 \omega^2 w^4 z^4 y x \lambda - 50 \omega^2 w^4 z^3 y^2 x \mu + 25 \omega^2 w^5 z y^3 x \lambda \\
& - 20 \omega w^5 x^5 v \eta - 100 \omega w^3 x^3 v \zeta z^4 + 5 \omega^2 w^5 z y x^3 \lambda + 15 \omega^2 w^3 z y x \\
& + 50 \omega^2 w^4 x^3 \mu y z^2 + 100 \omega^2 w^3 x^3 \mu z^4 - 7680 \omega w^4 z x^3 \lambda \eta y^2 - 50 \omega^2 w^5 \mu y^4 x \\
& + 50 \omega^2 w^5 \mu y^2 x^3 + 90 \omega w^6 \kappa \zeta y^4 + 10 \omega w^5 x \zeta y \lambda z^3 - 10 \omega w^6 x^3 \zeta y \lambda \\
& - 130 \omega w^6 x \zeta y^3 \lambda - 25 \omega w^5 x \zeta v y^4 - 125 \omega w^5 x^3 \zeta z \mu y - 70 \omega w^4 x \zeta y \\
& - 75 \omega w^5 x \zeta y^2 \mu z^2 + 25 \omega w^5 x^3 \zeta v y^2 + 105 \omega w^5 x^3 \mu z^2 \eta + 35 \omega w^6 \mu y x^3 \eta \\
& + 55 \omega w^6 \mu y^3 x \eta - 30 \omega^2 w^5 z y^4 \kappa + 50 \omega w^5 z^2 x^2 \zeta \kappa y - 80 \omega w^5 z^2 x^3 \zeta \lambda \\
& - 122880 z y^4 \omega x^2 \zeta w^3 \kappa - 1920 \omega w^3 \xi y^3 - 61440 y^6 \omega \xi \lambda w^4 \\
& - 3932160 x y^6 \omega^2 z^2 \lambda w - 2949120 x y^6 \eta \omega \lambda w^3 - 288817152 x y^7 \zeta \omega \lambda w^2 \\
& - 1297612800 x y^7 \omega \mu z \eta w - 865075200 x y^8 \omega^2 \mu z - 566231040 x y^7 \eta \omega \lambda w^2 \\
& - 125829120 x y^8 \eta v \omega w - 179109888 x y^8 \zeta v \omega w - 196608000 x y^8 \zeta v z \omega \\
& + 29491200 x y^6 \zeta z^3 \mu \omega - 294912000 x y^7 \zeta z \lambda \omega w - 1966080 x y^7 \omega v \eta w^2 \\
& - 322437120 x y^8 \omega^2 \lambda w + 106070016 x \zeta \mu y^7 w^2 \omega + 2654208000 x y^8 \zeta \mu \omega w \\
& - 10813440 x y^2 \eta^2 z^3 + 3932160 x y^8 \omega^2 v w + 98304 x y^4 \eta \zeta w \\
& - 7864320 x z y^6 \eta \omega \lambda w^2 + 575078400 x z y^7 \zeta \mu \omega w + 7864320 x y^4 \eta \omega \lambda z^4 w \\
& + 452198400 x y^5 \zeta z^4 \mu \omega - 475103232 x y^6 \zeta z^2 \mu \omega \omega - 323420160 x y^6 \zeta z^2 \lambda \omega w \\
& + 15040512 x \zeta z^3 \lambda y^5 \omega w - 3932160 x y^7 \omega^2 v z^2 - 318504960 x y^7 \omega^2 \mu z^2 \\
& - 86016000 x y^3 \zeta \eta z^2 - 707788800 x y^6 \omega \mu z^2 \eta w - 26836992 x y^2 \eta \zeta z^3
\end{aligned}$$

$$\begin{aligned}
& + 678297600 x y^5 \zeta z^4 \lambda \omega + 147456000 x y^4 \zeta \eta z - 141557760 x y^5 \eta \omega \lambda z^3 w \\
& + 353894400 x y^5 \eta \omega \mu z^4 + 5898240 x y^3 \eta^2 z w + 23592960 x y^7 \eta \omega \mu w^2 \\
& - 145489920 x y^6 \omega^2 \lambda z^3 + 196608000 x^7 \zeta v z y^2 \omega + 471859200 x^3 \omega \lambda y^5 \eta w^2 \\
& - 1336934400 x^5 \omega^2 \mu z y^4 + 1966080000 x^3 \omega^2 \mu z y^6 - 157286400 x^3 \zeta z^4 \lambda y^3 \omega \\
& - 180879360 x^5 \omega^2 \lambda y^4 w + 358219776 y^6 \zeta x^3 v \omega w - 589824000 y^4 \zeta v x^5 z \omega \\
& + 589824000 y^6 \zeta v x^3 z \omega + 479723520 x^3 \omega^2 \lambda y^6 w - 11796480 x^5 \omega^2 \lambda z^3 y^2 \\
& + 186777600 x^5 \zeta z^3 \mu y^2 \omega - 1081344000 x^7 \zeta \mu \omega y^2 w + 62914560 x^3 \omega^2 \lambda z^3 y^4 \\
& - 98304000 y^3 \zeta z x^2 \xi - 412876800 y^4 \zeta z^4 x^2 \kappa \omega + 235929600 x^7 \omega^2 \mu z y^2 \\
& - 216268800 y^4 \zeta z^3 \mu x^3 \omega + 1966080 y^5 \omega x^3 v \eta w^2 + 4816896000 y^4 \zeta x^5 \mu \omega w \\
& - 3932160 y^6 \omega^2 x^3 v w - 3932160 z^3 y^4 \omega^2 \mu x^3 - 179109888 x^5 \zeta v \omega y^4 w \\
& + 78643200 x^3 \omega \lambda z^3 \eta y^3 w + 98304000 x^7 \zeta z \lambda \omega y w - 203685888 x^4 \zeta y^4 \omega \kappa w^2 \\
& + 366084096 x^3 \zeta y^5 \omega \lambda w^2 + 1966080 y^5 \eta \omega \kappa x^2 w^3 - 3932160 x y^6 \omega \eta z \mu w^2 \\
& - 3932160 x y^8 \omega^2 \mu w + 1966080 x y^3 \omega \eta z^2 + 11796480 x y^6 \omega^2 \mu z^2 w \\
& - 24870912 x y^4 \omega \zeta z - 983040 x y^4 \omega \eta z + 3932160 x y^8 \omega^2 v z \\
& + 7864320 x y^7 \omega^2 \lambda w^2 - 34701312 x y^7 \omega \zeta z v w - 67436544 x y^6 \omega \zeta z \lambda w^2 \\
& + 3932160 x y^5 \omega^2 z^4 \lambda + 2949120 x y^4 \omega \eta w - 9830400 x y^5 \omega^2 \mu z^4 \\
& + 7864320 x y^7 \omega^2 z \mu w + 5898240 x y^4 \omega \eta w \mu z^4 - 4915200 x y^5 \omega \eta w^2 \mu z^2 \\
& - 3932160 x y^6 \omega^2 z^3 \mu - 31457280 x y^5 \eta \omega - 3932160 y^4 \omega^2 x^5 \mu w \\
& + 498696192 y^4 \zeta z^2 \mu x^3 \omega w - 49152000 y x^5 \omega \lambda \zeta z^4 + 98304000 y \xi x^4 \zeta z \\
& + 117964800 y x^7 \omega \mu z \eta w + 3932160 y \xi \eta w x^4 - 117964800 y x^5 \omega \mu z^4 \eta \\
& + 15360 y^4 \omega w^4 x^2 \zeta \kappa - 188743680 x^4 \omega \kappa y^4 \eta w^2 - 7864320 x^3 \omega \mu y^5 \eta w^2 \\
