```
16 v^2 x^2 y^2 + 192 u^2 v^2 x^2 y^2 + x y^3 + 6 u x y^3 - 12 v x y^3 - 32 u v x y^3 - 4 v^2 x y^3 - 12 v x y^3 - 32 u v x y^3 - 4 v^2 x y^3 - 12 v x y^3 - 32 u v x y^3 - 4 v^2 x y^3 - 12 v x y^3 - 32 u v x y^3 - 4 v^2 x y^3
 72 u v^2 x y^3 + 128 u v^3 x y^3 + 2 y^4 + 6 v y^4 - 16 v^2 y^4 - 24 v^3 y^4 + 32 v^4 y^4 - 10 x^4 \sigma - 10 x^4 \sigma^2 + 10 x^2 +
36 u x^4 \sigma – 24 u^2 x^4 \sigma + 16 u^3 x^4 \sigma + 4 x^3 y \sigma + 12 u x^3 y \sigma – 16 u^3 x^3 y \sigma – 36 v x^3 y \sigma –
48 \text{ u v } x^3 \text{ y } \sigma + 48 \text{ u}^2 \text{ v } x^3 \text{ y } \sigma + 12 \text{ x}^2 \text{ y}^2 \text{ } \sigma + 12 \text{ u } x^2 \text{ y}^2 \text{ } \sigma + 24 \text{ u}^2 \text{ x}^2 \text{ y}^2 \text{ } \sigma + 12 \text{ v } x^2 \text{ y}^2 \text{ } \sigma - 12 \text{ v } x^2 \text{ y}^2 \text{ } \sigma + 12 \text{ v } x^2 \text{ y}^2 \text{ } \sigma + 12 \text{ v } x^2 \text{ y}^2 \text{ } \sigma + 12 \text{ v } x^2 \text{ y}^2 \text{ } \sigma + 12 \text{ v } x^2 \text{ y}^2 \text{ } \sigma + 12 \text{ v } x^2 \text{ y}^2 \text{ } \sigma + 12 \text{ v } x^2 \text{ y}^2 \text{ } \sigma + 12 \text{ v } x^2 \text{ y}^2 \text{ } \sigma + 12 \text{ v } x^2 \text{ y}^2 \text{ } \sigma + 12 \text{ v } x^2 \text{ y}^2 \text{ } \sigma + 12 \text{ v } x^2 \text{ y}^2 \text{ } \sigma + 12 \text{ v } x^2 \text{ y}^2 \text{ } \sigma + 12 \text{ v } x^2 \text{ y}^2 \text{ } \sigma + 12 \text{ v } x^2 \text{ y}^2 \text{ } \sigma + 12 \text{ v } x^2 \text{ y}^2 \text{ } \sigma + 12 \text{ v } x^2 \text{ y}^2 \text{ } \sigma + 12 \text{ v } x^2 \text{ y}^2 \text{ } \sigma + 12 \text{ v } x^2 \text{ y}^2 \text{ } \sigma + 12 \text{ v } x^2 \text{ y}^2 \text{ } \sigma + 12 \text{ v } x^2 \text{ y}^2 \text{ } \sigma + 12 \text{ v } x^2 \text{ y}^2 \text{ } \sigma + 12 \text{ v } x^2 \text{ y}^2 \text{ } \sigma + 12 \text{ v } x^2 \text{ y}^2 \text{ } \sigma + 12 \text{ v } x^2 \text{ y}^2 \text{ } \sigma + 12 \text{ v } x^2 \text{ y}^2 \text{ } \sigma + 12 \text{ v } x^2 \text{ y}^2 \text{ } \sigma + 12 \text{ v } x^2 \text{ y}^2 \text{ } \sigma + 12 \text{ v } x^2 \text{ y}^2 \text{ } \sigma + 12 \text{ v } x^2 \text{ y}^2 \text{ } \sigma + 12 \text{ v } x^2 \text{ y}^2 \text{ } \sigma + 12 \text{ v } x^2 \text{ y}^2 \text{ } \sigma + 12 \text{ v } x^2 \text{ y}^2 \text{ } \sigma + 12 \text{ v } x^2 \text{ y}^2 \text{ } \sigma + 12 \text{ v } x^2 \text{ y}^2 \text{ } \sigma + 12 \text{ v } x^2 \text{ y}^2 \text{ } \sigma + 12 \text{ v } x^2 \text{ y}^2 \text{ } \sigma + 12 \text{ v } x^2 \text{ y}^2 \text{ } \sigma + 12 \text{ v } x^2 \text{ y}^2 \text{ } \sigma + 12 \text{ v } x^2 \text{ y}^2 \text{ } \sigma + 12 \text{ v } x^2 \text{ y}^2 \text{ } \sigma + 12 \text{ v } x^2 \text{ y}^2 \text{ } \sigma + 12 \text{ v } x^2 \text{ y}^2 \text{ } \sigma + 12 \text{ v } x^2 \text{ y}^2 \text{ } \sigma + 12 \text{ v } x^2 \text{ v } x^2 \text{ } \sigma + 12 \text{ v } x^2 \text{ v } x^2 \text{ } \sigma + 12 \text{ v } x^2 \text{ v } x^2 \text{ } \sigma + 12 \text{ v } x^2 \text{ v } x^2 \text{ } \sigma + 12 \text{ v } x^2 \text{ v } x^2 \text{ } \sigma + 12 \text{ v } x^2 \text{ v } x^2 \text{ } \sigma + 12 \text{ v } x^2 \text{ } x^2 \text{ } \sigma + 12 \text{ v } x^2 \text{ } x^2 \text{ } \sigma + 12 \text{ v } x^2 \text{ } x^2 \text{ } \sigma + 12 \text{ v } x^2 \text{ } x^2 \text{ } \sigma + 12 \text{ v } x^2 \text{ } x^2 \text{ } \sigma + 12 \text{ v } x^2 \text{ } x^2 \text{ } \sigma + 12 \text{ v } x^2 \text{ } x^2 \text{ } \sigma + 12 \text{ v } x^2 \text{ } x^2 \text{ } \sigma + 12 \text{ v } x^2 \text{ } x^2 \text{ } \sigma + 12 \text{ v } x^2 \text{ } x^2 \text{ } \sigma + 1
48 u^2 v x^2 y^2 \sigma - 24 v^2 x^2 y^2 \sigma + 48 u v^2 x^2 y^2 \sigma + 4 x y^3 \sigma + 12 u x y^3 \sigma + 12 v x y^3 \sigma +
48 \text{ u v x } y^3 \text{ } \sigma - 48 \text{ u } v^2 \text{ x } y^3 \text{ } \sigma + 16 \text{ } v^3 \text{ x } y^3 \text{ } \sigma - 10 \text{ } y^4 \text{ } \sigma + 12 \text{ v } y^4 \text{ } \sigma + 24 \text{ } v^2 \text{ } y^4 \text{ } \sigma - 16 \text{ } v^3 \text{ } y^4 \text{ } \sigma + 10 \text{ } v^4 \text{ } \sigma +
24 u x^4 \sigma^2 + 24 u<sup>2</sup> x^4 \sigma^2 - 16 u<sup>3</sup> x^4 \sigma^2 + 16 u<sup>3</sup> x^3 y \sigma^2 + 24 v x^3 y \sigma^2 + 48 u v x^3 y \sigma^2 -
24 u x y<sup>3</sup> \sigma^2 - 48 u v x y<sup>3</sup> \sigma^2 + 48 u v<sup>2</sup> x y<sup>3</sup> \sigma^2 - 16 v<sup>3</sup> x y<sup>3</sup> \sigma^2 - 24 v y<sup>4</sup> \sigma^2 - 24 v<sup>2</sup> y<sup>4</sup> \sigma^2 +
 16 v^3 y^4 \sigma^2 + 20 x^4 \sigma^3 + 24 u x^4 \sigma^3 - 8 x^3 y \sigma^3 - 24 u x^3 y \sigma^3 + 24 v x^3 y \sigma^3 - 24 x^2 y^2 \sigma^3 -
24 u x^2 y^2 \sigma^3 - 24 v x^2 y^2 \sigma^3 - 8 x y^3 \sigma^3 + 24 u x y^3 \sigma^3 - 24 v x y^3 \sigma^3 + 20 y^4 \sigma^3 +
24 v y^4 \sigma^3 - 10 x^4 \sigma^4 - 12 u x^4 \sigma^4 + 4 x^3 y \sigma^4 + 12 u x^3 y \sigma^4 - 12 v x^3 y \sigma^4 + 12 x^2 y^2 \sigma^4 +
 12 u x^2 y^2 \sigma^4 + 12 v x^2 y^2 \sigma^4 + 4 x y^3 \sigma^4 - 12 u x y^3 \sigma^4 + 12 v x y^3 \sigma^4 - 10 y^4 \sigma^4 - 12 v y^4 \sigma^4
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 $128 u^{3} v x^{3} y - 6 x^{2} y^{2} - 12 u x^{2} y^{2} - 16 u^{2} x^{2} y^{2} + 6 v x^{2} y^{2} - 8 u v x^{2} y^{2} - 72 u^{2} v x^{2} y^{2} - 7$ 

 $2\ x^4 - 16\ u^2\ x^4 + 32\ u^4\ x^4 + x^3\ y + 6\ u\ x^3\ y - 4\ u^2\ x^3\ y - 24\ u^3\ x^3\ y - 32\ u\ v\ x^3\ y +$