	Elements	$Q(x,y,y_x)=0$	**Solutions**	**Type Solution**
1	Π_4	$(0)-y_x(x^3y^2)=0$	$y(x)=0, y(x)=c$	Trivial
2	Π_2	$(0)-y_x(x^3)=0$	$y(x)=c$	Trivial
3	Π_3	$(-y^3)-y_x(xy^2)=0$	$y(x)=\frac{c}{x}$	Explicit
4	$\Pi_1+\Pi_3$	$(-y^3)-y_x(x+xy^2)=0$	$y(x)=\pm\frac{1}{\sqrt{W(x^2c)}}$, with $W(z)$ the product log function.	Explicit
5	$\Pi_2+\Pi_3$	$(-y^3)-y_x(x^3+xy^2)=0$	$y(x)=\pm\sqrt{\frac{e^4c}{x^2}-\frac{\sqrt{e^{4c}(e^{4c}+x^4)}}{x^2}}$	Explicit
6	$\Pi_3+\Pi_4$	$(-y^3)-y_x(x^3y^2+xy^2)=0$	$y(x)=\frac{c\sqrt{x^2+1}}{x}$	Explicit
7	$\Pi_1+\Pi_4$	$(0)-y_x(x+x^3y^2)=0$	$y(x)=\pm\frac{i}{x}, y(x)=c$	Explicit
8	$\Pi_2+\Pi_4$	$(0)-y_x(x^3+x^3y^2)=0$	$y(x)=\pm i, y(x)=c$	Explicit
9	$\Pi_3+\Pi_5$	$(-y^3+y)-y_x(xy^2)=0$	$y(x)=\pm\frac{\sqrt{c+x^2}}{x}$	Explicit
10	$\Pi_2+\Pi_5$	$(y)-y_x(x^3)=0$	$y(x)=ce^{-1/(2x^2)}$	Explicit
11	$\Pi_1+\Pi_5$	$(y)-y_x(x)=0$	$y(x)=cx$	Explicit
12	$-2\Pi_1+\Pi_4+\Pi_5$	$(y)-y_x(x^3y^2-2x)=0$	$y(x)=\pm\frac{\sqrt{\pm\frac{e^{-2c}\sqrt{4e^{2c}+x^2}}{x}-e^{-2c}}}{\sqrt{2}}$	Explicit
13	$\Pi_2+\Pi_3+\Pi_4$	$(-y^3)-y_x(xy^2+x^3+x^3y^2)=0$	$y(x)=\pm\frac{1}{4}\sqrt{-\frac{1}{cx^2}\pm\frac{\sqrt{(x^2+1)^2-16cx^4}}{cx^2}-\frac{1}{c}}$	Explicit
14	$\Pi_1+\Pi_2+\Pi_4$	$(0)-y_x(x^3+x^3y^2+x)=0$	$y(x)=\pm\frac{\sqrt{-x^2-1}}{x}, y(x)=c$	Explicit
15	$\Pi_2+\Pi_3+\Pi_4+\Pi_5$	$(y-y^3)-y_x(x^3y^2+x^3+xy^2)=0$	$\frac{1}{4}\left(\frac{1}{1-y(x)^2}+\log 9y(x)\right)-\frac{1}{2}\log(1-y(x)^2)\Big)-\frac{1}{8x^2(y(x)^2-1)}=c$	Implicit