& + 377487360 x^2 y^6 \omega \kappa \eta w^2 - 106070016 \zeta \mu y^5 w^2 x^3 \omega - 125829120 y^4 \eta x^5 v \omega w \\
& + 251658240 y^6 \eta x^3 v \omega w - 15360 y^5 \omega w^4 z \kappa \eta - 77266944 x^5 \zeta \omega \lambda y^3 w^2 \\
& - 94371840 x^5 \omega \lambda \eta y^3 w^2 + 78643200 x^3 \omega \mu y^3 \eta z^4 - 220200960 x^4 \omega^2 \kappa y^5 w \\
& + 98304000 x^4 \zeta z^4 \kappa \omega y^2 + 23592960 x^7 \omega^2 \lambda y^2 w + 47185920 x^6 \omega^2 \kappa y^3 w \\
& + 7864320 x^5 y^3 \omega^2 z \lambda w + 983040 x^3 y^2 \omega \eta z + 35684352 y^2 \eta x^3 \zeta w \\
& + 298844160 x^2 y^7 \omega^2 \kappa w - 31457280 x^2 \kappa \omega y^4 z^3 \eta w + 196608000 x^6 \zeta z \kappa \omega y^2 w \\
& + 27525120 x^2 \xi \eta y^3 w - 196608000 x^3 \zeta y^2 \eta z - 1101004800 x^4 \omega \mu y^4 \xi z w \\
& - 491520000 x^5 \zeta z \lambda y^3 \omega w + 235929600 x^6 \omega \mu \xi z y^2 w - 904396800 x^5 \omega \mu z y^3 \eta w \\
& + 2084044800 x^3 \omega \mu y^5 z \eta w + 688128000 y^5 \zeta z \lambda \omega w x^3 \\
& + 196608000 y^6 \zeta z x^2 \kappa \omega w - 393216000 y^4 \zeta z x^4 \kappa \omega w + 865075200 y^6 \omega \mu x^2 \xi z w \\
& - 6389760000 y^6 \zeta x^3 \mu \omega w - 3932160 \xi y^6 z^2 \omega \lambda w^2 - 251658240 \xi y^7 x^2 \omega v w \\
& - 15728640 \xi y^8 \mu w^2 \omega + 188743680 \xi y^8 \omega \lambda w^2 + 125829120 \xi y^9 \omega v w
\end{aligned}$$

$$\begin{aligned}
& -7864320 y^5 \omega^2 z \lambda w x^3 + 7864320 y^6 \omega^2 x^3 \mu w - 7864320 y^5 \omega^2 z \mu x^3 w \\
& + 7864320 y^4 \omega^2 z^4 x^2 \kappa + 7864320 y^6 \omega^2 z x^2 \kappa w - 7864320 y^4 \omega^2 z x^4 \kappa w \\
& + 3932160 y^4 \omega^2 v x^5 z + 15728640 z x^2 y^5 \omega \kappa \eta w^2 - 599654400 z y^5 \zeta x^3 \mu \omega w \\
& + 24576000 z y^3 \zeta x^5 \mu \omega w + 23592960 x^4 y^3 \omega^2 \kappa z^3 - 129761280 x^5 \omega^2 \mu z^2 y^3 \\
& + 3932160 x^3 \omega^2 \lambda z^2 w y^4 + 448266240 x^3 \omega^2 \mu z^2 y^5 - 3932160 x^3 \omega^2 \lambda z^4 y^3 \\
& + 40 \omega^2 w^5 y^4 x \lambda - 460062720 y^3 \zeta z^4 \mu x^3 \omega + 38633472 z^3 \zeta \lambda x^3 \omega y^3 w \\
& + 12288000 x^3 \zeta y \eta z^2 - 122290176 \xi y^3 x^2 \zeta w + 187957248 y^6 \zeta \omega \kappa x^2 w^2 \\
& - 983040 \xi y^6 z^2 \omega \mu w^2 - 314572800 \xi y^6 \omega \mu z^4 - 23592960 y^5 \omega^2 x^2 \kappa z^3 \\
& - 7864320 y^6 \omega^2 \kappa x^2 w^2 - 7864320 y^6 \omega^2 v x^3 z + 34701312 y^5 \omega \zeta z v w x^3 \\
& + 73334784 y^5 \omega \zeta z \kappa x^2 w^2 + 47185920 x^7 v y^3 \omega^2 - 164659200 z y^2 \zeta^2 x^3 \\
& + 49152000 x^5 \zeta z \eta - 15728640 y^2 x^3 w \xi^2 - 15728640 y^2 \eta^2 w x^3 + 7864320 y^3 \eta x^3 \omega \\
& + 53673984 x y^3 \zeta^2 z^2 - 47185920 x y^9 v \omega^2 - 126517248 x y^5 \omega \zeta \\
& + 164659200 x z y^4 \zeta^2 - 5898240 x y^4 \eta^2 w + 15728640 \xi y^7 z \omega \lambda w^2 \\
& + 1966080 \xi y^2 z x^2 \eta w + 47185920 \xi^2 y^3 z x w + 7864320 \xi y^5 \omega \lambda z^4 w \\
& + 1966080 \xi y^5 z^4 \omega \mu w - 1966080 \xi y^7 \omega w^3 \lambda + 3932160 \xi y^7 z \mu w^2 \omega \\
& - 55050240 \xi y^4 z \eta w + 15728640 \xi y^3 z x^2 \omega + 346030080 \xi y^7 z^2 \mu \omega w \\
& - 31457280 \xi y^6 z^3 \lambda \omega w + 152371200 \xi y^2 x^2 \zeta z^2 - 7864320 \xi y^6 \omega \mu z^3 w \\
& + 23592960 x^5 y \omega \eta - 1966080 \xi y x^2 \eta z^3 + 125829120 \xi y^5 x^4 \omega v w \\
& - 60 \omega^2 w^5 y^2 x^3 \lambda + 60 \omega w^6 y^4 \kappa \eta + 40 \omega w^4 y x \eta - 15728640 \xi y^5 z \omega \\
& + 15728640 \xi y^3 z^3 \zeta - 78643200 \xi y^4 \zeta z^2 + 47185920 \xi y^3 \eta z^3 - 7864320 \xi y^2 \eta z^4 \\
& + 7864320 \xi y^2 x^4 \omega - 31457280 \xi^2 y^2 x z^3 - 3932160 \xi y^4 z^2 \omega - 70778880 \xi y^4 x^2 \omega \\
& - 1966080 \xi y^5 w \omega + 86507520 \xi y^5 \zeta w + 126517248 y^3 \omega x^3 \zeta \\
& + 141557760 x^3 v y^7 \omega^2 - 141557760 x^5 v y^5 \omega^2 - 983040 x y^4 \omega \eta w^2 \lambda z^3 \\
& - 77266944 x^2 \kappa \omega y^4 z^3 \zeta w + 24576000 x^5 \zeta z^2 \lambda y^2 \omega w + 15728640 y^4 \zeta z^2 \lambda \omega w x^3 \\
& + 395182080 y^5 \zeta z^2 x^2 \kappa \omega w - 49152000 y^3 \zeta z^2 x^4 \kappa \omega w \\
& + 361758720 x^3 \omega \mu y^4 z^2 \eta w + 3932160 y^5 \omega^2 v x^3 z^2 - 38400 y^5 \omega w^4 x \zeta \lambda \\
& - 122880 z^4 y \omega x \eta + 175 \omega w^4 z^4 x \zeta \mu y + 60 \omega w^5 z^2 x \zeta \lambda y^2 + 80 \omega w^3 z^2 x \zeta, \\
& "-----"
\end{aligned}$$

