

Forms with $J_F = 0$ and $0 > I_F \geq -3000$

January 24, 2019

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-x^4 - x^3y + xy^3 + y^4$	-9	(0, 1)	(1, 0)
$-x^4 + x^3y - xy^3 + y^4$	-9	(0, 1)	(1, 0)
$x^4 - x^3y + xy^3 - y^4$	-9	(1, 0)	(0, 1)
$x^4 + x^3y - xy^3 - y^4$	-9	(1, 0)	(0, 1)
$-x^4 + y^4$	-12	(0, 1)	(1, 0)
$x^4 - y^4$	-12	(1, 0)	(0, 1)
$-x^4 - x^3y - xy^3 + y^4$	-15	(0, 1)	(1, 0)
$-x^4 + x^3y + xy^3 + y^4$	-15	(0, 1)	(1, 0)
$x^4 - x^3y - xy^3 - y^4$	-15	(1, 0)	(0, 1)
$x^4 + x^3y + xy^3 - y^4$	-15	(1, 0)	(0, 1)
$-x^4 + 2y^4$	-24	(1, 1) (1, -1)	(1, 0)
$-x^4 + 2x^3y - 4xy^3 + 4y^4$	-24	(1, 1)	(1, 0)
$-x^4 + 2x^3y + 2xy^3 + y^4$	-24	(0, 1)	(1, 0)
$x^4 - 2y^4$	-24	(1, 0)	(1, 1) (1, -1)
$x^4 + 2x^3y - 4xy^3 - 4y^4$	-24	(1, 0)	(1, -1)
$x^4 + 2x^3y + 2xy^3 - y^4$	-24	(1, 0)	(0, 1)
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + y^4$	-27	(1, 1) (0, 1)	
$-x^4 - x^3y + 3x^2y^2 - 4xy^3 + 2y^4$	-27		(1, 1) (1, 0)
$-x^4 + x^3y + 3x^2y^2 + 4xy^3 + 2y^4$	-27		(1, 0) (1, -1)
$x^4 - x^3y - 3x^2y^2 - 4xy^3 - 2y^4$	-27	(1, 0) (1, -1)	
$x^4 + x^3y - 3x^2y^2 + 4xy^3 - 2y^4$	-27	(1, 1) (1, 0)	
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - y^4$	-27		(1, -1) (0, 1)
$-x^4 + 3y^4$	-36		(1, 0)
$x^4 - 3y^4$	-36	(1, 0)	
$-x^4 - x^3y + 3x^2y^2 + 8xy^3 + 6y^4$	-39	(1, -1)	(1, 0)
$-x^4 + x^3y + 3x^2y^2 - 8xy^3 + 6y^4$	-39	(1, 1)	(1, 0)
$x^4 - x^3y - 3x^2y^2 + 8xy^3 - 6y^4$	-39	(1, 0)	(1, 1)
$x^4 + x^3y - 3x^2y^2 - 8xy^3 - 6y^4$	-39	(1, 0)	(1, -1)

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-x^4 - x^3y + 2xy^3 + 4y^4$	-42		(1, 0)
$-x^4 + x^3y - 2xy^3 + 4y^4$	-42		(1, 0)
$x^4 - x^3y + 2xy^3 - 4y^4$	-42	(1, 0)	
$x^4 + x^3y - 2xy^3 - 4y^4$	-42	(1, 0)	
$-2x^4 - x^3y + xy^3 + 2y^4$	-45		
$-2x^4 + x^3y - xy^3 + 2y^4$	-45		
$2x^4 - x^3y + xy^3 - 2y^4$	-45		
$2x^4 + x^3y - xy^3 - 2y^4$	-45		
$-x^4 + 4y^4$	-48		(1, 0)
$x^4 - 4y^4$	-48	(1, 0)	
$-2x^4 - x^3y - xy^3 + 2y^4$	-51		
$-2x^4 - x^3y + 3x^2y^2 - 4xy^3 + 2y^4$	-51		
$-2x^4 + x^3y + xy^3 + 2y^4$	-51		
$-2x^4 + x^3y + 3x^2y^2 + 4xy^3 + 2y^4$	-51		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 2y^4$	-51		
$2x^4 - x^3y - 3x^2y^2 - 4xy^3 - 2y^4$	-51		
$2x^4 - x^3y - xy^3 - 2y^4$	-51		
$2x^4 + x^3y - 3x^2y^2 + 4xy^3 - 2y^4$	-51		
$2x^4 + x^3y + xy^3 - 2y^4$	-51		
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 2y^4$	-51		
$-x^4 - x^3y - 2xy^3 + 4y^4$	-54		(1, 0)
$-x^4 + x^3y + 2xy^3 + 4y^4$	-54		(1, 0)
$x^4 - x^3y - 2xy^3 - 4y^4$	-54	(1, 0)	
$x^4 + x^3y + 2xy^3 - 4y^4$	-54	(1, 0)	
$-x^4 + 5y^4$	-60		(3, 2) (3, -2) (1, 0)
$-x^4 + 6x^2y^2 - 12xy^3 + 8y^4$	-60	(1, 1)	(1, 0)
$-x^4 + 6x^2y^2 + 12xy^3 + 8y^4$	-60	(1, -1)	(1, 0)
$-x^4 + 2x^3y + 6x^2y^2 - 22xy^3 + 19y^4$	-60		(2, 1) (1, 0)
$-x^4 + 2x^3y + 6x^2y^2 + 8xy^3 + 4y^4$	-60		(1, 0) (1, -1)
$x^4 - 6x^2y^2 - 12xy^3 - 8y^4$	-60	(1, 0)	(1, -1)
$x^4 - 6x^2y^2 + 12xy^3 - 8y^4$	-60	(1, 0)	(1, 1)
$x^4 - 5y^4$	-60	(3, 2) (3, -2) (1, 0)	
$x^4 + 2x^3y - 6x^2y^2 - 22xy^3 - 19y^4$	-60	(2, -1) (1, 0)	
$x^4 + 2x^3y - 6x^2y^2 + 8xy^3 - 4y^4$	-60	(1, 1) (1, 0)	
$-3x^4 - 5x^3y - 3x^2y^2 + 2y^4$	-63	(1, -1)	
$-3x^4 + 5x^3y - 3x^2y^2 + 2y^4$	-63	(1, 1)	
$-2x^4 + 3x^2y^2 - 5xy^3 + 3y^4$	-63		(1, 1)
$-2x^4 + 3x^2y^2 + 5xy^3 + 3y^4$	-63		(1, -1)
$-x^4 - x^3y + 9x^2y^2 + 24xy^3 + 18y^4$	-63		(1, 0)

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-x^4 + x^3y + 9x^2y^2 - 24xy^3 + 18y^4$	-63		(1, 0)
$x^4 - x^3y - 9x^2y^2 + 24xy^3 - 18y^4$	-63	(1, 0)	
$x^4 + x^3y - 9x^2y^2 - 24xy^3 - 18y^4$	-63	(1, 0)	
$2x^4 - 3x^2y^2 - 5xy^3 - 3y^4$	-63	(1, -1)	
$2x^4 - 3x^2y^2 + 5xy^3 - 3y^4$	-63	(1, 1)	
$3x^4 - 5x^3y + 3x^2y^2 - 2y^4$	-63		(1, 1)
$3x^4 + 5x^3y + 3x^2y^2 - 2y^4$	-63		(1, -1)
$-3x^4 + 2y^4$	-72		(1, 1) (1, -1)
$-2x^4 + 3y^4$	-72	(1, 1) (1, -1)	
$-x^4 + 6y^4$	-72		(1, 0)
$-x^4 + 2x^3y - 6xy^3 + 9y^4$	-72		(1, 0)
$-x^4 + 2x^3y + 4xy^3 + 4y^4$	-72		(1, 0)
$x^4 - 6y^4$	-72	(1, 0)	
$x^4 + 2x^3y - 6xy^3 - 9y^4$	-72	(1, 0)	
$x^4 + 2x^3y + 4xy^3 - 4y^4$	-72	(1, 0)	
$2x^4 - 3y^4$	-72		(1, 1) (1, -1)
$3x^4 - 2y^4$	-72	(1, 1) (1, -1)	
$-3x^4 - x^3y + 3x^2y^2 - 4xy^3 + 2y^4$	-75		
$-3x^4 + x^3y + 3x^2y^2 + 4xy^3 + 2y^4$	-75		
$-2x^4 - 3x^3y - 3xy^3 + 2y^4$	-75		
$-2x^4 + 3x^3y + 3xy^3 + 2y^4$	-75		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 3y^4$	-75		
$2x^4 - 3x^3y - 3xy^3 - 2y^4$	-75		
$2x^4 + 3x^3y + 3xy^3 - 2y^4$	-75		
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 3y^4$	-75		
$3x^4 - x^3y - 3x^2y^2 - 4xy^3 - 2y^4$	-75		
$3x^4 + x^3y - 3x^2y^2 + 4xy^3 - 2y^4$	-75		
$-x^4 - x^3y + 3x^2y^2 - 7xy^3 + 6y^4$	-84		(1, 0)
$-x^4 + 7y^4$	-84		(1, 0)
$-x^4 + x^3y + 3x^2y^2 + 7xy^3 + 6y^4$	-84		(1, 0)
$x^4 - x^3y - 3x^2y^2 - 7xy^3 - 6y^4$	-84	(1, 0)	
$x^4 - 7y^4$	-84	(1, 0)	
$x^4 + x^3y - 3x^2y^2 + 7xy^3 - 6y^4$	-84	(1, 0)	
$-x^4 - x^3y + 9x^2y^2 - 16xy^3 + 10y^4$	-87	(1, 1)	(1, 0)
$-x^4 + x^3y + 9x^2y^2 + 16xy^3 + 10y^4$	-87	(1, -1)	(1, 0)
$x^4 - x^3y - 9x^2y^2 - 16xy^3 - 10y^4$	-87	(1, 0)	(1, -1)
$x^4 + x^3y - 9x^2y^2 + 16xy^3 - 10y^4$	-87	(1, 0)	(1, 1)
$-3x^4 - 2x^3y + 2xy^3 + 3y^4$	-96		
$-3x^4 + 2x^3y - 2xy^3 + 3y^4$	-96		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-x^4 + 8y^4$	-96		(1, 0)
$x^4 - 8y^4$	-96	(1, 0)	
$3x^4 - 2x^3y + 2xy^3 - 3y^4$	-96		
$3x^4 + 2x^3y - 2xy^3 - 3y^4$	-96		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 4y^4$	-99		
$-x^4 - x^3y + 3xy^3 + 9y^4$	-99		(1, 0)
$-x^4 - x^3y + 12x^2y^2 + 35xy^3 + 29y^4$	-99		(2, -1) (1, 0)
$-x^4 + x^3y - 3xy^3 + 9y^4$	-99		(1, 0)
$-x^4 + x^3y + 12x^2y^2 - 35xy^3 + 29y^4$	-99		(2, 1) (1, 0)
$x^4 - x^3y - 12x^2y^2 + 35xy^3 - 29y^4$	-99	(2, 1) (1, 0)	
$x^4 - x^3y + 3xy^3 - 9y^4$	-99	(1, 0)	
$x^4 + x^3y - 12x^2y^2 - 35xy^3 - 29y^4$	-99	(2, -1) (1, 0)	
$x^4 + x^3y - 3xy^3 - 9y^4$	-99	(1, 0)	
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 4y^4$	-99		
$-x^4 - x^3y + 3x^2y^2 + 11xy^3 + 12y^4$	-102		(1, 0)