$$\begin{aligned}
& -12 y^7 \omega^3 \kappa \zeta w^2 - 16 y^5 \omega^3 \xi + 70 y^4 \omega^3 x^3 \mu z \zeta w - 70 y^6 \omega^3 x \mu z \zeta w \\
& - 20 y^2 \omega^3 x^3 \mu z^4 \eta - 20 y^4 \omega^3 x \mu \eta z^4 + 12 y^3 \omega^3 \xi x^2 - 150 x \zeta^3 z y^2 \eta w \\
& + 250 x \zeta^4 y^3 w - 5 x y^3 \omega^2 \zeta \eta z + 36 x y^6 \omega^3 \eta \lambda w^2 - 10 x y^6 \omega^3 \zeta \lambda w^2 \\
& - 11 x y^7 \omega^3 \zeta v w - 30 x \zeta^3 y^2 \omega z^2 + 10 y^2 \omega^3 \zeta z x^5 \lambda w + 8 y^4 \omega^4 v x^5 \\
& + 20 y^3 \omega^3 \zeta z x^4 \kappa w - 5 \omega \eta^2 \zeta z x^3 w - 5 x y^4 \omega^3 \zeta + 2 x y^4 \omega^3 \eta + 8 x y^8 \omega^4 v
\end{aligned}$$

$$\begin{aligned}
& + 5x\zeta^2y^4\omega^2 - 50x\zeta^3z^4\eta + 100x\zeta^4yz^3 - 100x\zeta^3y^3\omega z - 11y^3\omega^3\zeta z^2\lambda w x^3 \\
& - 20y^5\omega^3\zeta z x^2\kappa w + 40y^3\omega^3\mu x^4\xi z w - 40y^5\omega^3\mu x^2\xi z w - 80y^4\omega^3\mu x^3z\eta w \\
& - 40y^4\omega^3\zeta z\lambda w x^3 - 32y^4\omega^3\zeta z^2x^2\kappa w + 300y^5\omega^3\zeta x^3\mu w - 40y^5\omega^3\zeta v x^3z \\
& + 4y^4\omega^4x^2\kappa z^3 + 10y^3\omega^3\zeta z^4x^2\kappa - 24y^6\omega^4x^2\kappa w + 8y^4\omega^4x^4\kappa w \\
& - 22y^4\omega^4\mu x^3z^2 - 2y^5\omega^4z v x^3 - 5y\omega^2\zeta x^3z\eta + 35y^3\omega^3\zeta z^3\mu x^3 \\
& - 27y^4\omega^3\zeta v x^3z^2 + 6y^5\omega^4x^3\mu w + 20y^2\omega^3\mu x^5z\eta w - 16y^5\omega^3v x^3\eta w \\
& - 12y^4\omega^3x^3\eta\lambda w^2 - 150y^3\omega^3\zeta x^5\mu w + 20y^3\omega^3\zeta v x^5z - 24y^5\omega^3\eta\kappa x^2w^2 \\
& - 250\zeta^4x^3y w + 2y^2\omega^3x^3\eta - 16y^6\omega^4v x^3 + 22y^5\omega^3\zeta\kappa x^2w^2 + 11y^5\omega^3\zeta x^3v w \\
& + 50\zeta^3z x^3\eta w + 100\zeta^3x^2\xi z y w + 35\zeta^2y\omega\eta w x^3 + 100\zeta^3y\omega x^3z \\
& - 5y^2\omega^3x^3\lambda\zeta z^4 - 2y^3\omega^4\lambda z^3x^3 - 24y^5\omega^4x^3\lambda w + 4y^3\omega^4x^5\lambda w + 100y^4\omega\xi\zeta^2w \\
& + 40y^2\omega\xi\zeta^2z^3 - 4y^4\omega^3\xi z - 44y^6\omega^3\xi\mu z^2w - 8y^6\omega^3\xi z\lambda w^2 + 4y^5\omega^3\xi\lambda z^3w \\
& - 4y^7\omega^3\xi v z w + 16y^6\omega^3\xi x^2v w + 8y^3\omega^2\xi^2x w + 40y^2\omega\xi^2\zeta x z w \\
& - 60y^3\omega\xi\zeta z\eta w + 10y\omega\xi\zeta z x^2\eta w - 12y^3\omega^2\xi z^2\zeta - 4y^2\omega^2\xi z^3\eta \\
& + 12y^7\omega^3\xi\mu w^2 - 24y^7\omega^3\xi\lambda w^2 + 40y^5\omega^3\xi\mu z^4 - 16y^8\omega^3\xi v w \\
& + 50y^2\omega^2\xi x^2\zeta z + 4y^2\omega^2\xi\eta w x^2 - 12y^4\omega^2\xi\eta w - 20y\omega\xi\zeta z^4\eta \\
& - 80y^2\omega\xi x^2\zeta^2w - 40y^4\omega^2\xi\zeta z + 2xy^7\omega^4z v + 15x\omega\eta^2\zeta z y^2w + 5x\omega\eta^2\zeta z^4 \\
& - 6xy^7\omega^4\mu w + 40xy^7\omega^4\mu z + 22xy^6\omega^4\mu z^2 + 35xy^5\omega^3\zeta z^2\lambda w \\
& + 33xy^4\omega^3\zeta z^4\mu + 27xy^6\omega^3\zeta v z^2 + 20xy^7\omega^4\lambda w + 10xy^5\omega^4\lambda z^3 \\
& + 4xy^6\omega^3z v\eta w + 44xy^5\omega^3\mu z^2\eta w - 12xy^6\omega^3\mu\eta w^2 + 30xy^6\omega^3\zeta z\lambda w \\
& + 16xy^7\omega^3v\eta w + 12xy^4\omega^3\eta\lambda z^3w - 35xy^5\omega^3\zeta z^3\mu - 25xy^4\omega^3\zeta z^4\lambda \\
& - 150xy^7\omega^3\zeta\mu w + 60xy^6\omega^3\mu z\eta w - 33xy^5\omega^3\zeta\mu z^2w + 20xy^7\omega^3\zeta v z \\
& - 20x\zeta^2y\omega z^3\eta - 55x\zeta^2y^3\omega\eta w - 80y^5\omega^4\mu x^3z + 40y^3\omega^4\mu x^5z - 5\zeta^2y^2\omega^2x^3 \\
& + 8y^6\omega^3\kappa z\eta w^2 + 44y^6\omega^3\kappa z^2\zeta w - 4y^5\omega^4\kappa z x^2w + 4y^7\omega^4\kappa z w \\
& - 4y^5\omega^3\kappa z^3\eta w + 24y^7\omega^3\kappa\eta w^2 + 16y^8\omega^4\kappa w - 40y^5\omega^3\kappa\zeta z^4,
\end{aligned}$$

"-----"

$$\begin{aligned}
& 2684y^5\omega^2\zeta^2\lambda z^3w - 1342y^7\omega^3\zeta z\lambda w + 1342y^5\omega^3\zeta z x^2\lambda w \\
& - 1342y^6\omega^2\zeta z\eta\lambda w^2 - 2684y^6\omega^2\zeta z v x w\xi + 2684y^7\omega^2\zeta z v\eta w \\
& - 2684y^5\omega^2\zeta^2x^2\lambda w^2 + 33500\zeta^4z y^4 + 5255\zeta^3y^5\omega - 3355\zeta^2y^5\omega^2 + 10920\zeta^4y^3z^2 \\
& + 55330y^7\omega^2\zeta^2z\lambda w - 5368y^4\omega^2\zeta x^3\eta\kappa w^2 + 2684y^4\omega^2\zeta x\kappa\eta z^3w \\
& + 25600y^4\xi^2\omega\zeta z + 5120y^6\xi^2\omega^2z\lambda w^2 + 12800y\xi^2\zeta z^4\eta + 2560y^7\xi^2\omega^2v z w \\
& - 6400y\xi^2\zeta z x^2\eta w - 2560y^5\xi^2\omega^2\lambda z^3w + 28160y^6\xi^2\omega^2\mu z^2w \\
& - 25600y^2\xi^3\zeta x z w + 38400y^3\xi^2\zeta z\eta w - 25600y^5\omega^3x^3\zeta\kappa z
\end{aligned}$$

$$\begin{aligned}
& -17280 y^4 \omega^3 x^3 \zeta \kappa z^2 + 12800 y^3 \omega^3 x^5 \zeta \kappa z + 17280 y^6 \omega^3 x \zeta \kappa z^2 \\
& + 12800 y^7 \omega^3 x \zeta \kappa z + 6400 y^2 \omega^2 x^5 \zeta \kappa z \eta w - 7040 y^3 \omega^2 x^3 \zeta \kappa z^2 \eta w \\
& + 7680 y^4 \xi^2 \omega \eta w + 10240 y^8 \xi^2 \omega^2 v w - 25600 y^5 \xi^2 \omega^2 \mu z^4 + 15360 y^7 \xi^2 \omega^2 \lambda w^2 \\
& - 7680 y^7 \xi^2 \omega^2 \mu w^2 + 9600 \zeta \omega^3 \mu y^9 + 2560 y^2 \xi^2 \omega z^3 \eta - 3200 y \eta^3 \zeta z x^2 w \\
& + 7680 y^3 \xi^2 \omega z^2 \zeta - 2460 y^6 \omega^3 \mu w z x \xi + 2460 y^7 \omega^3 \mu w \eta z - 1230 y^6 \omega^4 \mu z x^2 \\
& + 4920 y^5 \omega^4 \mu x^4 - 5120 y^2 \omega^2 x^4 \lambda \zeta z^2 \eta w - 32000 y^4 \omega^3 x^4 \lambda \zeta z \\
& + 6400 y^2 \omega^3 x^6 \lambda \zeta z - 15680 y^3 \omega^3 x^4 \lambda \zeta z^2 + 3200 y \omega^2 x^6 \lambda \zeta z \eta w \\
& + 23040 y^5 \omega^3 x^2 \lambda \zeta z^2 - 4800 y \omega^2 x^4 \lambda \zeta z^4 \eta + 44800 y^6 \omega^3 x^2 \lambda \zeta z \\
& - 5120 y^3 \xi^3 \omega x w - 3200 y^2 \omega^2 x^3 \zeta \kappa z^4 \eta - 10240 y^7 \omega^3 \eta v x^2 + 6400 y^7 \omega^2 \eta^2 \mu w^2 \\
& - 23040 y^7 \omega^3 \eta \mu z^2 + 59200 \zeta x^6 \omega^2 \mu y^2 \eta w + 8800 \zeta x^4 \omega^2 \mu y^2 z^3 \eta \\
& + 28800 \zeta x^4 \omega^3 \mu y^5 - 28800 \zeta x^2 \omega^3 \mu y^7 - 9600 \zeta x^6 \omega^3 \mu y^3 - 7360 y^7 \omega^3 \zeta \lambda z^2 \\
& - 19200 y^8 \omega^3 \zeta \lambda z + 2560 y^5 \xi \omega^3 \kappa z x^2 w - 2560 y^7 \xi \omega^3 \kappa z w \\
& - 5120 y^6 \xi \omega^2 \kappa z \eta w^2 - 28160 y^6 \xi \omega^2 \kappa z^2 \zeta w + 3355 y \zeta^2 \eta^2 z^4 - 51200 y^8 \omega^3 \eta \mu z \\
& + 5120 y^5 \omega^3 \eta v x^4 - 6400 y^3 \omega^2 x^4 \eta^2 \mu w^2 - 6400 y^2 \omega^2 x^4 \eta^2 \mu z^2 w \\
& - 12800 y \omega^2 x^6 \eta^2 \mu z w + 6400 y \omega^2 x^4 \eta^2 \mu z^4 - 3940 y^4 \omega^3 x^4 \eta \mu w \\
& + 12800 y^3 \omega^2 x^2 \eta^2 \mu z^4 - 15360 y^7 \xi \omega^2 \kappa \eta w^2 + 25600 y^5 \xi \omega^2 \kappa \zeta z^4 \\
& - 10240 y^8 \xi \omega^3 \kappa w + 5368 y^9 \omega^3 \zeta v + 7680 y^7 \xi \omega^2 \kappa \zeta w^2 - 1858 y^5 \omega^2 \eta \zeta \\
& + 640 y^8 \omega^4 \lambda z + 5120 y^9 \omega^3 \eta v + 1280 y^3 \omega^2 \eta^2 x^2 + 3200 y \eta^3 \zeta z^4 + 2560 y^4 \xi^2 \omega^2 z \\
& + 9600 y^3 \eta^3 \zeta z w + 1280 y^2 \omega^3 x^6 \lambda \eta w - 640 y^2 \omega^3 x^4 \lambda z^3 \eta - 640 y^4 \omega^4 x^4 \lambda z \\
& - 2560 y^7 \omega^4 x^2 \lambda - 64000 y^4 \xi^2 \zeta^2 w - 2560 y^5 \omega^4 x^4 \lambda + 2560 y^3 \omega^4 x^6 \lambda \\
& + 6400 y^5 \omega^2 \eta^2 \mu z^4 - 25600 y^2 \xi^2 \zeta^2 z^3 - 5120 y^6 \omega^2 \eta^2 z \lambda w^2 + 6400 y^5 \omega^3 \eta z x^2 \lambda w \\
& - 17280 y^5 \omega^2 \eta \zeta v x^2 z^2 + 2380 y^5 \omega^2 \eta \zeta z^4 \mu + 58240 y^5 \omega^2 \eta \zeta z^2 x \kappa w \\
& + 1920 y^4 \omega^2 \eta \zeta z^2 \lambda w x^2 + 17280 y^7 \omega^2 \eta \zeta v z^2 + 28160 y^6 \omega^2 \eta^2 \kappa x w^2 \\
& - 42880 y^6 \omega^2 \eta \zeta z^2 \lambda w - 6000 y^6 \omega^3 \eta x^2 \mu w + 7680 y^5 \omega^2 \eta^2 x^2 \mu w^2 \\
& - 3200 y^2 \omega \eta^2 \zeta x^2 z + 35200 y^4 \omega^2 \eta \zeta z^3 \mu x^2 + 9940 y^8 \omega^3 \eta \mu w \\
& + 10240 y^4 \omega^2 \eta^2 x \kappa z^3 w - 12800 y^4 \omega^2 \eta^2 x^3 \kappa w^2 + 1280 y^5 \omega^2 \eta^2 \\
& - 10240 y^6 \omega^2 \eta^2 v x^2 w + 33280 y^5 \omega^2 \eta^2 x^2 \lambda w^2 + 10240 y^8 \omega^2 \eta^2 v w \\
& - 8000 y^4 \omega^2 \eta \zeta x^4 \mu w - 44000 y^6 \omega^2 \eta \zeta z^3 \mu + 12800 y^4 \omega^2 \eta \zeta v x^4 z \\
& - 60800 y^4 \omega^2 \eta \zeta z^4 x \kappa + 12800 y^8 \omega^2 \eta \zeta v z + 6400 y^6 \omega^2 \eta \zeta z x \kappa w \\
& + 107200 y^5 \omega^2 \eta \zeta z^4 \lambda - 12800 y^4 \omega^2 \eta \zeta z x^3 \kappa w + 22400 y^5 \omega^2 \eta \zeta z \lambda w x^2 \\
& + 110400 y^8 \omega^2 \eta \zeta \mu w - 9600 y^7 \omega^2 \eta \zeta z \lambda w - 25600 y^6 \omega^2 \eta \zeta v x^2 z \\
& - 161600 y^6 \omega^2 \eta \zeta x^2 \mu w - 26240 y^6 \omega^3 \eta \lambda z^3 - 29440 y^5 \omega^2 \eta^2 \lambda z^3 w
\end{aligned}$$

$$\begin{aligned}
& + 64000 y^5 \omega^2 \eta^2 \mu x^2 z w - 3200 y^4 \omega \eta^2 \zeta z + 76800 y^6 \omega^3 \eta \mu x^2 z \\
& + 14080 y^4 \omega^3 \eta \lambda z^3 x^2 - 76800 y^7 \omega^2 \eta^2 \mu z w + 11520 y^3 \omega^2 \eta^2 x^2 \lambda z^3 w \\
& + 1230 y^8 \omega^4 \mu z - 14080 y^4 \omega^3 \eta x^4 \lambda w + 39680 y^6 \omega^3 \eta x^2 \lambda w \\
& - 6400 y^3 \omega^2 \eta^2 x^4 \lambda w^2 + 25600 y^3 \omega^2 \eta^2 \mu x^4 z w - 9840 y^7 \omega^4 \mu x^2 \\