$-x^4 - x^3y + 6x^2y^2 + 18xy^3 + 16y^4$	-102		(1, 0)
$-x^4 + x^3y + 3x^2y^2 - 11xy^3 + 12y^4$	-102		(1, 0)
$-x^4 + x^3y + 6x^2y^2 - 18xy^3 + 16y^4$	-102		(1, 0)
$x^4 - x^3y - 6x^2y^2 + 18xy^3 - 16y^4$	-102	(1, 0)	
$x^4 - x^3y - 3x^2y^2 + 11xy^3 - 12y^4$	-102	(1, 0)	
$x^4 + x^3y - 6x^2y^2 - 18xy^3 - 16y^4$	-102	(1, 0)	
$x^4 + x^3y - 3x^2y^2 - 11xy^3 - 12y^4$	-102	(1, 0)	
$-3x^4 - x^3y + xy^3 + 3y^4$	-105		
$-3x^4 + x^3y - xy^3 + 3y^4$	-105		
$3x^4 - x^3y + xy^3 - 3y^4$	-105		
$3x^4 + x^3y - xy^3 - 3y^4$	-105		
$-x^4 + 9y^4$	-108		(1, 0)
$x^4 - 9y^4$	-108	(1, 0)	
$-3x^4 - x^3y - xy^3 + 3y^4$	-111		
$-3x^4 + x^3y + xy^3 + 3y^4$	-111		
$3x^4 - x^3y - xy^3 - 3y^4$	-111		
$3x^4 + x^3y + xy^3 - 3y^4$	-111		
$-4x^4 - 6x^3y - 3x^2y^2 + xy^3 + 3y^4$	-117	(1, -1)	
$-4x^4 - 5x^3y + 5xy^3 + 4y^4$	-117		
$-4x^4 + 5x^3y - 5xy^3 + 4y^4$	-117		
$-4x^4 + 6x^3y - 3x^2y^2 - xy^3 + 3y^4$	-117	(1, 1)	
$-3x^4 - x^3y + 3x^2y^2 + 6xy^3 + 4y^4$	-117		(1, -1)
$-3x^4 + x^3y + 3x^2y^2 - 6xy^3 + 4y^4$	-117		(1, 1)
$-x^4 - x^3y - 3xy^3 + 9y^4$	-117		(1, 0)

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-x^4 - x^3y + 18x^2y^2 - 39xy^3 + 27y^4$	-117		(1, 0)
$-x^4 + x^3y + 3xy^3 + 9y^4$	-117		(1, 0)
$-x^4 + x^3y + 18x^2y^2 + 39xy^3 + 27y^4$	-117		(1, 0)
$x^4 - x^3y - 18x^2y^2 - 39xy^3 - 27y^4$	-117	(1, 0)	
$x^4 - x^3y - 3xy^3 - 9y^4$	-117	(1, 0)	
$x^4 + x^3y - 18x^2y^2 + 39xy^3 - 27y^4$	-117	(1, 0)	
$x^4 + x^3y + 3xy^3 - 9y^4$	-117	(1, 0)	
$3x^4 - x^3y - 3x^2y^2 + 6xy^3 - 4y^4$	-117	(1, 1)	
$3x^4 + x^3y - 3x^2y^2 - 6xy^3 - 4y^4$	-117	(1, -1)	
$4x^4 - 6x^3y + 3x^2y^2 + xy^3 - 3y^4$	-117		(1, 1)
$4x^4 - 5x^3y + 5xy^3 - 4y^4$	-117		
$4x^4 + 5x^3y - 5xy^3 - 4y^4$	-117		
$4x^4 + 6x^3y + 3x^2y^2 - xy^3 - 3y^4$	-117		(1, -1)
$-3x^4 - 2x^3y - 2xy^3 + 3y^4$	-120		
$-3x^4 + 2x^3y + 2xy^3 + 3y^4$	-120		
$-2x^4 + 5y^4$	-120		
$-x^4 + 10y^4$	-120		(1, 0)
$-x^4 + 2x^3y + 12x^2y^2 - 46xy^3 + 45y^4$	-120	(2, 1)	(1, 0)
$-x^4 + 2x^3y + 12x^2y^2 + 20xy^3 + 12y^4$	-120	(1, -1)	(1, 0)
$x^4 - 10y^4$	-120	(1, 0)	
$x^4 + 2x^3y - 12x^2y^2 - 46xy^3 - 45y^4$	-120	(1, 0)	(2, -1)
$x^4 + 2x^3y - 12x^2y^2 + 20xy^3 - 12y^4$	-120	(1, 0)	(1, 1)
$2x^4 - 5y^4$	-120		
$3x^4 - 2x^3y - 2xy^3 - 3y^4$	-120		
$3x^4 + 2x^3y + 2xy^3 - 3y^4$	-120		
$-2x^4 - 3x^3y + 3x^2y^2 + 12xy^3 + 10y^4$	-123		
$-2x^4 + 3x^3y + 3x^2y^2 - 12xy^3 + 10y^4$	-123		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 5y^4$	-123		
$2x^4 - 3x^3y - 3x^2y^2 + 12xy^3 - 10y^4$	-123		
$2x^4 + 3x^3y - 3x^2y^2 - 12xy^3 - 10y^4$	-123		
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 5y^4$	-123		
$-x^4 + 11y^4$	-132		(1, 0)
$x^4 - 11y^4$	-132	(1, 0)	
$-2x^4 + 3x^2y^2 - 7xy^3 + 6y^4$	-135		
$-2x^4 + 3x^2y^2 + 7xy^3 + 6y^4$	-135		
$2x^4 - 3x^2y^2 - 7xy^3 - 6y^4$	-135		
$2x^4 - 3x^2y^2 + 7xy^3 - 6y^4$	-135		
$-3x^4 - 5x^3y + 3x^2y^2 - 5xy^3 + 2y^4$	-138		
$-3x^4 + 5x^3y + 3x^2y^2 + 5xy^3 + 2y^4$	-138		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-2x^4 - 3x^3y + 6xy^3 + 8y^4$	-138		
$-2x^4 + 3x^3y - 6xy^3 + 8y^4$	-138		
$2x^4 - 3x^3y + 6xy^3 - 8y^4$	-138		
$2x^4 + 3x^3y - 6xy^3 - 8y^4$	-138		
$3x^4 - 5x^3y - 3x^2y^2 - 5xy^3 - 2y^4$	-138		
$3x^4 + 5x^3y - 3x^2y^2 + 5xy^3 - 2y^4$	-138		
$-4x^4 + 3y^4$	-144		(1, 1) (1, -1)
$-4x^4 + 8x^3y - 12xy^3 + 9y^4$	-144	(1, 1)	
$-4x^4 + 8x^3y + 4xy^3 + y^4$	-144	(0, 1)	
$-3x^4 + 4y^4$	-144	(1, 1) (1, -1)	
$-x^4 + 12y^4$	-144		(1, 0)
$-x^4 + 6x^2y^2 - 16xy^3 + 15y^4$	-144		(1, 0)
$-x^4 + 6x^2y^2 + 16xy^3 + 15y^4$	-144		(1, 0)
$-x^4 + 18x^2y^2 - 48xy^3 + 39y^4$	-144		(2, 1) (1, 0)
$-x^4 + 18x^2y^2 + 48xy^3 + 39y^4$	-144		(2, -1) (1, 0)
$-x^4 + 2x^3y - 8xy^3 + 16y^4$	-144		(1, 0)
$-x^4 + 2x^3y + 6xy^3 + 9y^4$	-144		(1, 0)
$x^4 - 18x^2y^2 - 48xy^3 - 39y^4$	-144	(2, -1) (1, 0)	
$x^4 - 18x^2y^2 + 48xy^3 - 39y^4$	-144	(2, 1) (1, 0)	
$x^4 - 6x^2y^2 - 16xy^3 - 15y^4$	-144	(1, 0)	
$x^4 - 6x^2y^2 + 16xy^3 - 15y^4$	-144	(1, 0)	
$x^4 - 12y^4$	-144	(1, 0)	
$x^4 + 2x^3y - 8xy^3 - 16y^4$	-144	(1, 0)	
$x^4 + 2x^3y + 6xy^3 - 9y^4$	-144	(1, 0)	
$3x^4 - 4y^4$	-144		(1, 1) (1, -1)
$4x^4 - 3y^4$	-144	(1, 1) (1, -1)	
$4x^4 + 8x^3y - 12xy^3 - 9y^4$	-144		(1, -1)
$4x^4 + 8x^3y + 4xy^3 - y^4$	-144		(0, 1)
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 6y^4$	-147		
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 6y^4$	-147		
$-4x^4 + 8x^3y - 6x^2y^2 + 2xy^3 + 3y^4$	-156		
$-3x^4 - 4x^3y - 4xy^3 + 3y^4$	-156		
$-3x^4 - 2x^3y + 6x^2y^2 - 8xy^3 + 4y^4$	-156		
$-3x^4 + 2x^3y + 6x^2y^2 + 8xy^3 + 4y^4$	-156		
$-3x^4 + 4x^3y + 4xy^3 + 3y^4$	-156		
$-x^4 + 13y^4$	-156		(1, 0)
$x^4 - 13y^4$	-156	(1, 0)	
$3x^4 - 4x^3y - 4xy^3 - 3y^4$	-156		
$3x^4 - 2x^3y - 6x^2y^2 - 8xy^3 - 4y^4$	-156		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$3x^4 + 2x^3y - 6x^2y^2 + 8xy^3 - 4y^4$	-156		
$3x^4 + 4x^3y + 4xy^3 - 3y^4$	-156		
$4x^4 + 8x^3y + 6x^2y^2 + 2xy^3 - 3y^4$	-156		
$-x^4 - x^3y + 18x^2y^2 + 59xy^3 + 55y^4$	-159	(2, -1)	(1, 0)
$-x^4 + x^3y + 18x^2y^2 - 59xy^3 + 55y^4$	-159	(2, 1)	(1, 0)
$x^4 - x^3y - 18x^2y^2 + 59xy^3 - 55y^4$	-159	(1, 0)	(2, 1)
$x^4 + x^3y - 18x^2y^2 - 59xy^3 - 55y^4$	-159	(1, 0)	(2, -1)
$-4x^4 - 3x^3y + 3xy^3 + 4y^4$	-165		
$-4x^4 - 2x^3y + 3x^2y^2 - 5xy^3 + 3y^4$	-165		
$-4x^4 + 2x^3y + 3x^2y^2 + 5xy^3 + 3y^4$	-165		
$-4x^4 + 3x^3y - 3xy^3 + 4y^4$	-165		
$-3x^4 - 5x^3y - 3x^2y^2 - 2xy^3 + 4y^4$	-165		
$-3x^4 + 5x^3y - 3x^2y^2 + 2xy^3 + 4y^4$	-165		
$-x^4 - x^3y + 3x^2y^2 - 10xy^3 + 12y^4$	-165		(1, 0)
$-x^4 + x^3y + 3x^2y^2 + 10xy^3 + 12y^4$	-165		(1, 0)
$x^4 - x^3y - 3x^2y^2 - 10xy^3 - 12y^4$	-165	(1, 0)	
$x^4 + x^3y - 3x^2y^2 + 10xy^3 - 12y^4$	-165	(1, 0)	
$3x^4 - 5x^3y + 3x^2y^2 - 2xy^3 - 4y^4$	-165		
$3x^4 + 5x^3y + 3x^2y^2 + 2xy^3 - 4y^4$	-165		
$4x^4 - 3x^3y + 3xy^3 - 4y^4$	-165		
$4x^4 - 2x^3y - 3x^2y^2 - 5xy^3 - 3y^4$	-165		
$4x^4 + 2x^3y - 3x^2y^2 + 5xy^3 - 3y^4$	-165		
$4x^4 + 3x^3y - 3xy^3 - 4y^4$	-165		
$-2x^4 + 7y^4$	-168		