& - 25600 y^3 \omega^2 \eta x^2 \lambda \zeta z^4 - 42240 y^7 \omega^2 \eta^2 \lambda w^2 - 26880 y^8 \omega^3 \eta \lambda w \\
& + 2188 y^7 \omega^2 \eta \zeta \lambda w^2 + 5616 y^5 \omega^2 \eta \zeta x^2 \lambda w^2 - 2312 y^6 \omega^2 \eta \zeta \kappa x w^2 \\
& + 3696 y^8 \omega^2 \eta \zeta v w - 3696 y^6 \omega^2 \eta \zeta x^2 v w + 21698 y^6 \omega^2 \eta \zeta \mu z^2 w \\
& - 3840 y^7 \omega^3 \eta z \lambda w + 10240 y^5 \xi^2 \omega^2 - 16000 y^3 \omega^2 \eta \zeta z x^4 \lambda w \\
& + 20480 y^7 \omega^3 \eta x \kappa w + 10240 y^5 \omega^3 \eta x \kappa z^3 - 20480 y^5 \omega^3 \eta x^3 \kappa w \\
& + 29440 y^5 \omega^3 \eta \mu x^2 z^2 - 5120 y^5 \omega^3 \eta \lambda z^4 - 37120 y^6 \omega^2 \eta^2 \mu z^2 w \\
& - 2510 y^6 \omega^3 \eta \mu z^3 + 15360 y^4 \omega^2 \eta^2 \mu x^2 z^2 w + 3530 y^5 \omega^2 \eta \lambda z^3 \zeta w \\
& - 5120 y^4 \omega^2 \eta^2 \lambda z^4 w - 1280 y^5 \omega^2 \eta^2 \mu z^3 w + 5120 y^4 \omega^2 \eta^2 z x^2 \lambda w^2 \\
& + 2560 y^7 \omega^2 \eta^2 z v w - 1280 y^6 \omega^3 \eta z v x^2 + 1280 y^8 \omega^3 \eta z v - 27015 \zeta^2 x^2 \omega^2 \lambda z^4 y^3 \\
& - 1250 \zeta^3 y^6 z^2 \mu w \omega - 2500 \zeta^3 y^3 z^4 \mu x^2 \omega - 5000 \zeta^3 y^6 z^2 \lambda w \omega \\
& - 6039 \zeta^2 x^2 \omega^2 \lambda z^2 w y^4 + 100000 \zeta^4 y^3 x^2 + 1600 \zeta^2 x^3 y^3 \omega^2 \kappa z^3 + 2500 \zeta^3 y^5 z^4 \mu \omega \\
& + 11265 \zeta^2 y^3 \eta^2 z w + 15000 \zeta^3 y^2 z^2 x \xi + 11020 \zeta^2 y^4 \omega^2 v x^4 z \\
& - 10000 \zeta^3 z y^5 x^2 \mu \omega w + 5000 \zeta^3 z y^3 x^4 \mu \omega w + 5000 \zeta^3 z y^7 \mu \omega w \\
& + 990 \zeta^2 y^4 \omega^2 z^4 x \kappa - 53420 \zeta^2 y^6 \omega^2 z x \kappa w + 53420 \zeta^2 y^4 \omega^2 z x^3 \kappa w \\
& - 600 \zeta^2 x^2 z^3 \eta^2 - 2500 \zeta^3 y^5 \omega z \kappa x w^2 - 28800 \zeta^2 x^4 v y^5 \omega^2 \\
& - 82840 \zeta^2 y^5 \omega^2 z \lambda w x^2 + 27305 \zeta^2 y^5 \omega^2 z^4 \lambda + 4697 \zeta^2 y^5 \omega^2 \mu z^4 - 50000 \zeta^4 y x^4 \\
& + 2500 \zeta^3 y^6 \omega z \lambda w^2 + 4800 \zeta^2 x^4 y \omega \eta + 9600 \zeta^2 x^6 v y^3 \omega^2 - 133550 \zeta^2 y^4 \omega^2 x^4 \mu w \\
& + 267100 \zeta^2 y^6 \omega^2 x^2 \mu w - 31680 \zeta^2 y^7 \omega^2 z \mu w + 31680 \zeta^2 y^5 \omega^2 z \mu x^2 w \\
& - 50945 \zeta^2 y^6 \omega^2 z^3 \mu - 133550 \zeta^2 y^8 \omega^2 \mu w - 10065 \zeta^2 y^6 \omega^2 \mu z^2 w \\
& + 6710 \zeta^2 y^6 \omega^2 \kappa x w^2 + 2045 \zeta^2 y^4 \omega \eta z + 11020 \zeta^2 y^8 \omega^2 v z - 22040 \zeta^2 y^6 \omega^2 v x^2 z \\
& - 4026 \zeta^2 y^7 \omega^2 \lambda w^2 - 1250 \zeta^3 y^5 \omega z v w x^2 + 1250 \zeta^3 y^7 \omega z v w + 28800 \zeta^2 x^2 v y^7 \omega^2 \\
& + 5000 \zeta^3 y^6 \omega \kappa x w^2 - 5120 y^4 \omega^3 x^4 \xi \kappa w + 15360 y^6 \omega^3 x^2 \xi \kappa w \\
& - 2560 y^4 \omega^3 x^2 \xi \kappa z^3 + 2460 y^5 \omega^3 x \xi \mu z^3 + 1280 y^5 \omega^3 x^3 \xi z v + 1910 y^3 \omega x \xi z \zeta^2 \\
& - 5120 y^6 \omega^2 x \xi z v \eta w + 14080 y^4 \omega^3 x^3 \xi \mu z^2 - 5120 y^8 \omega^3 x \xi v \\
& - 1280 y^7 \omega^3 x \xi z v + 516 y^4 \omega^2 x \xi \zeta - 17280 y^6 \omega^2 x \xi \zeta v z^2 - 14080 y^6 \omega^3 x \xi \mu z^2 \\
& - 1280 y^6 \omega^3 x \xi z \lambda w - 1280 y^4 \omega^3 x^3 \xi z \lambda w + 17280 y^4 \omega^2 x^3 \xi \zeta v z^2 \\
& - 9600 \zeta^2 y^9 v \omega^2 - 1080 y^7 \omega^3 x \xi \mu w + 1080 y^5 \omega^3 x^3 \xi \mu w - 2560 y^2 \omega x^2 \xi^2 \eta w \\
& + 10240 y^6 \omega^3 x^3 \xi v - 17600 y^4 \omega x \xi \zeta^2 - 3840 y^4 \omega^2 x \xi \eta - 25600 y^7 \omega^3 x \xi \mu z
\end{aligned}$$

$$\begin{aligned}
& + 86400 y^3 \omega^2 x^5 \xi \zeta \mu w - 20480 y^7 \omega^2 x \xi v \eta w + 20480 y^5 \omega^2 x^3 \xi v \eta w \\
& - 12800 y^3 \omega^2 x^5 \xi \zeta v z - 12800 y^7 \omega^2 x \xi \zeta v z - 172800 y^5 \omega^2 x^3 \xi \zeta \mu w \\
& + 27200 y^5 \omega^2 x \xi \zeta z^3 \mu - 5120 y^4 \omega^3 x^5 \xi v - 10240 y^6 \omega^2 x^2 \xi^2 v w \\
& - 27200 y^3 \omega^2 x^3 \xi \zeta z^3 \mu + 3200 y \omega x^3 \xi \zeta z \eta - 5120 y^5 \omega^3 x \xi \lambda z^3 \\
& + 9600 y^3 \omega x \xi \zeta \eta z - 15360 y^7 \omega^3 x \xi \lambda w + 25600 y^5 \omega^2 x^3 \xi \zeta v z \\
& + 86400 y^7 \omega^2 x \xi \zeta \mu w - 25600 y^3 \omega^3 x^5 \xi \mu z + 51200 y^5 \omega^3 x^3 \xi \mu z \\
& + 25600 y^5 \omega^2 x^2 \xi^2 \mu z w + 25600 y^4 \omega^2 x^3 \xi \mu z \eta w - 1280 y^2 \omega^2 x^3 \xi \eta \\
& + 12800 y^6 \omega^2 x \xi \mu z \eta w - 25600 y^3 \omega^2 x^4 \xi^2 \mu z w + 2560 y^3 \omega^3 x^3 \xi \lambda z^3 \\
& + 17600 y^2 \omega x^3 \xi \zeta^2 + 15360 y^5 \omega^3 x^3 \xi \lambda w - 7680 y^3 \omega^2 x^2 \xi^2 \\
& - 38400 y^2 \omega^2 x^5 \xi \mu z \eta w - 32000 y^2 \omega x^2 \xi^2 \zeta z - 3696 y^7 \omega^2 x \xi \zeta v w - 50000 \zeta^4 y^5 \\
& + 3696 y^5 \omega^2 x^3 \xi \zeta v w - 5255 \zeta^3 y^3 \omega x^2 - 16755 \zeta^3 y^4 \eta w - 33500 \zeta^4 z y^2 x^2 \\
& - 17500 \zeta^3 y^3 \eta z^2 - 12170 \zeta^3 y^2 \eta z^3 + 30000 \zeta^3 y^4 \eta z + 10000 \zeta^3 x^4 z \eta \\
& - 17200 \zeta^2 y^4 \eta^2 w + 1200 \zeta^2 x^4 \eta^2 w + 50945 \zeta^2 z^3 y^4 \omega^2 \mu x^2 + 20000 \zeta^3 x^6 z \lambda \omega y w \\
& - 5000 \zeta^3 x^3 y^4 \omega \kappa w^2 + 12800 \zeta^2 y^2 \eta^2 w x^2 - 27200 \zeta^2 y^3 \eta x^2 \omega \\
& + 7587 \zeta^2 y^6 \omega^2 z^2 \lambda w - 2500 \zeta^3 y^7 \omega \lambda w^2 + 33600 \zeta^2 y^8 \omega^2 \lambda w + 7381 \zeta^2 y^6 \omega^2 x^2 v w \\
& - 3750 \zeta^3 \mu y^7 w^2 \omega + 300000 \zeta^3 y^4 x^4 \mu \omega w + 100000 \zeta^3 y^8 \mu \omega w - 7381 \zeta^2 y^8 \omega^2 v w \\
& - 18400 \zeta^2 y^6 \omega^2 \lambda z^3 + 60800 \zeta^2 y^2 x^2 w \xi^2 + 20000 \zeta^3 y^4 z^3 \mu x^2 \omega \\
& - 10000 \zeta^3 y^6 z^3 \mu \omega - 60000 \zeta^3 y^7 z \lambda \omega w + 120000 \zeta^3 y^6 v x^2 z \omega \\
& - 78400 \zeta^2 x^2 \omega^2 \lambda y^6 w + 12000 \zeta^2 x^4 \omega^2 \lambda z^3 y^2 - 10000 \zeta^3 x^4 z^3 \mu y^2 \omega \\
& + 56000 \zeta^2 x^4 \omega^2 \lambda y^4 w - 6772 y^8 \omega^3 \zeta \lambda w - 22400 \zeta^2 x^5 \omega^2 \kappa y^3 w + 22400 \zeta^2 y^5 \eta \omega \\
& + 44800 \zeta^2 x^3 \omega^2 \kappa y^5 w + 20000 \zeta^3 x^3 z^4 \kappa \omega y^2 - 11200 \zeta^2 x^6 \omega^2 \lambda y^2 w \\
& - 6710 y^6 \omega^3 \zeta \lambda z^3 + 40000 \zeta^3 x^6 v z y^2 \omega - 120000 \zeta^3 y^4 v x^4 z \omega \\
& - 100000 \zeta^3 x^6 \mu \omega y^2 w + 6400 \zeta^2 x^2 \omega^2 \lambda z^3 y^4 - 20000 \zeta^3 y^3 z x \xi \\
& - 20000 \zeta^3 y^4 z^4 x \kappa \omega - 40000 \zeta^3 y^8 v z \omega + 3750 \zeta^3 \mu y^5 w^2 x^2 \omega \\
& + 2500 \zeta^3 x^4 \omega \lambda y^3 w^2 - 8600 \zeta^2 y^2 \eta^2 z^3 - 15200 \zeta^2 y \xi \eta w x^3 + 1006 y^6 \omega^3 \zeta x^2 \mu w \\
& - 2684 y^5 \omega^2 \zeta x^2 \mu \eta w^2 + 2684 y^7 \omega^2 \zeta \mu \eta w^2 + 40000 \zeta^3 y^6 z x \kappa \omega w \\
& - 80000 \zeta^3 y^4 z x^3 \kappa \omega w - 300000 \zeta^3 y^6 x^2 \mu \omega w + 10000 \zeta^3 y^5 z^4 \lambda \omega \\
& - 16000 x \xi \eta^2 \zeta z y^2 w + 3200 x^3 \xi \eta^2 \zeta z w - 100000 \zeta^3 x^4 z \lambda y^3 \omega w \\
& + 140000 \zeta^3 y^5 z \lambda \omega w x^2 - 7910 \zeta^2 x \xi z y^2 \eta w + 9200 \zeta^2 y x \xi z^3 \eta \\
& - 10000 \zeta^3 y x^4 \omega \lambda z^4 + 20000 \zeta^3 y \xi x^3 z + 24035 \zeta^3 y^2 \eta x^2 w - 7280 \zeta^3 x \xi y^3 w \\
& - 22400 \zeta^2 x y^7 \omega^2 \kappa w + 27510 \zeta^2 x^4 y^3 \omega^2 z \lambda w - 18117 \zeta^2 y^5 \omega^2 v x^2 z^2 \\
& + 1250 \zeta^3 y^4 z^2 \mu x^2 \omega w - 10000 \zeta^3 y^3 z^2 x^3 \kappa \omega w + 10000 \zeta^3 y^5 z^2 x \kappa \omega w
\end{aligned}$$

$$\begin{aligned}
& -3955 \zeta^2 x^2 y^2 \omega \eta z + 40000 \zeta^3 x^5 z \kappa \omega y^2 w + 21600 \zeta^2 x \xi \eta y^3 w \\
& -40000 \zeta^3 x^2 y^2 \eta z - 1250 \zeta^3 z^3 \lambda y^5 \omega w - 1250 \zeta^3 z^3 \lambda x^2 \omega y^3 w \\
& + 2500 \zeta^3 x \kappa \omega y^4 z^3 w + 5000 \zeta^3 x^4 z^2 \lambda y^2 \omega w + 2500 \zeta^3 x^2 y \eta z^2 \\
& + 18117 \zeta^2 y^7 \omega^2 v z^2 + 2560 y^5 \xi \omega^2 \kappa z^3 \eta w - 1006 y^8 \omega^3 \zeta \mu w - 10736 y^7 \omega^3 \zeta v x^2 \\
& + 5368 y^5 \omega^3 \zeta v x^4 + 42400 y^8 \omega^3 \zeta \mu z - 13068 y^5 \omega^2 \zeta^2 z^2 x \kappa w - 1342 y^6 \omega^3 \zeta z v x^2 \\
& + 1342 y^4 \omega^2 \zeta z x^2 \eta \lambda w^2 + 2684 y^5 \omega^2 \zeta \eta \mu z^3 w - 1342 y^4 \omega^2 \zeta \eta \lambda z^4 w \\
& + 1342 y^4 \omega^2 \zeta \mu x^2 z^2 \eta w - 22748 y^5 \omega^3 \zeta \mu x^2 z^2 + 1672 y^5 \omega^3 \zeta x^3 \kappa w \\
& - 1672 y^7 \omega^3 \zeta x \kappa w + 2684 y^5 \omega^3 \zeta x \kappa z^3 - 1342 y^5 \omega^3 \zeta \lambda z^4 + 2684 y^6 \omega^3 \zeta \mu z^3 \\
& - 155200 y^5 \omega^2 \zeta \mu x^2 z \eta w + 1342 y^8 \omega^3 \zeta z v + 4920 y^9 \omega^4 \mu - 3355 y \zeta^2 \eta^2 z x^2 w \\
& + 22748 y^7 \omega^3 \zeta \mu z^2 - 1600 \zeta^2 y^5 \omega^2 x \kappa z^3 + 1250 \zeta^3 y^4 \omega z - 35660 y^3 \omega^2 x^2 \eta \mu z^4 \zeta \\
& + 6400 y^3 \omega^2 x^2 \eta^2 \mu w z^3 + 5170 y^4 \omega^3 x^2 \eta \mu z^3 - 25600 y^2 \omega^3 x^6 \eta \mu z \\