$-x^4 - x^3y + 9x^2y^2 + 29xy^3 + 28y^4$	-168		(1, 0)
$-x^4 + 14y^4$	-168		(1, 0)
$-x^4 + x^3y + 9x^2y^2 - 29xy^3 + 28y^4$	-168		(1, 0)
$x^4 - x^3y - 9x^2y^2 + 29xy^3 - 28y^4$	-168	(1, 0)	
$x^4 - 14y^4$	-168	(1, 0)	
$x^4 + x^3y - 9x^2y^2 - 29xy^3 - 28y^4$	-168	(1, 0)	
$2x^4 - 7y^4$	-168		
$-5x^4 - 9x^3y - 6x^2y^2 - xy^3 + 3y^4$	-171		
$-5x^4 + 9x^3y - 6x^2y^2 + xy^3 + 3y^4$	-171		
$-3x^4 - x^3y + 6x^2y^2 - 9xy^3 + 5y^4$	-171		
$-3x^4 + x^3y + 6x^2y^2 + 9xy^3 + 5y^4$	-171		
$-2x^4 - 3x^3y + 9x^2y^2 - 12xy^3 + 6y^4$	-171		
$-2x^4 + 3x^3y + 9x^2y^2 + 12xy^3 + 6y^4$	-171		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 7y^4$	-171		
$-2x^4 + 4x^3y + 9x^2y^2 - 33xy^3 + 27y^4$	-171		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-2x^4 + 4x^3y + 9x^2y^2 + 11xy^3 + 5y^4$	-171		
$2x^4 - 3x^3y - 9x^2y^2 - 12xy^3 - 6y^4$	-171		
$2x^4 + 3x^3y - 9x^2y^2 + 12xy^3 - 6y^4$	-171		
$2x^4 + 4x^3y - 9x^2y^2 - 33xy^3 - 27y^4$	-171		
$2x^4 + 4x^3y - 9x^2y^2 + 11xy^3 - 5y^4$	-171		
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 7y^4$	-171		
$3x^4 - x^3y - 6x^2y^2 - 9xy^3 - 5y^4$	-171		
$3x^4 + x^3y - 6x^2y^2 + 9xy^3 - 5y^4$	-171		
$5x^4 - 9x^3y + 6x^2y^2 - xy^3 - 3y^4$	-171		
$5x^4 + 9x^3y + 6x^2y^2 + xy^3 - 3y^4$	-171		
$-5x^4 + 3y^4$	-180		
$-3x^4 + 5y^4$	-180		
$-2x^4 - x^3y + 9x^2y^2 - 15xy^3 + 9y^4$	-180		
$-2x^4 + x^3y + 9x^2y^2 + 15xy^3 + 9y^4$	-180		
$-x^4 - x^3y + 4xy^3 + 16y^4$	-180		(1, 0)
$-x^4 + 15y^4$	-180		(2, 1) (2, -1) (1, 0)
$-x^4 + x^3y - 4xy^3 + 16y^4$	-180		(1, 0)
$x^4 - x^3y + 4xy^3 - 16y^4$	-180	(1, 0)	
$x^4 - 15y^4$	-180	(2, 1) (2, -1) (1, 0)	
$x^4 + x^3y - 4xy^3 - 16y^4$	-180	(1, 0)	
$2x^4 - x^3y - 9x^2y^2 - 15xy^3 - 9y^4$	-180		
$2x^4 + x^3y - 9x^2y^2 + 15xy^3 - 9y^4$	-180		
$3x^4 - 5y^4$	-180		
$5x^4 - 3y^4$	-180		
$-3x^4 - 5x^3y - 5xy^3 + 3y^4$	-183		
$-3x^4 + 5x^3y + 5xy^3 + 3y^4$	-183		
$3x^4 - 5x^3y - 5xy^3 - 3y^4$	-183		
$3x^4 + 5x^3y + 5xy^3 - 3y^4$	-183		
$-2x^4 - x^3y + 2xy^3 + 8y^4$	-186		
$-2x^4 + x^3y - 2xy^3 + 8y^4$	-186		
$2x^4 - x^3y + 2xy^3 - 8y^4$	-186		
$2x^4 + x^3y - 2xy^3 - 8y^4$	-186		
$-5x^4 - 7x^3y - 3x^2y^2 + 2xy^3 + 4y^4$	-189	(1, -1)	
$-5x^4 + 7x^3y - 3x^2y^2 - 2xy^3 + 4y^4$	-189	(1, 1)	
$-4x^4 - 2x^3y + 3x^2y^2 + 7xy^3 + 5y^4$	-189		(1, -1)
$-4x^4 - x^3y + xy^3 + 4y^4$	-189		
$-4x^4 + x^3y - xy^3 + 4y^4$	-189		
$-4x^4 + 2x^3y + 3x^2y^2 - 7xy^3 + 5y^4$	-189		(1, 1)
$-x^4 - x^3y + 3x^2y^2 + 14xy^3 + 20y^4$	-189		(1, 0)

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-x^4 - x^3y + 30x^2y^2 + 113xy^3 + 119y^4$	-189		(1, 0)
$-x^4 + x^3y + 3x^2y^2 - 14xy^3 + 20y^4$	-189		(1, 0)
$-x^4 + x^3y + 30x^2y^2 - 113xy^3 + 119y^4$	-189		(1, 0)
$x^4 - x^3y - 30x^2y^2 + 113xy^3 - 119y^4$	-189	(1, 0)	
$x^4 - x^3y - 3x^2y^2 + 14xy^3 - 20y^4$	-189	(1, 0)	
$x^4 + x^3y - 30x^2y^2 - 113xy^3 - 119y^4$	-189	(1, 0)	
$x^4 + x^3y - 3x^2y^2 - 14xy^3 - 20y^4$	-189	(1, 0)	
$4x^4 - 2x^3y - 3x^2y^2 + 7xy^3 - 5y^4$	-189	(1, 1)	
$4x^4 - x^3y + xy^3 - 4y^4$	-189		
$4x^4 + x^3y - xy^3 - 4y^4$	-189		
$4x^4 + 2x^3y - 3x^2y^2 - 7xy^3 - 5y^4$	-189	(1, -1)	
$5x^4 - 7x^3y + 3x^2y^2 + 2xy^3 - 4y^4$	-189		(1, 1)
$5x^4 + 7x^3y + 3x^2y^2 - 2xy^3 - 4y^4$	-189		(1, -1)
$-5x^4 - 6x^3y + 6xy^3 + 5y^4$	-192		
$-5x^4 + 6x^3y - 6xy^3 + 5y^4$	-192		
$-x^4 + 16y^4$	-192		(1, 0)
$-x^4 + 12x^2y^2 - 32xy^3 + 28y^4$	-192		(1, 0)
$-x^4 + 12x^2y^2 + 32xy^3 + 28y^4$	-192		(1, 0)
$x^4 - 12x^2y^2 - 32xy^3 - 28y^4$	-192	(1, 0)	
$x^4 - 12x^2y^2 + 32xy^3 - 28y^4$	-192	(1, 0)	
$x^4 - 16y^4$	-192	(1, 0)	
$5x^4 - 6x^3y + 6xy^3 - 5y^4$	-192		
$5x^4 + 6x^3y - 6xy^3 - 5y^4$	-192		
$-4x^4 - x^3y - xy^3 + 4y^4$	-195		
$-4x^4 + x^3y + xy^3 + 4y^4$	-195		
$-2x^4 - x^3y + 9x^2y^2 + 20xy^3 + 14y^4$	-195		
$-2x^4 + x^3y + 9x^2y^2 - 20xy^3 + 14y^4$	-195		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 8y^4$	-195		
$-x^4 - x^3y + 24x^2y^2 - 61xy^3 + 49y^4$	-195		(2, 1) (1, 0)
$-x^4 + x^3y + 24x^2y^2 + 61xy^3 + 49y^4$	-195		(2, -1) (1, 0)
$x^4 - x^3y - 24x^2y^2 - 61xy^3 - 49y^4$	-195	(2, -1) (1, 0)	
$x^4 + x^3y - 24x^2y^2 + 61xy^3 - 49y^4$	-195	(2, 1) (1, 0)	
$2x^4 - x^3y - 9x^2y^2 + 20xy^3 - 14y^4$	-195		
$2x^4 + x^3y - 9x^2y^2 - 20xy^3 - 14y^4$	-195		
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 8y^4$	-195		
$4x^4 - x^3y - xy^3 - 4y^4$	-195		
$4x^4 + x^3y + xy^3 - 4y^4$	-195		
$-2x^4 - x^3y - 2xy^3 + 8y^4$	-198		
$-2x^4 + x^3y + 2xy^3 + 8y^4$	-198		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-x^4 - x^3y + 9x^2y^2 - 21xy^3 + 18y^4$	-198		(1, 0)
$-x^4 + x^3y + 9x^2y^2 + 21xy^3 + 18y^4$	-198		(1, 0)
$x^4 - x^3y - 9x^2y^2 - 21xy^3 - 18y^4$	-198	(1, 0)	
$x^4 + x^3y - 9x^2y^2 + 21xy^3 - 18y^4$	-198	(1, 0)	
$2x^4 - x^3y - 2xy^3 - 8y^4$	-198		
$2x^4 + x^3y + 2xy^3 - 8y^4$	-198		
$-x^4 - x^3y - 4xy^3 + 16y^4$	-204		(1, 0)
$-x^4 - x^3y + 6x^2y^2 - 16xy^3 + 16y^4$	-204		(1, 0)
$-x^4 + 17y^4$	-204	(2, 1) (2, -1)	(1, 0)
$-x^4 + 24x^2y^2 - 72xy^3 + 65y^4$	-204	(2, 1)	(1, 0)
$-x^4 + 24x^2y^2 + 72xy^3 + 65y^4$	-204	(2, -1)	(1, 0)
$-x^4 + x^3y + 4xy^3 + 16y^4$	-204		(1, 0)
$-x^4 + x^3y + 6x^2y^2 + 16xy^3 + 16y^4$	-204		(1, 0)
$x^4 - x^3y - 6x^2y^2 - 16xy^3 - 16y^4$	-204	(1, 0)	
$x^4 - x^3y - 4xy^3 - 16y^4$	-204	(1, 0)	
$x^4 - 24x^2y^2 - 72xy^3 - 65y^4$	-204	(1, 0)	(2, -1)
$x^4 - 24x^2y^2 + 72xy^3 - 65y^4$	-204	(1, 0)	(2, 1)
$x^4 - 17y^4$	-204	(1, 0)	(2, 1) (2, -1)
$x^4 + x^3y - 6x^2y^2 + 16xy^3 - 16y^4$	-204	(1, 0)	
$x^4 + x^3y + 4xy^3 - 16y^4$	-204	(1, 0)	
$-2x^4 - 3x^3y + 3x^2y^2 - 8xy^3 + 6y^4$	-207		
$-2x^4 + 3x^3y + 3x^2y^2 + 8xy^3 + 6y^4$	-207		
$2x^4 - 3x^3y - 3x^2y^2 - 8xy^3 - 6y^4$	-207		
$2x^4 + 3x^3y - 3x^2y^2 + 8xy^3 - 6y^4$	-207		
$-3x^4 - x^3y + 6x^2y^2 + 12xy^3 + 8y^4$	-216		
$-3x^4 + x^3y + 6x^2y^2 - 12xy^3 + 8y^4$	-216		
$-2x^4 + 9y^4$	-216		
$-x^4 + 18y^4$	-216		(1, 0)
$x^4 - 18y^4$	-216	(1, 0)	
$2x^4 - 9y^4$	-216		
$3x^4 - x^3y - 6x^2y^2 + 12xy^3 - 8y^4$	-216		
$3x^4 + x^3y - 6x^2y^2 - 12xy^3 - 8y^4$	-216		