& - 6400 y^3 \omega^3 x^4 \eta \mu z^2 - 5884 y^4 \omega^3 \zeta x^4 \lambda w + 12656 y^6 \omega^3 \zeta x^2 \lambda w \\
& + 9146 y^3 \omega^2 \zeta x^2 \eta \lambda z^3 w + 9146 y^4 \omega^3 \zeta \lambda z^3 x^2 + 122400 y^7 \omega^2 \zeta \mu z \eta w \\
& + 42400 y^4 \omega^3 \zeta \mu x^4 z - 84800 y^6 \omega^3 \zeta \mu x^2 z + 1342 y^3 \omega^2 \zeta x^2 \eta - 3200 x \xi \eta^2 \zeta z^4 \\
& + 2560 y^9 \omega^4 \lambda + 32800 y^3 \omega^2 \zeta \mu x^4 z \eta w - 7804 y^3 \omega^2 \zeta x^4 \eta \lambda w^2,
\end{aligned}$$

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$$\begin{aligned}
& 120 y^7 \omega^2 + 125 y^5 \omega z^2 x^2 \zeta \lambda w^2 - 5920 y^4 \eta^2 z^3 - 5120 y^7 \eta \omega + 960 y^6 \eta^2 w \\
& - 120000 y^5 \zeta^2 x^2 - 26800 y^6 z \zeta^2 + 120000 y^3 x^4 \zeta^2 + 6816 y^7 \omega \zeta + 7680 y^{11} v \omega^2 \\
& + 8284 y^5 \zeta^2 z^2 - 250 y^5 \omega x^2 \zeta z^3 \mu w - 120 x^2 y^5 \omega^2 - 480 y^5 \eta^2 w^2 + 960 x^6 \eta^2 w \\
& - 480 x^4 z^3 \eta^2 - 40000 y x^6 \zeta^2 + 500 y^4 z \lambda \omega x^4 \zeta w^2 + 4000 x^6 \zeta z^2 \lambda y^2 \omega w \\
& + 2000 x^3 \kappa \omega y^4 z^3 \zeta w - 1000 y^5 \omega \zeta z \kappa x^3 w^2 - 1000 z^3 \zeta \lambda x^4 \omega y^3 w \\
& + 4000 z y^3 \zeta x^6 \mu \omega w + 7680 x^8 v y^3 \omega^2 - 26800 z y^2 \zeta^2 x^4 + 38400 x^7 \omega \mu \xi z y^2 w \\
& + 32000 x^7 \zeta z \kappa \omega y^2 w + 19200 y x^8 \omega \mu z \eta w + 1000 y^4 \zeta z^2 \mu x^4 \omega w \\
& + 16000 x^8 \zeta z \lambda \omega y w - 8000 y^3 \zeta z^2 x^5 \kappa \omega w - 250 x y^6 \omega w^2 \kappa \zeta z^2 + 120 y^5 \omega \eta z^2 \\
& - 960 y^{10} \omega^2 \mu w + 500 x y^5 \omega w \kappa \zeta z^4 + 3520 y^6 \omega \eta z + 3884 y^6 \omega \zeta z \\
& - 120 y^9 \omega^2 \lambda w^2 - 13632 y^5 \omega x^2 \zeta + 960 y \eta^2 x^4 z w + 46080 y^7 x^4 v \omega^2 \\
& - 3520 y^2 x^4 \eta^2 w - 30720 y^9 x^2 v \omega^2 - 60 y^6 \omega \eta w + 480 y^7 \omega^2 z^4 \lambda + 480 y^2 \eta^2 z^2 x^2 w \\
& - 1820 y^4 \zeta^2 z^3 - 12800 y^3 x^4 \omega \eta + 120 y^7 \omega^2 \mu z^4 + 1280 y^2 x^2 z^3 \eta^2 - 480 y^8 \omega^2 z^3 \mu \\
& + 960 y^9 \omega^2 z \lambda w + 480 y^3 \eta^2 z^4 - 30720 y^5 x^6 v \omega^2 + 960 y^6 z^3 \omega^2 \mu x^2 \\
& + 53600 y^4 z \zeta^2 x^2 - 17296 y^6 \eta \zeta w + 9920 y^5 \eta^2 z w + 1280 y^6 x \xi \omega + 125 y^9 \zeta \omega v w^2 \\
& + 250 y^8 \zeta \omega w^3 \lambda + 375 y^7 \zeta z^2 \omega \mu w^2 + 125 y^7 \zeta z^2 \omega \lambda w^2 + 125 y^6 \zeta x^2 \omega z \mu w^2 \\
& - 125 y^8 \zeta z \mu w^2 \omega - 8628 y^4 \zeta z x w \xi - 14762 y^6 \zeta^2 w - 250 y^6 \zeta \omega \lambda z^4 w
\end{aligned}$$

$$\begin{aligned}
& -375 y^6 \zeta z^4 \omega \mu w + 250 y^7 \zeta \omega \mu z^3 w + 2560 y^4 x^2 w \xi^2 - 1920 y^8 \omega^2 \lambda z^3 \\
& + 11520 y^{10} \omega^2 \lambda w - 2560 y^4 \xi x^3 \omega + 10498 y^5 \zeta z \eta w + 665 y^5 \zeta z^2 \omega \\
& - 24000 y^6 \zeta \eta z - 7284 y^4 \eta \zeta z^3 + 26800 y^5 \zeta \eta z^2 + 21120 y^9 \omega^2 \mu z^2 \\
& - 4000 y^8 \zeta \omega \kappa x w^2 + 1600 y^4 \eta^2 w x^2 + 3840 y^6 \omega^2 z x^3 \kappa w + 14080 y^5 \eta x^2 \omega \\
& - 1920 y^8 \omega^2 z x \kappa w - 480 y^7 \omega^2 z \mu x^2 w - 960 y^7 \omega^2 z \lambda w x^2 - 500 y^8 \omega \zeta z \lambda w^2 \\
& - 1000 y^7 \zeta \mu w^2 x^2 \omega - 28800 y^3 x^2 \zeta \eta z^2 + 40000 y^7 \zeta^2 - 24800 y^4 \zeta z^2 x \xi \\
& - 2000 y^7 \zeta z^4 \mu \omega - 63360 y^7 x^2 \omega^2 \mu z^2 + 14762 y^4 x^2 \zeta^2 w + 63360 y^5 x^4 \omega^2 \mu z^2 \\
& - 7680 y^5 x^3 \omega^2 \kappa z^3 - 960 y^6 \omega^2 z^4 x \kappa + 240 y^9 \omega^2 z \mu w + 57600 y^3 x^4 \omega \mu z^4 \eta \\
& + 8000 y^3 x^4 \omega \lambda \zeta z^4 + 2880 y^8 \omega^2 x^2 \mu w + 704000 y^8 \zeta x^2 \mu \omega w - 16000 y^4 x \xi z \eta w \\
& - 960 y^5 x^4 \omega^2 z \lambda w - 2880 y^6 \omega^2 x^4 \mu w + 1000 y^7 \zeta z^3 \lambda \omega w + 240 y^8 \omega^2 \kappa x w^2 \\
& - 60 y^8 \omega^2 \mu z^2 w + 3840 y^7 \omega^2 x \kappa z^3 + 4000 y^8 \zeta z^2 \lambda \omega w + 4000 y^5 \zeta z^4 \mu x^2 \omega \\
& + 480 y^7 \omega^2 x z^2 \kappa w + 1000 y^8 \zeta z^2 \mu w \omega + 38400 y^{10} \omega^2 \mu z - 4000 y^9 z \zeta \mu \omega w \\
& - 480 y^5 \omega^2 z^2 \kappa w x^3 + 16000 y^5 \zeta z x \xi + 1920 y^6 x^2 \omega^2 \lambda z^3 + 1920 y^4 x^4 \omega^2 \lambda z^3 \\
& - 38400 y^8 x^2 \omega^2 \lambda w + 32000 y^{10} \zeta v z \omega - 480 y^4 \eta^2 z^2 w - 12000 y^5 z \zeta x^4 \mu \omega w \\
& + 8000 y^6 x^3 \zeta \omega \kappa w^2 - 1056000 y^6 \zeta x^4 \mu \omega w + 12000 y^7 z \zeta x^2 \mu \omega w \\