$-4x^4 - 3x^3y - 3xy^3 + 4y^4$	-219		
$-4x^4 + 3x^3y + 3xy^3 + 4y^4$	-219		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 9y^4$	-219		(2, 1) (1, -1)
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 9y^4$	-219	(2, -1) (1, 1)	
$4x^4 - 3x^3y - 3xy^3 - 4y^4$	-219		
$4x^4 + 3x^3y + 3xy^3 - 4y^4$	-219		
$-x^4 + 19y^4$	-228		(1, 0)

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$x^4 - 19y^4$	-228	(1, 0)	
$-2x^4 + 3x^2y^2 - 9xy^3 + 10y^4$	-231		
$-2x^4 + 3x^2y^2 + 9xy^3 + 10y^4$	-231		
$2x^4 - 3x^2y^2 - 9xy^3 - 10y^4$	-231		
$2x^4 - 3x^2y^2 + 9xy^3 - 10y^4$	-231		
$-5x^4 + 4y^4$	-240		(1, 1) (1, -1)
$-4x^4 + 5y^4$	-240	(1, 1) (1, -1)	
$-x^4 + 20y^4$	-240		(1, 0)
$-x^4 + 2x^3y - 10xy^3 + 25y^4$	-240		(1, 0)
$-x^4 + 2x^3y + 8xy^3 + 16y^4$	-240		(1, 0)
$x^4 - 20y^4$	-240	(1, 0)	
$x^4 + 2x^3y - 10xy^3 - 25y^4$	-240	(1, 0)	
$x^4 + 2x^3y + 8xy^3 - 16y^4$	-240	(1, 0)	
$4x^4 - 5y^4$	-240		(1, 1) (1, -1)
$5x^4 - 4y^4$	-240	(1, 1) (1, -1)	
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 10y^4$	-243		
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 10y^4$	-243		
$-5x^4 - 9x^3y - 3x^2y^2 - 5xy^3 + 2y^4$	-246		
$-5x^4 + 9x^3y - 3x^2y^2 + 5xy^3 + 2y^4$	-246		
$-2x^4 - 3x^3y - 6xy^3 + 8y^4$	-246		
$-2x^4 - 3x^3y + 6x^2y^2 + 22xy^3 + 20y^4$	-246		
$-2x^4 + 3x^3y + 6xy^3 + 8y^4$	-246		
$-2x^4 + 3x^3y + 6x^2y^2 - 22xy^3 + 20y^4$	-246		
$2x^4 - 3x^3y - 6x^2y^2 + 22xy^3 - 20y^4$	-246		
$2x^4 - 3x^3y - 6xy^3 - 8y^4$	-246		
$2x^4 + 3x^3y - 6x^2y^2 - 22xy^3 - 20y^4$	-246		
$2x^4 + 3x^3y + 6xy^3 - 8y^4$	-246		
$5x^4 - 9x^3y + 3x^2y^2 - 5xy^3 - 2y^4$	-246		
$5x^4 + 9x^3y + 3x^2y^2 + 5xy^3 - 2y^4$	-246		
$-5x^4 - 4x^3y + 4xy^3 + 5y^4$	-252		
$-5x^4 - 2x^3y + 6x^2y^2 - 8xy^3 + 4y^4$	-252		
$-5x^4 + 2x^3y + 6x^2y^2 + 8xy^3 + 4y^4$	-252		
$-5x^4 + 4x^3y - 4xy^3 + 5y^4$	-252		
$-4x^4 + 8x^3y - 6x^2y^2 + 2xy^3 + 5y^4$	-252		
$-3x^4 + 7y^4$	-252		
$-x^4 + 21y^4$	-252		(1, 0)
$-x^4 + 6x^2y^2 - 20xy^3 + 24y^4$	-252		(1, 0)
$-x^4 + 6x^2y^2 + 20xy^3 + 24y^4$	-252		(1, 0)
$-x^4 + 2x^3y + 30x^2y^2 - 136xy^3 + 164y^4$	-252		(3, 1) (1, 0)

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-x^4 + 2x^3y + 30x^2y^2 + 74xy^3 + 59y^4$	-252		$(2, -1) (1, 0)$
$x^4 - 6x^2y^2 - 20xy^3 - 24y^4$	-252	$(1, 0)$	
$x^4 - 6x^2y^2 + 20xy^3 - 24y^4$	-252	$(1, 0)$	
$x^4 - 21y^4$	-252	$(1, 0)$	
$x^4 + 2x^3y - 30x^2y^2 - 136xy^3 - 164y^4$	-252	$(3, -1) (1, 0)$	
$x^4 + 2x^3y - 30x^2y^2 + 74xy^3 - 59y^4$	-252	$(2, 1) (1, 0)$	
$3x^4 - 7y^4$	-252		
$4x^4 + 8x^3y + 6x^2y^2 + 2xy^3 - 5y^4$	-252		
$5x^4 - 4x^3y + 4xy^3 - 5y^4$	-252		
$5x^4 - 2x^3y - 6x^2y^2 - 8xy^3 - 4y^4$	-252		
$5x^4 + 2x^3y - 6x^2y^2 + 8xy^3 - 4y^4$	-252		
$5x^4 + 4x^3y - 4xy^3 - 5y^4$	-252		
$-3x^4 - 5x^3y + 3x^2y^2 + 16xy^3 + 14y^4$	-255		
$-3x^4 + 5x^3y + 3x^2y^2 - 16xy^3 + 14y^4$	-255		
$-x^4 - x^3y + 30x^2y^2 - 85xy^3 + 75y^4$	-255	$(2, 1)$	$(1, 0)$
$-x^4 + x^3y + 30x^2y^2 + 85xy^3 + 75y^4$	-255	$(2, -1)$	$(1, 0)$
$x^4 - x^3y - 30x^2y^2 - 85xy^3 - 75y^4$	-255	$(1, 0)$	$(2, -1)$
$x^4 + x^3y - 30x^2y^2 + 85xy^3 - 75y^4$	-255	$(1, 0)$	$(2, 1)$
$3x^4 - 5x^3y - 3x^2y^2 + 16xy^3 - 14y^4$	-255		
$3x^4 + 5x^3y - 3x^2y^2 - 16xy^3 - 14y^4$	-255		
$-2x^4 + 11y^4$	-264		
$-x^4 + 22y^4$	-264		$(1, 0)$
$-x^4 + 2x^3y + 12x^2y^2 - 52xy^3 + 60y^4$	-264		$(1, 0)$
$-x^4 + 2x^3y + 12x^2y^2 + 26xy^3 + 21y^4$	-264		$(1, 0)$
$x^4 - 22y^4$	-264	$(1, 0)$	
$x^4 + 2x^3y - 12x^2y^2 - 52xy^3 - 60y^4$	-264	$(1, 0)$	
$x^4 + 2x^3y - 12x^2y^2 + 26xy^3 - 21y^4$	-264	$(1, 0)$	
$2x^4 - 11y^4$	-264		
$-4x^4 - 5x^3y - 5xy^3 + 4y^4$	-267		
$-4x^4 + 5x^3y + 5xy^3 + 4y^4$	-267		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 11y^4$	-267	$(2, 1) (1, -1)$	
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 11y^4$	-267		$(2, -1) (1, 1)$
$4x^4 - 5x^3y - 5xy^3 - 4y^4$	-267		
$4x^4 + 5x^3y + 5xy^3 - 4y^4$	-267		
$-4x^4 - 6x^3y + 9xy^3 + 9y^4$	-270		
$-4x^4 + 6x^3y - 9xy^3 + 9y^4$	-270		
$-2x^4 - x^3y + 15x^2y^2 + 35xy^3 + 25y^4$	-270		
$-2x^4 + x^3y + 15x^2y^2 - 35xy^3 + 25y^4$	-270		
$-x^4 - x^3y + 3x^2y^2 - 13xy^3 + 20y^4$	-270		$(1, 0)$

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-x^4 + x^3y + 3x^2y^2 + 13xy^3 + 20y^4$	-270		(1, 0)
$x^4 - x^3y - 3x^2y^2 - 13xy^3 - 20y^4$	-270	(1, 0)	
$x^4 + x^3y - 3x^2y^2 + 13xy^3 - 20y^4$	-270	(1, 0)	
$2x^4 - x^3y - 15x^2y^2 + 35xy^3 - 25y^4$	-270		
$2x^4 + x^3y - 15x^2y^2 - 35xy^3 - 25y^4$	-270		
$4x^4 - 6x^3y + 9xy^3 - 9y^4$	-270		
$4x^4 + 6x^3y - 9xy^3 - 9y^4$	-270		
$-5x^4 - 3x^3y + 3xy^3 + 5y^4$	-273		
$-5x^4 + 3x^3y - 3xy^3 + 5y^4$	-273		
$5x^4 - 3x^3y + 3xy^3 - 5y^4$	-273		
$5x^4 + 3x^3y - 3xy^3 - 5y^4$	-273		
$-3x^4 - x^3y + 15x^2y^2 - 23xy^3 + 12y^4$	-276		
$-3x^4 + x^3y + 15x^2y^2 + 23xy^3 + 12y^4$	-276		
$-x^4 + 23y^4$	-276		(1, 0)
$x^4 - 23y^4$	-276	(1, 0)	
$3x^4 - x^3y - 15x^2y^2 - 23xy^3 - 12y^4$	-276		
$3x^4 + x^3y - 15x^2y^2 + 23xy^3 - 12y^4$	-276		
$-6x^4 - 8x^3y - 3x^2y^2 + 3xy^3 + 5y^4$	-279	(1, -1)	
$-6x^4 + 8x^3y - 3x^2y^2 - 3xy^3 + 5y^4$	-279	(1, 1)	
$-5x^4 - 3x^3y + 3x^2y^2 + 8xy^3 + 6y^4$	-279		(1, -1)
$-5x^4 + 3x^3y + 3x^2y^2 - 8xy^3 + 6y^4$	-279		(1, 1)
$-x^4 - x^3y + 45x^2y^2 - 152xy^3 + 154y^4$	-279		(1, 0)
$-x^4 + x^3y + 45x^2y^2 + 152xy^3 + 154y^4$	-279		(1, 0)
$x^4 - x^3y - 45x^2y^2 - 152xy^3 - 154y^4$	-279	(1, 0)	
$x^4 + x^3y - 45x^2y^2 + 152xy^3 - 154y^4$	-279	(1, 0)	
$5x^4 - 3x^3y - 3x^2y^2 + 8xy^3 - 6y^4$	-279	(1, 1)	
$5x^4 + 3x^3y - 3x^2y^2 - 8xy^3 - 6y^4$	-279	(1, -1)	
$6x^4 - 8x^3y + 3x^2y^2 + 3xy^3 - 5y^4$	-279		(1, 1)
$6x^4 + 8x^3y + 3x^2y^2 - 3xy^3 - 5y^4$	-279		(1, -1)
$-4x^4 - 7x^3y + 3x^2y^2 - 7xy^3 + 3y^4$	-282		
$-4x^4 + 7x^3y + 3x^2y^2 + 7xy^3 + 3y^4$	-282		
$-3x^4 - 5x^3y + 10xy^3 + 12y^4$	-282		
$-3x^4 + 5x^3y - 10xy^3 + 12y^4$	-282		
$3x^4 - 5x^3y + 10xy^3 - 12y^4$	-282		
$3x^4 + 5x^3y - 10xy^3 - 12y^4$	-282		
$4x^4 - 7x^3y - 3x^2y^2 - 7xy^3 - 3y^4$	-282		
$4x^4 + 7x^3y - 3x^2y^2 + 7xy^3 - 3y^4$	-282		
$-6x^4 - 7x^3y + 7xy^3 + 6y^4$	-285		
$-6x^4 + 7x^3y - 7xy^3 + 6y^4$	-285		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-5x^4 - 3x^3y + 3x^2y^2 - 6xy^3 + 4y^4$	-285		
$-5x^4 + 3x^3y + 3x^2y^2 + 6xy^3 + 4y^4$	-285		
$-4x^4 - 6x^3y - 3x^2y^2 - 3xy^3 + 5y^4$	-285		
$-4x^4 + 6x^3y - 3x^2y^2 + 3xy^3 + 5y^4$	-285		
$-x^4 - x^3y + 5xy^3 + 25y^4$	-285		(1, 0)
$-x^4 + x^3y - 5xy^3 + 25y^4$	-285		(1, 0)
$x^4 - x^3y + 5xy^3 - 25y^4$	-285	(1, 0)	
$x^4 + x^3y - 5xy^3 - 25y^4$	-285	(1, 0)	
$4x^4 - 6x^3y + 3x^2y^2 - 3xy^3 - 5y^4$	-285		
$4x^4 + 6x^3y + 3x^2y^2 + 3xy^3 - 5y^4$	-285		
$5x^4 - 3x^3y - 3x^2y^2 - 6xy^3 - 4y^4$	-285		
$5x^4 + 3x^3y - 3x^2y^2 + 6xy^3 - 4y^4$	-285		
$6x^4 - 7x^3y + 7xy^3 - 6y^4$	-285		
$6x^4 + 7x^3y - 7xy^3 - 6y^4$	-285		
$-5x^4 - 2x^3y + 2xy^3 + 5y^4$	-288		
$-5x^4 + 2x^3y - 2xy^3 + 5y^4$	-288		
$-3x^4 + 8y^4$	-288		
$-x^4 + 24y^4$	-288		(1, 0)
$x^4 - 24y^4$	-288	(1, 0)	
$3x^4 - 8y^4$	-288		
$5x^4 - 2x^3y + 2xy^3 - 5y^4$	-288		
$5x^4 + 2x^3y - 2xy^3 - 5y^4$	-288		
$-2x^4 - x^3y + 15x^2y^2 - 28xy^3 + 18y^4$	-291		
$-2x^4 + x^3y + 15x^2y^2 + 28xy^3 + 18y^4$	-291		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 12y^4$	-291		
$2x^4 - x^3y - 15x^2y^2 - 28xy^3 - 18y^4$	-291		
$2x^4 + x^3y - 15x^2y^2 + 28xy^3 - 18y^4$	-291		
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 12y^4$	-291		
$-x^4 - x^3y + 18x^2y^2 - 46xy^3 + 40y^4$	-294		(1, 0)
$-x^4 + x^3y + 18x^2y^2 + 46xy^3 + 40y^4$	-294		(1, 0)
$x^4 - x^3y - 18x^2y^2 - 46xy^3 - 40y^4$	-294	(1, 0)	
$x^4 + x^3y - 18x^2y^2 + 46xy^3 - 40y^4$	-294	(1, 0)	
$-5x^4 - x^3y + xy^3 + 5y^4$	-297		
$-5x^4 + x^3y - xy^3 + 5y^4$	-297		
$-4x^4 - 6x^3y + 9x^2y^2 + 27xy^3 + 18y^4$	-297		
$-4x^4 - 2x^3y + 9x^2y^2 + 17xy^3 + 10y^4$	-297		
$-4x^4 + 2x^3y + 9x^2y^2 - 17xy^3 + 10y^4$	-297		
$-4x^4 + 6x^3y + 9x^2y^2 - 27xy^3 + 18y^4$	-297		
$-2x^4 - x^3y + 6x^2y^2 + 17xy^3 + 16y^4$	-297		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-2x^4 + x^3y + 6x^2y^2 - 17xy^3 + 16y^4$	-297		
$-x^4 - x^3y + 9x^2y^2 + 34xy^3 + 40y^4$	-297		(1, 0)
$-x^4 - x^3y + 12x^2y^2 - 31xy^3 + 29y^4$	-297		(1, 0)
$-x^4 + x^3y + 9x^2y^2 - 34xy^3 + 40y^4$	-297		(1, 0)
$-x^4 + x^3y + 12x^2y^2 + 31xy^3 + 29y^4$	-297		(1, 0)
$x^4 - x^3y - 12x^2y^2 - 31xy^3 - 29y^4$	-297	(1, 0)	
$x^4 - x^3y - 9x^2y^2 + 34xy^3 - 40y^4$	-297	(1, 0)	
$x^4 + x^3y - 12x^2y^2 + 31xy^3 - 29y^4$	-297	(1, 0)	
$x^4 + x^3y - 9x^2y^2 - 34xy^3 - 40y^4$	-297	(1, 0)	
$2x^4 - x^3y - 6x^2y^2 + 17xy^3 - 16y^4$	-297		
$2x^4 + x^3y - 6x^2y^2 - 17xy^3 - 16y^4$	-297		
$4x^4 - 6x^3y - 9x^2y^2 + 27xy^3 - 18y^4$	-297		
$4x^4 - 2x^3y - 9x^2y^2 + 17xy^3 - 10y^4$	-297		
$4x^4 + 2x^3y - 9x^2y^2 - 17xy^3 - 10y^4$	-297		
$4x^4 + 6x^3y - 9x^2y^2 - 27xy^3 - 18y^4$	-297		
$5x^4 - x^3y + xy^3 - 5y^4$	-297		
$5x^4 + x^3y - xy^3 - 5y^4$	-297		
$-4x^4 - 4x^3y + 6x^2y^2 + 16xy^3 + 11y^4$	-300	(1, -1)	
$-4x^4 + 4x^3y + 6x^2y^2 - 16xy^3 + 11y^4$	-300	(1, 1)	
$-3x^4 - 4x^3y + 6x^2y^2 + 20xy^3 + 16y^4$	-300		
$-3x^4 + 4x^3y + 6x^2y^2 - 20xy^3 + 16y^4$	-300		
$-x^4 - x^3y + 3x^2y^2 + 17xy^3 + 30y^4$	-300		(1, 0)
$-x^4 + 25y^4$	-300		(1, 0)
$-x^4 + 30x^2y^2 - 100xy^3 + 100y^4$	-300		(1, 0)
$-x^4 + 30x^2y^2 + 100xy^3 + 100y^4$	-300		(1, 0)
$-x^4 + x^3y + 3x^2y^2 - 17xy^3 + 30y^4$	-300		(1, 0)
$-x^4 + 2x^3y + 6x^2y^2 - 32xy^3 + 44y^4$	-300		(1, 0)
$-x^4 + 2x^3y + 6x^2y^2 + 18xy^3 + 19y^4$	-300		(1, 0)
$x^4 - x^3y - 3x^2y^2 + 17xy^3 - 30y^4$	-300	(1, 0)	
$x^4 - 30x^2y^2 - 100xy^3 - 100y^4$	-300	(1, 0)	
$x^4 - 30x^2y^2 + 100xy^3 - 100y^4$	-300	(1, 0)	
$x^4 - 25y^4$	-300	(1, 0)	
$x^4 + x^3y - 3x^2y^2 - 17xy^3 - 30y^4$	-300	(1, 0)	
$x^4 + 2x^3y - 6x^2y^2 - 32xy^3 - 44y^4$	-300	(1, 0)	
$x^4 + 2x^3y - 6x^2y^2 + 18xy^3 - 19y^4$	-300	(1, 0)	
$3x^4 - 4x^3y - 6x^2y^2 + 20xy^3 - 16y^4$	-300		
$3x^4 + 4x^3y - 6x^2y^2 - 20xy^3 - 16y^4$	-300		
$4x^4 - 4x^3y - 6x^2y^2 + 16xy^3 - 11y^4$	-300		(1, 1)
$4x^4 + 4x^3y - 6x^2y^2 - 16xy^3 - 11y^4$	-300		(1, -1)

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-5x^4 - x^3y - xy^3 + 5y^4$	-303		
$-5x^4 + x^3y + xy^3 + 5y^4$	-303		
$5x^4 - x^3y - xy^3 - 5y^4$	-303		
$5x^4 + x^3y + xy^3 - 5y^4$	-303		
$-5x^4 - 2x^3y - 2xy^3 + 5y^4$	-312		
$-5x^4 + 2x^3y + 2xy^3 + 5y^4$	-312		
$-2x^4 + 13y^4$	-312		
$-x^4 + 26y^4$	-312		(1, 0)
$-x^4 + 2x^3y + 36x^2y^2 - 172xy^3 + 220y^4$	-312	(3, 1)	(1, 0)
$-x^4 + 2x^3y + 36x^2y^2 + 98xy^3 + 85y^4$	-312	(2, -1)	(1, 0)
$x^4 - 26y^4$	-312	(1, 0)	
$x^4 + 2x^3y - 36x^2y^2 - 172xy^3 - 220y^4$	-312	(1, 0)	(3, -1)
$x^4 + 2x^3y - 36x^2y^2 + 98xy^3 - 85y^4$	-312	(1, 0)	(2, 1)
$2x^4 - 13y^4$	-312		
$5x^4 - 2x^3y - 2xy^3 - 5y^4$	-312		
$5x^4 + 2x^3y + 2xy^3 - 5y^4$	-312		
$-6x^4 + 12x^3y - 9x^2y^2 + 3xy^3 + 4y^4$	-315		
$-4x^4 - 3x^3y + 9x^2y^2 - 12xy^3 + 6y^4$	-315		
$-4x^4 + 3x^3y + 9x^2y^2 + 12xy^3 + 6y^4$	-315		
$-2x^4 - 3x^3y + 18x^2y^2 + 57xy^3 + 48y^4$	-315		
$-2x^4 + 3x^3y + 18x^2y^2 - 57xy^3 + 48y^4$	-315		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 13y^4$	-315		
$-2x^4 + 4x^3y + 9x^2y^2 - 37xy^3 + 35y^4$	-315		
$-2x^4 + 4x^3y + 9x^2y^2 + 15xy^3 + 9y^4$	-315		
$-x^4 - x^3y - 5xy^3 + 25y^4$	-315		(1, 0)
$-x^4 - x^3y + 39x^2y^2 + 164xy^3 + 194y^4$	-315		(3, -1) (1, 0)
$-x^4 + x^3y + 5xy^3 + 25y^4$	-315		(1, 0)
$-x^4 + x^3y + 39x^2y^2 - 164xy^3 + 194y^4$	-315		(3, 1) (1, 0)
$x^4 - x^3y - 39x^2y^2 + 164xy^3 - 194y^4$	-315	(3, 1) (1, 0)	
$x^4 - x^3y - 5xy^3 - 25y^4$	-315	(1, 0)	
$x^4 + x^3y - 39x^2y^2 - 164xy^3 - 194y^4$	-315	(3, -1) (1, 0)	
$x^4 + x^3y + 5xy^3 - 25y^4$	-315	(1, 0)	
$2x^4 - 3x^3y - 18x^2y^2 + 57xy^3 - 48y^4$	-315		
$2x^4 + 3x^3y - 18x^2y^2 - 57xy^3 - 48y^4$	-315		
$2x^4 + 4x^3y - 9x^2y^2 - 37xy^3 - 35y^4$	-315		
$2x^4 + 4x^3y - 9x^2y^2 + 15xy^3 - 9y^4$	-315		
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 13y^4$	-315		
$4x^4 - 3x^3y - 9x^2y^2 - 12xy^3 - 6y^4$	-315		