& + 46080 y^6 x^4 \omega^2 \lambda w + 48000 y^9 \zeta z \lambda \omega w + 91200 y^6 \zeta z^3 \mu x^2 \omega + 16000 y^6 \zeta z^4 x \kappa \omega \\
& - 153600 y^8 x^2 \omega^2 \mu z + 704000 y^4 x^6 \zeta \mu \omega w - 91200 y^4 x^4 \zeta z^3 \mu \omega \\
& + 230400 y^6 x^4 \omega^2 \mu z - 23040 y^5 x^5 \omega^2 \kappa w - 23040 y^4 x^6 \omega^2 \lambda w + 23040 y^7 x^3 \omega^2 \kappa w \\
& - 128000 y^8 \zeta v x^2 z \omega + 192000 y^6 \zeta v x^4 z \omega - 480 y^3 \eta^2 w z^3 + 8000 y^5 x^2 \zeta z^4 \lambda \omega \\
& - 128000 y^4 x^6 \zeta v z \omega + 1000 y^7 \omega \zeta z \kappa x w^2 - 32000 y^4 x^3 \zeta z^4 \kappa \omega \\
& - 57600 y^5 x^2 \omega \mu \eta z^4 - 2000 y^5 x^4 \zeta \omega \lambda w^2 - 480 y \eta^2 x^2 z^4 + 19200 y^7 \eta \omega \mu z^4 \\
& + 3840 y^3 \xi \eta w x^3 - 32000 y^3 \xi x^3 \zeta z + 10560 y^3 x \xi z^3 \eta - 40000 y^2 x^4 \zeta z \eta \\
& - 8000 y^7 \zeta z^4 \lambda \omega + 56000 y^4 x^2 \zeta \eta z - 4480 y^5 x \xi \eta w - 7680 y^9 x \omega^2 \kappa w \\
& + 18304 y^5 x \xi \zeta w + 16288 y^4 \eta x^2 \zeta w - 5440 y^4 x^2 \omega \eta z - 4000 y^4 x^4 \zeta z^2 \lambda \omega w \\
& - 2000 y^6 x \kappa \omega z^3 \zeta w + 2000 y^9 \zeta \omega \lambda w^2 + 480 y^3 \eta^2 x^2 w^2 - 240 y^8 \omega^2 z^2 \lambda w \\
& - 176000 y^{10} \zeta \mu \omega w + 500 y^9 \zeta \mu w^2 \omega - 30400 y^8 \zeta z^3 \mu \omega - 153600 y^4 x^6 \omega^2 \mu z \\
& + 57600 y^9 \omega \mu z \eta w - 2000 y^7 x^2 \zeta \omega \lambda w^2 - 3840 x^2 y^3 \eta^2 z w - 1444 x^2 y^2 \eta \zeta z^3 \\
& - 96000 y^4 x^5 \zeta z \kappa \omega w - 2560 y^2 x^4 w \xi^2 - 2000 y^6 \zeta z^2 \mu x^2 \omega w + 8000 x^6 \zeta z \eta \\
& + 16000 y^5 \zeta z^2 x^3 \kappa \omega w - 8000 y^7 \zeta z^2 x \kappa \omega w + 60 y^6 \omega^2 z - 420 y^4 \eta \omega z^3 \\
& - 4000 y^6 \zeta z^2 \lambda \omega w x^2 - 480 x^4 \omega^2 \lambda z^4 y^3 - 21120 x^6 \omega^2 \mu z^2 y^3 + 3840 x^5 y^3 \omega^2 \kappa z^3 \\
& + 1280 \xi y^2 x^5 \omega + 960 y^4 \omega^2 z^4 x^3 \kappa - 115200 y^4 x^5 \omega \mu \xi z w + 192000 y^5 x^4 \zeta z \lambda \omega w \\
& - 60 x^2 y^5 \omega^2 \lambda z^3 w + 1008 y^2 \eta x^4 \zeta w + 1920 x^4 y^2 \omega \eta z + 7680 x^7 \omega^2 \kappa y^3 w
\end{aligned}$$

$$\begin{aligned}
& + 3840 x^8 \omega^2 \lambda y^2 w + 640 y \xi \eta w x^5 + 16000 y \xi x^5 \zeta z + 960 y^4 \omega^2 x^6 \mu w \\
& - 120 x^2 y^5 \omega^2 \mu z^4 + 420 x^2 y^4 \omega \eta w + 115200 y^6 x^3 \omega \mu \xi z w - 1870 y^3 x^2 \zeta z \eta w \\
& - 3884 x^2 y^4 \omega \zeta z + 3840 x^6 y \omega \eta + 600 x^2 y^3 \omega \eta z^2 - 480 z^3 y^4 \omega^2 \mu x^4 \\
& + 38400 x^8 \omega^2 \mu z y^2 - 125 y^7 \omega x^2 \zeta v w^2 - 1920 x^6 \omega^2 \lambda z^3 y^2 - 8284 x^2 y^3 \zeta^2 z^2 \\
& + 8728 x \xi y^3 z^3 \zeta + 96000 y^6 \zeta z x^3 \kappa \omega w - 1600 x \xi y^5 z \omega + 1870 y^3 \zeta \eta z^4 \\
& - 32000 y^8 \zeta z x \kappa \omega w - 160000 y^7 \zeta z \lambda \omega w x^2 + 6816 y^3 \omega x^4 \zeta \\
& - 192000 y^7 x^2 \omega \mu z \eta w - 320 \xi y x^3 \eta z^3 + 24800 \xi y^2 x^3 \zeta z^2 + 1600 \xi y^3 z x^3 \omega \\
& + 7040 \xi^2 y^3 z x^2 w - 240 y^6 \omega^2 \kappa x^3 w^2 - 18304 \xi y^3 x^3 \zeta w + 2000 x^4 \zeta y \eta z^2 \\
& - 5120 \xi^2 y^2 x^2 z^3 + 230400 y^5 x^4 \omega \mu z \eta w + 32000 x^8 \zeta v z y^2 \omega - 360 x \xi y^5 w \omega \\
& - 720 x \xi y^4 z^2 \omega + 125 y^6 \zeta w \omega - 38400 y^8 \omega \mu x \xi z w - 96000 y^3 x^6 \zeta z \lambda \omega w \\
& + 60 x^2 y^6 \omega^2 \mu z^2 w - 4000 x^5 \zeta y^4 \omega \kappa w^2 - 115200 y^3 x^6 \omega \mu z \eta w \\
& - 176000 x^8 \zeta \mu \omega y^2 w + 30400 x^6 \zeta z^3 \mu y^2 \omega + 240 y^5 \omega^2 z \mu x^4 w \\
& + 960 x^6 y^3 \omega^2 z \lambda w + 16000 x^5 \zeta z^4 \kappa \omega y^2 + 2000 x^6 \zeta \omega \lambda y^3 w^2 + 500 \zeta \mu y^5 w^2 x^4 \omega \\
& - 19200 y x^6 \omega \mu z^4 \eta - 8000 y x^6 \omega \lambda \zeta z^4 - 250 x y^7 \omega \kappa \zeta w^3 - 250 x^2 y^4 \omega \zeta z^4 \lambda w \\
& + 120 y^6 \omega^2 x w \kappa z^3 + 120 y^5 \omega^2 x^4 \lambda w^2 + 60 y^9 \omega^2 v z w - 60 y^7 \omega^2 v z x^2 w \\
& - 120 y^7 \omega^2 z \kappa x w^2 + 120 y^8 \omega^2 z \lambda w^2 - 60 y^7 \omega^2 \lambda z^3 w + 1920 \xi y^2 z x^3 \eta w \\
& + 180 y^7 \omega^2 \mu w^2 x^2 - 2000 y^3 \zeta z^4 \mu x^4 \omega - 180 y^9 \omega^2 \mu w^2 + 240 x^4 \omega^2 \lambda z^2 w y^4 \\
& - 1920 y^4 \omega^2 z x^5 \kappa w,
\end{aligned}$$

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