$4x^4 + 3x^3y - 9x^2y^2 + 12xy^3 - 6y^4$	-315		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$6x^4 + 12x^3y + 9x^2y^2 + 3xy^3 - 4y^4$	-315	(1, 0)	(1, 0)
$-x^4 + 27y^4$	-324		
$x^4 - 27y^4$	-324		
$-5x^4 - 3x^3y - 3xy^3 + 5y^4$	-327		
$-5x^4 + 3x^3y + 3xy^3 + 5y^4$	-327		
$5x^4 - 3x^3y - 3xy^3 - 5y^4$	-327		
$5x^4 + 3x^3y + 3xy^3 - 5y^4$	-327		
$-7x^4 - 13x^3y - 9x^2y^2 - 2xy^3 + 4y^4$	-333		
$-7x^4 + 13x^3y - 9x^2y^2 + 2xy^3 + 4y^4$	-333		
$-4x^4 - 2x^3y + 9x^2y^2 - 13xy^3 + 7y^4$	-333		
$-4x^4 + 2x^3y + 9x^2y^2 + 13xy^3 + 7y^4$	-333		
$-3x^4 - 5x^3y + 12x^2y^2 - 15xy^3 + 7y^4$	-333		
$-3x^4 + 5x^3y + 12x^2y^2 + 15xy^3 + 7y^4$	-333		
$-x^4 - x^3y + 9x^2y^2 - 26xy^3 + 28y^4$	-333		(1, 0)
$-x^4 + x^3y + 9x^2y^2 + 26xy^3 + 28y^4$	-333		
$x^4 - x^3y - 9x^2y^2 - 26xy^3 - 28y^4$	-333	(1, 0)	(1, 0)
$x^4 + x^3y - 9x^2y^2 + 26xy^3 - 28y^4$	-333	(1, 0)	
$3x^4 - 5x^3y - 12x^2y^2 - 15xy^3 - 7y^4$	-333	(1, 0)	(1, 0)
$3x^4 + 5x^3y - 12x^2y^2 + 15xy^3 - 7y^4$	-333		
$4x^4 - 2x^3y - 9x^2y^2 - 13xy^3 - 7y^4$	-333		
$4x^4 + 2x^3y - 9x^2y^2 + 13xy^3 - 7y^4$	-333		
$7x^4 - 13x^3y + 9x^2y^2 - 2xy^3 - 4y^4$	-333		
$7x^4 + 13x^3y + 9x^2y^2 + 2xy^3 - 4y^4$	-333		
$-7x^4 + 4y^4$	-336		
$-5x^4 - 8x^3y + 6x^2y^2 - 8xy^3 + 3y^4$	-336		
$-5x^4 + 8x^3y + 6x^2y^2 + 8xy^3 + 3y^4$	-336		
$-4x^4 + 7y^4$	-336		
$-3x^4 - 5x^3y - 3x^2y^2 + xy^3 + 10y^4$	-336		
$-3x^4 - 4x^3y + 8xy^3 + 12y^4$	-336		
$-3x^4 - 4x^3y + 12x^2y^2 - 16xy^3 + 8y^4$	-336		
$-3x^4 + 4x^3y - 8xy^3 + 12y^4$	-336		
$-3x^4 + 4x^3y + 12x^2y^2 + 16xy^3 + 8y^4$	-336		
$-3x^4 + 5x^3y - 3x^2y^2 - xy^3 + 10y^4$	-336		
$-x^4 + 28y^4$	-336		(1, 0)
$x^4 - 28y^4$	-336		
$3x^4 - 5x^3y + 3x^2y^2 + xy^3 - 10y^4$	-336		
$3x^4 - 4x^3y - 12x^2y^2 - 16xy^3 - 8y^4$	-336		
$3x^4 - 4x^3y + 8xy^3 - 12y^4$	-336		
$3x^4 + 4x^3y - 12x^2y^2 + 16xy^3 - 8y^4$	-336		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$3x^4 + 4x^3y - 8xy^3 - 12y^4$	-336		
$3x^4 + 5x^3y + 3x^2y^2 - xy^3 - 10y^4$	-336		
$4x^4 - 7y^4$	-336		
$5x^4 - 8x^3y - 6x^2y^2 - 8xy^3 - 3y^4$	-336		
$5x^4 + 8x^3y - 6x^2y^2 + 8xy^3 - 3y^4$	-336		
$7x^4 - 4y^4$	-336		
$-4x^4 - 7x^3y - 7xy^3 + 4y^4$	-339		
$-4x^4 + 7x^3y + 7xy^3 + 4y^4$	-339		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 14y^4$	-339		
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 14y^4$	-339		
$4x^4 - 7x^3y - 7xy^3 - 4y^4$	-339		
$4x^4 + 7x^3y + 7xy^3 - 4y^4$	-339		
$-2x^4 - 3x^3y + 3x^2y^2 + 17xy^3 + 21y^4$	-342		
$-2x^4 + 3x^3y + 3x^2y^2 - 17xy^3 + 21y^4$	-342		
$-x^4 - x^3y + 18x^2y^2 + 66xy^3 + 72y^4$	-342		(1, 0)
$-x^4 + x^3y + 18x^2y^2 - 66xy^3 + 72y^4$	-342		(1, 0)
$x^4 - x^3y - 18x^2y^2 + 66xy^3 - 72y^4$	-342	(1, 0)	
$x^4 + x^3y - 18x^2y^2 - 66xy^3 - 72y^4$	-342	(1, 0)	
$2x^4 - 3x^3y - 3x^2y^2 + 17xy^3 - 21y^4$	-342		
$2x^4 + 3x^3y - 3x^2y^2 - 17xy^3 - 21y^4$	-342		
$-5x^4 - 4x^3y - 4xy^3 + 5y^4$	-348		
$-5x^4 + 4x^3y + 4xy^3 + 5y^4$	-348		
$-4x^4 + 8x^3y - 6x^2y^2 + 2xy^3 + 7y^4$	-348		
$-x^4 + 29y^4$	-348		(1, 0)
$x^4 - 29y^4$	-348	(1, 0)	
$4x^4 + 8x^3y + 6x^2y^2 + 2xy^3 - 7y^4$	-348		
$5x^4 - 4x^3y - 4xy^3 - 5y^4$	-348		
$5x^4 + 4x^3y + 4xy^3 - 5y^4$	-348		
$-7x^4 - 11x^3y - 6x^2y^2 + xy^3 + 5y^4$	-351		
$-7x^4 + 11x^3y - 6x^2y^2 - xy^3 + 5y^4$	-351		
$-5x^4 - x^3y + 6x^2y^2 + 11xy^3 + 7y^4$	-351		
$-5x^4 + x^3y + 6x^2y^2 - 11xy^3 + 7y^4$	-351		
$-2x^4 - 3x^3y + 9xy^3 + 18y^4$	-351		
$-2x^4 + 3x^2y^2 - 11xy^3 + 15y^4$	-351		
$-2x^4 + 3x^2y^2 + 11xy^3 + 15y^4$	-351		
$-2x^4 + 27x^2y^2 - 63xy^3 + 45y^4$	-351		
$-2x^4 + 27x^2y^2 + 63xy^3 + 45y^4$	-351		
$-2x^4 + 3x^3y - 9xy^3 + 18y^4$	-351		
$2x^4 - 3x^3y + 9xy^3 - 18y^4$	-351		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$2x^4 - 27x^2y^2 - 63xy^3 - 45y^4$	-351		
$2x^4 - 27x^2y^2 + 63xy^3 - 45y^4$	-351		
$2x^4 - 3x^2y^2 - 11xy^3 - 15y^4$	-351		
$2x^4 - 3x^2y^2 + 11xy^3 - 15y^4$	-351		
$2x^4 + 3x^3y - 9xy^3 - 18y^4$	-351		
$5x^4 - x^3y - 6x^2y^2 + 11xy^3 - 7y^4$	-351		
$5x^4 + x^3y - 6x^2y^2 - 11xy^3 - 7y^4$	-351		
$7x^4 - 11x^3y + 6x^2y^2 + xy^3 - 5y^4$	-351		
$7x^4 + 11x^3y + 6x^2y^2 - xy^3 - 5y^4$	-351		
$-6x^4 - 5x^3y + 5xy^3 + 6y^4$	-357		
$-6x^4 + 5x^3y - 5xy^3 + 6y^4$	-357		
$6x^4 - 5x^3y + 5xy^3 - 6y^4$	-357		
$6x^4 + 5x^3y - 5xy^3 - 6y^4$	-357		
$-6x^4 + 5y^4$	-360		(1, 1) (1, -1)
$-5x^4 + 6y^4$	-360	(1, 1) (1, -1)	
$-4x^4 - 4x^3y + 6xy^3 + 9y^4$	-360		
$-4x^4 + 4x^3y - 6xy^3 + 9y^4$	-360		
$-3x^4 + 10y^4$	-360		
$-2x^4 + 15y^4$	-360		
$-x^4 + 30y^4$	-360		(1, 0)
$-x^4 + 2x^3y - 12xy^3 + 36y^4$	-360		(1, 0)
$-x^4 + 2x^3y + 10xy^3 + 25y^4$	-360		(1, 0)
$x^4 - 30y^4$	-360	(1, 0)	
$x^4 + 2x^3y - 12xy^3 - 36y^4$	-360	(1, 0)	
$x^4 + 2x^3y + 10xy^3 - 25y^4$	-360	(1, 0)	
$2x^4 - 15y^4$	-360		
$3x^4 - 10y^4$	-360		
$4x^4 - 4x^3y + 6xy^3 - 9y^4$	-360		
$4x^4 + 4x^3y - 6xy^3 - 9y^4$	-360		
$5x^4 - 6y^4$	-360		(1, 1) (1, -1)
$6x^4 - 5y^4$	-360	(1, 1) (1, -1)	
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 15y^4$	-363		
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 15y^4$	-363		
$-x^4 + 31y^4$	-372		(1, 0)
$x^4 - 31y^4$	-372	(1, 0)	
$-x^4 - x^3y + 45x^2y^2 + 200xy^3 + 250y^4$	-375	(3, -1)	(1, 0)
$-x^4 + x^3y + 45x^2y^2 - 200xy^3 + 250y^4$	-375	(3, 1)	(1, 0)
$x^4 - x^3y - 45x^2y^2 + 200xy^3 - 250y^4$	-375	(1, 0)	(3, 1)
$x^4 + x^3y - 45x^2y^2 - 200xy^3 - 250y^4$	-375	(1, 0)	(3, -1)

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-3x^4 - x^3y + 3x^2y^2 - 9xy^3 + 10y^4$	-378		
$-3x^4 + x^3y + 3x^2y^2 + 9xy^3 + 10y^4$	-378		
$3x^4 - x^3y - 3x^2y^2 - 9xy^3 - 10y^4$	-378		
$3x^4 + x^3y - 3x^2y^2 + 9xy^3 - 10y^4$	-378		
$-x^4 + 32y^4$	-384		(1, 0)
$-x^4 + 6x^2y^2 - 24xy^3 + 35y^4$	-384		(1, 0)
$-x^4 + 6x^2y^2 + 24xy^3 + 35y^4$	-384		(1, 0)
$-x^4 + 48x^2y^2 - 192xy^3 + 224y^4$	-384		(3, 1) (1, 0)
$-x^4 + 48x^2y^2 + 192xy^3 + 224y^4$	-384		(3, -1) (1, 0)
$x^4 - 48x^2y^2 - 192xy^3 - 224y^4$	-384	(3, -1) (1, 0)	
$x^4 - 48x^2y^2 + 192xy^3 - 224y^4$	-384	(3, 1) (1, 0)	
$x^4 - 6x^2y^2 - 24xy^3 - 35y^4$	-384	(1, 0)	
$x^4 - 6x^2y^2 + 24xy^3 - 35y^4$	-384	(1, 0)	
$x^4 - 32y^4$	-384	(1, 0)	
$-7x^4 - 9x^3y - 3x^2y^2 + 4xy^3 + 6y^4$	-387	(1, -1)	
$-7x^4 + 9x^3y - 3x^2y^2 - 4xy^3 + 6y^4$	-387	(1, 1)	
$-6x^4 - 4x^3y + 3x^2y^2 + 9xy^3 + 7y^4$	-387		(1, -1)
$-6x^4 + 4x^3y + 3x^2y^2 - 9xy^3 + 7y^4$	-387		(1, 1)
$-6x^4 + 12x^3y - 9x^2y^2 + 3xy^3 + 5y^4$	-387		
$-5x^4 - 3x^3y + 9x^2y^2 - 12xy^3 + 6y^4$	-387		
$-5x^4 + 3x^3y + 9x^2y^2 + 12xy^3 + 6y^4$	-387		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 16y^4$	-387		
$-x^4 - x^3y + 63x^2y^2 + 316xy^3 + 442y^4$	-387		(1, 0)
$-x^4 + x^3y + 63x^2y^2 - 316xy^3 + 442y^4$	-387		(1, 0)
$x^4 - x^3y - 63x^2y^2 + 316xy^3 - 442y^4$	-387	(1, 0)	
$x^4 + x^3y - 63x^2y^2 - 316xy^3 - 442y^4$	-387	(1, 0)	
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 16y^4$	-387		
$5x^4 - 3x^3y - 9x^2y^2 - 12xy^3 - 6y^4$	-387		
$5x^4 + 3x^3y - 9x^2y^2 + 12xy^3 - 6y^4$	-387		
$6x^4 - 4x^3y - 3x^2y^2 + 9xy^3 - 7y^4$	-387	(1, 1)	
$6x^4 + 4x^3y - 3x^2y^2 - 9xy^3 - 7y^4$	-387	(1, -1)	
$6x^4 + 12x^3y + 9x^2y^2 + 3xy^3 - 5y^4$	-387		
$7x^4 - 9x^3y + 3x^2y^2 + 4xy^3 - 6y^4$	-387		(1, 1)
$7x^4 + 9x^3y + 3x^2y^2 - 4xy^3 - 6y^4$	-387		(1, -1)
$-7x^4 - 8x^3y + 8xy^3 + 7y^4$	-396		
$-7x^4 + 8x^3y - 8xy^3 + 7y^4$	-396		
$-3x^4 - 4x^3y + 6x^2y^2 - 12xy^3 + 8y^4$	-396		
$-3x^4 + 11y^4$	-396		
$-3x^4 + 4x^3y + 6x^2y^2 + 12xy^3 + 8y^4$	-396		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$	
$-2x^4 - x^3y + 6x^2y^2 - 16xy^3 + 16y^4$	-396	(1, 0)	(1, 0)	
$-2x^4 + x^3y + 6x^2y^2 + 16xy^3 + 16y^4$	-396			
$-x^4 + 33y^4$	-396			
$x^4 - 33y^4$	-396			
$2x^4 - x^3y - 6x^2y^2 - 16xy^3 - 16y^4$	-396			
$2x^4 + x^3y - 6x^2y^2 + 16xy^3 - 16y^4$	-396			
$3x^4 - 4x^3y - 6x^2y^2 - 12xy^3 - 8y^4$	-396			
$3x^4 - 11y^4$	-396			
$3x^4 + 4x^3y - 6x^2y^2 + 12xy^3 - 8y^4$	-396			
$7x^4 - 8x^3y + 8xy^3 - 7y^4$	-396			
$7x^4 + 8x^3y - 8xy^3 - 7y^4$	-396			
$-x^4 - x^3y + 3x^2y^2 - 16xy^3 + 30y^4$	-399		(1, 0)	
$-x^4 + x^3y + 3x^2y^2 + 16xy^3 + 30y^4$	-399		(1, 0)	
$x^4 - x^3y - 3x^2y^2 - 16xy^3 - 30y^4$	-399	(1, 0)		
$x^4 + x^3y - 3x^2y^2 + 16xy^3 - 30y^4$	-399	(1, 0)		
$-7x^4 - 12x^3y - 6x^2y^2 + 4xy^3 + 7y^4$	-408			
$-7x^4 - 4x^3y + 6x^2y^2 + 12xy^3 + 7y^4$	-408			
$-7x^4 + 4x^3y + 6x^2y^2 - 12xy^3 + 7y^4$	-408			
$-7x^4 + 12x^3y - 6x^2y^2 - 4xy^3 + 7y^4$	-408			
$-6x^4 - 11x^3y - 6x^2y^2 + 4xy^3 + 8y^4$	-408			
$-6x^4 + 11x^3y - 6x^2y^2 - 4xy^3 + 8y^4$	-408			
$-5x^4 - 6x^3y - 6xy^3 + 5y^4$	-408			
$-5x^4 + 6x^3y + 6xy^3 + 5y^4$	-408			
$-3x^4 - 5x^3y + 12x^2y^2 + 40xy^3 + 32y^4$	-408			
$-3x^4 - 2x^3y + 4xy^3 + 12y^4$	-408			
$-3x^4 - 2x^3y + 12x^2y^2 + 28xy^3 + 20y^4$	-408			
$-3x^4 + 2x^3y - 4xy^3 + 12y^4$	-408			
$-3x^4 + 2x^3y + 12x^2y^2 - 28xy^3 + 20y^4$	-408			
$-3x^4 + 5x^3y + 12x^2y^2 - 40xy^3 + 32y^4$	-408			
$-2x^4 - x^3y + 3x^2y^2 + 13xy^3 + 19y^4$	-408			
$-2x^4 + 17y^4$	-408			
$-2x^4 + 24x^2y^2 - 56xy^3 + 41y^4$	-408			
$-2x^4 + 24x^2y^2 + 56xy^3 + 41y^4$	-408			
$-2x^4 + x^3y + 3x^2y^2 - 13xy^3 + 19y^4$	-408			
$-x^4 + 34y^4$	-408			(1, 0)
$-x^4 + 12x^2y^2 - 40xy^3 + 46y^4$	-408			(1, 0)
$-x^4 + 12x^2y^2 + 40xy^3 + 46y^4$	-408	(1, 0)		
$-x^4 + 2x^3y + 24x^2y^2 - 110xy^3 + 137y^4$	-408	(1, 0)		
$-x^4 + 2x^3y + 24x^2y^2 + 60xy^3 + 52y^4$	-408	(1, 0)		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$x^4 - 12x^2y^2 - 40xy^3 - 46y^4$	-408	(1, 0)	
$x^4 - 12x^2y^2 + 40xy^3 - 46y^4$	-408	(1, 0)	
$x^4 - 34y^4$	-408	(1, 0)	
$x^4 + 2x^3y - 24x^2y^2 - 110xy^3 - 137y^4$	-408	(1, 0)	
$x^4 + 2x^3y - 24x^2y^2 + 60xy^3 - 52y^4$	-408	(1, 0)	
$2x^4 - x^3y - 3x^2y^2 + 13xy^3 - 19y^4$	-408		
$2x^4 - 24x^2y^2 - 56xy^3 - 41y^4$	-408		
$2x^4 - 24x^2y^2 + 56xy^3 - 41y^4$	-408		
$2x^4 - 17y^4$	-408		
$2x^4 + x^3y - 3x^2y^2 - 13xy^3 - 19y^4$	-408		
$3x^4 - 5x^3y - 12x^2y^2 + 40xy^3 - 32y^4$	-408		
$3x^4 - 2x^3y - 12x^2y^2 + 28xy^3 - 20y^4$	-408		
$3x^4 - 2x^3y + 4xy^3 - 12y^4$	-408		
$3x^4 + 2x^3y - 12x^2y^2 - 28xy^3 - 20y^4$	-408		
$3x^4 + 2x^3y - 4xy^3 - 12y^4$	-408		
$3x^4 + 5x^3y - 12x^2y^2 - 40xy^3 - 32y^4$	-408		
$5x^4 - 6x^3y - 6xy^3 - 5y^4$	-408		
$5x^4 + 6x^3y + 6xy^3 - 5y^4$	-408		
$6x^4 - 11x^3y + 6x^2y^2 + 4xy^3 - 8y^4$	-408		
$6x^4 + 11x^3y + 6x^2y^2 - 4xy^3 - 8y^4$	-408		
$7x^4 - 12x^3y + 6x^2y^2 + 4xy^3 - 7y^4$	-408		
$7x^4 - 4x^3y - 6x^2y^2 + 12xy^3 - 7y^4$	-408		
$7x^4 + 4x^3y - 6x^2y^2 - 12xy^3 - 7y^4$	-408		
$7x^4 + 12x^3y + 6x^2y^2 - 4xy^3 - 7y^4$	-408		
$-2x^4 - 3x^3y + 21x^2y^2 - 36xy^3 + 22y^4$	-411		
$-2x^4 + 3x^3y + 21x^2y^2 + 36xy^3 + 22y^4$	-411		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 17y^4$	-411		
$2x^4 - 3x^3y - 21x^2y^2 - 36xy^3 - 22y^4$	-411		
$2x^4 + 3x^3y - 21x^2y^2 + 36xy^3 - 22y^4$	-411		
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 17y^4$	-411		
$-4x^4 - 2x^3y + 3xy^3 + 9y^4$	-414		
$-4x^4 + 2x^3y - 3xy^3 + 9y^4$	-414		
$-x^4 - x^3y + 6xy^3 + 36y^4$	-414		(1, 0)
$-x^4 + x^3y - 6xy^3 + 36y^4$	-414		(1, 0)
$x^4 - x^3y + 6xy^3 - 36y^4$	-414	(1, 0)	
$x^4 + x^3y - 6xy^3 - 36y^4$	-414	(1, 0)	
$4x^4 - 2x^3y + 3xy^3 - 9y^4$	-414		
$4x^4 + 2x^3y - 3xy^3 - 9y^4$	-414		
$-7x^4 + 5y^4$	-420		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-5x^4 + 7y^4$	-420	(1, 0)	(1, 0)
$-x^4 + 35y^4$	-420		
$x^4 - 35y^4$	-420		
$5x^4 - 7y^4$	-420		
$7x^4 - 5y^4$	-420		
$-2x^4 - x^3y + 3xy^3 + 18y^4$	-423		
$-2x^4 + x^3y - 3xy^3 + 18y^4$	-423		
$2x^4 - x^3y + 3xy^3 - 18y^4$	-423		
$2x^4 + x^3y - 3xy^3 - 18y^4$	-423		
$-3x^4 - x^3y + 2xy^3 + 12y^4$	-426		
$-3x^4 + x^3y - 2xy^3 + 12y^4$	-426		
$3x^4 - x^3y + 2xy^3 - 12y^4$	-426		
$3x^4 + x^3y - 2xy^3 - 12y^4$	-426		
$-6x^4 - x^3y + xy^3 + 6y^4$	-429		
$-6x^4 + x^3y - xy^3 + 6y^4$	-429		
$6x^4 - x^3y + xy^3 - 6y^4$	-429		
$6x^4 + x^3y - xy^3 - 6y^4$	-429		
$-4x^4 + 9y^4$	-432		
$-x^4 + 36y^4$	-432		(1, 0)
$-x^4 + 24x^2y^2 - 80xy^3 + 84y^4$	-432		(1, 0)
$-x^4 + 24x^2y^2 + 80xy^3 + 84y^4$	-432		(1, 0)
$-x^4 + 2x^3y + 12x^2y^2 - 58xy^3 + 77y^4$	-432		(1, 0)
$-x^4 + 2x^3y + 12x^2y^2 + 32xy^3 + 32y^4$	-432		(1, 0)
$x^4 - 24x^2y^2 - 80xy^3 - 84y^4$	-432	(1, 0)	
$x^4 - 24x^2y^2 + 80xy^3 - 84y^4$	-432	(1, 0)	
$x^4 - 36y^4$	-432	(1, 0)	
$x^4 + 2x^3y - 12x^2y^2 - 58xy^3 - 77y^4$	-432	(1, 0)	
$x^4 + 2x^3y - 12x^2y^2 + 32xy^3 - 32y^4$	-432	(1, 0)	
$4x^4 - 9y^4$	-432	(1, 0)	
$-6x^4 - 4x^3y + 3x^2y^2 - 7xy^3 + 5y^4$	-435		
$-6x^4 - x^3y - xy^3 + 6y^4$	-435		
$-6x^4 + x^3y + xy^3 + 6y^4$	-435		
$-6x^4 + 4x^3y + 3x^2y^2 + 7xy^3 + 5y^4$	-435		
$-5x^4 - 7x^3y - 3x^2y^2 - 4xy^3 + 6y^4$	-435		
$-5x^4 + 7x^3y - 3x^2y^2 + 4xy^3 + 6y^4$	-435		
$-4x^4 - 7x^3y + 3x^2y^2 + 20xy^3 + 18y^4$	-435		
$-4x^4 + 7x^3y + 3x^2y^2 - 20xy^3 + 18y^4$	-435		
$-3x^4 - 5x^3y + 15x^2y^2 - 20xy^3 + 10y^4$	-435		
$-3x^4 + 5x^3y + 15x^2y^2 + 20xy^3 + 10y^4$	-435		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 18y^4$	-435		
$-x^4 - x^3y + 3x^2y^2 + 20xy^3 + 42y^4$	-435		(1, 0)
$-x^4 + x^3y + 3x^2y^2 - 20xy^3 + 42y^4$	-435		(1, 0)
$x^4 - x^3y - 3x^2y^2 + 20xy^3 - 42y^4$	-435	(1, 0)	
$x^4 + x^3y - 3x^2y^2 - 20xy^3 - 42y^4$	-435	(1, 0)	
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 18y^4$	-435		
$3x^4 - 5x^3y - 15x^2y^2 - 20xy^3 - 10y^4$	-435		
$3x^4 + 5x^3y - 15x^2y^2 + 20xy^3 - 10y^4$	-435		
$4x^4 - 7x^3y - 3x^2y^2 + 20xy^3 - 18y^4$	-435		
$4x^4 + 7x^3y - 3x^2y^2 - 20xy^3 - 18y^4$	-435		
$5x^4 - 7x^3y + 3x^2y^2 - 4xy^3 - 6y^4$	-435		
$5x^4 + 7x^3y + 3x^2y^2 + 4xy^3 - 6y^4$	-435		
$6x^4 - 4x^3y - 3x^2y^2 - 7xy^3 - 5y^4$	-435		
$6x^4 - x^3y - xy^3 - 6y^4$	-435		
$6x^4 + x^3y + xy^3 - 6y^4$	-435		
$6x^4 + 4x^3y - 3x^2y^2 + 7xy^3 - 5y^4$	-435		
$-6x^4 - 11x^3y - 3x^2y^2 - 7xy^3 + 3y^4$	-438		
$-6x^4 + 11x^3y - 3x^2y^2 + 7xy^3 + 3y^4$	-438		
$-3x^4 - 5x^3y + 6x^2y^2 + 26xy^3 + 24y^4$	-438		
$-3x^4 - x^3y - 2xy^3 + 12y^4$	-438		
$-3x^4 + x^3y + 2xy^3 + 12y^4$	-438		
$-3x^4 + 5x^3y + 6x^2y^2 - 26xy^3 + 24y^4$	-438		
$3x^4 - 5x^3y - 6x^2y^2 + 26xy^3 - 24y^4$	-438		
$3x^4 - x^3y - 2xy^3 - 12y^4$	-438		
$3x^4 + x^3y + 2xy^3 - 12y^4$	-438		
$3x^4 + 5x^3y - 6x^2y^2 - 26xy^3 - 24y^4$	-438		
$6x^4 - 11x^3y + 3x^2y^2 - 7xy^3 - 3y^4$	-438		
$6x^4 + 11x^3y + 3x^2y^2 + 7xy^3 - 3y^4$	-438		
$-8x^4 - 14x^3y - 9x^2y^2 - xy^3 + 5y^4$	-441		
$-8x^4 + 14x^3y - 9x^2y^2 + xy^3 + 5y^4$	-441		
$-5x^4 - x^3y + 9x^2y^2 - 14xy^3 + 8y^4$	-441		
$-5x^4 + x^3y + 9x^2y^2 + 14xy^3 + 8y^4$	-441		
$-3x^4 - 5x^3y + 18x^2y^2 + 57xy^3 + 45y^4$	-441		
$-3x^4 + 5x^3y + 18x^2y^2 - 57xy^3 + 45y^4$	-441		
$-2x^4 - x^3y - 3xy^3 + 18y^4$	-441		
$-2x^4 + x^3y + 3xy^3 + 18y^4$	-441		
$2x^4 - x^3y - 3xy^3 - 18y^4$	-441		
$2x^4 + x^3y + 3xy^3 - 18y^4$	-441		
$3x^4 - 5x^3y - 18x^2y^2 + 57xy^3 - 45y^4$	-441		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$3x^4 + 5x^3y - 18x^2y^2 - 57xy^3 - 45y^4$	-441		
$5x^4 - x^3y - 9x^2y^2 - 14xy^3 - 8y^4$	-441		
$5x^4 + x^3y - 9x^2y^2 + 14xy^3 - 8y^4$	-441		
$8x^4 - 14x^3y + 9x^2y^2 - xy^3 - 5y^4$	-441		
$8x^4 + 14x^3y + 9x^2y^2 + xy^3 - 5y^4$	-441		
$-4x^4 + 8x^3y - 6x^2y^2 + 2xy^3 + 9y^4$	-444		
$-x^4 + 37y^4$	-444		(1, 0)
$-x^4 + 54x^2y^2 - 228xy^3 + 280y^4$	-444	(3, 1)	(1, 0)
$-x^4 + 54x^2y^2 + 228xy^3 + 280y^4$	-444	(3, -1)	(1, 0)
$x^4 - 54x^2y^2 - 228xy^3 - 280y^4$	-444	(1, 0)	(3, -1)
$x^4 - 54x^2y^2 + 228xy^3 - 280y^4$	-444	(1, 0)	(3, 1)
$x^4 - 37y^4$	-444	(1, 0)	
$4x^4 + 8x^3y + 6x^2y^2 + 2xy^3 - 9y^4$	-444		
$-5x^4 - 7x^3y - 7xy^3 + 5y^4$	-447		
$-5x^4 + 7x^3y + 7xy^3 + 5y^4$	-447		
$5x^4 - 7x^3y - 7xy^3 - 5y^4$	-447		
$5x^4 + 7x^3y + 7xy^3 - 5y^4$	-447		
$-6x^4 - 11x^3y - 6x^2y^2 - 6xy^3 + 4y^4$	-450		
$-6x^4 + 11x^3y - 6x^2y^2 + 6xy^3 + 4y^4$	-450		
$-4x^4 - 6x^3y + 6x^2y^2 - 11xy^3 + 6y^4$	-450		
$-4x^4 - 2x^3y - 3xy^3 + 9y^4$	-450		
$-4x^4 + 2x^3y + 3xy^3 + 9y^4$	-450		
$-4x^4 + 6x^3y + 6x^2y^2 + 11xy^3 + 6y^4$	-450		
$-x^4 - x^3y - 6xy^3 + 36y^4$	-450		(1, 0)
$-x^4 - x^3y + 9x^2y^2 + 39xy^3 + 54y^4$	-450		(1, 0)
$-x^4 + x^3y + 6xy^3 + 36y^4$	-450		(1, 0)
$-x^4 + x^3y + 9x^2y^2 - 39xy^3 + 54y^4$	-450		(1, 0)
$x^4 - x^3y - 9x^2y^2 + 39xy^3 - 54y^4$	-450	(1, 0)	
$x^4 - x^3y - 6xy^3 - 36y^4$	-450	(1, 0)	
$x^4 + x^3y - 9x^2y^2 - 39xy^3 - 54y^4$	-450	(1, 0)	
$x^4 + x^3y + 6xy^3 - 36y^4$	-450	(1, 0)	
$4x^4 - 6x^3y - 6x^2y^2 - 11xy^3 - 6y^4$	-450		
$4x^4 - 2x^3y - 3xy^3 - 9y^4$	-450		
$4x^4 + 2x^3y + 3xy^3 - 9y^4$	-450		
$4x^4 + 6x^3y - 6x^2y^2 + 11xy^3 - 6y^4$	-450		
$6x^4 - 11x^3y + 6x^2y^2 - 6xy^3 - 4y^4$	-450		
$6x^4 + 11x^3y + 6x^2y^2 + 6xy^3 - 4y^4$	-450		
$-3x^4 - 2x^3y - 4xy^3 + 12y^4$	-456		
$-3x^4 + 2x^3y + 4xy^3 + 12y^4$	-456		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-2x^4 + 19y^4$	-456	(1, 0)	(1, 0)
$-x^4 + 38y^4$	-456		
$x^4 - 38y^4$	-456		
$2x^4 - 19y^4$	-456		
$3x^4 - 2x^3y - 4xy^3 - 12y^4$	-456		
$3x^4 + 2x^3y + 4xy^3 - 12y^4$	-456		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 19y^4$	-459		
$-x^4 - x^3y + 57x^2y^2 - 220xy^3 + 254y^4$	-459		
$-x^4 + x^3y + 57x^2y^2 + 220xy^3 + 254y^4$	-459		
$x^4 - x^3y - 57x^2y^2 - 220xy^3 - 254y^4$	-459		
$x^4 + x^3y - 57x^2y^2 + 220xy^3 - 254y^4$	-459	(3, -1) (1, 0)	(3, -1) (1, 0)
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 19y^4$	-459	(3, 1) (1, 0)	
$-3x^4 - x^3y + 3x^2y^2 + 11xy^3 + 14y^4$	-462	(1, 0)	(1, 0)
$-3x^4 + x^3y + 3x^2y^2 - 11xy^3 + 14y^4$	-462		
$-x^4 - x^3y + 30x^2y^2 + 122xy^3 + 144y^4$	-462		
$-x^4 + x^3y + 30x^2y^2 - 122xy^3 + 144y^4$	-462		
$x^4 - x^3y - 30x^2y^2 + 122xy^3 - 144y^4$	-462		
$x^4 + x^3y - 30x^2y^2 - 122xy^3 - 144y^4$	-462		
$3x^4 - x^3y - 3x^2y^2 + 11xy^3 - 14y^4$	-462		
$3x^4 + x^3y - 3x^2y^2 - 11xy^3 - 14y^4$	-462		
$-7x^4 - 3x^3y + 6x^2y^2 - 9xy^3 + 5y^4$	-465		
$-7x^4 + 3x^3y + 6x^2y^2 + 9xy^3 + 5y^4$	-465		
$-5x^4 - 9x^3y - 6x^2y^2 - 3xy^3 + 7y^4$	-465	(1, 0)	(1, 0)
$-5x^4 + 9x^3y - 6x^2y^2 + 3xy^3 + 7y^4$	-465		
$-2x^4 - x^3y + 9x^2y^2 - 22xy^3 + 20y^4$	-465		
$-2x^4 + x^3y + 9x^2y^2 + 22xy^3 + 20y^4$	-465		
$2x^4 - x^3y - 9x^2y^2 - 22xy^3 - 20y^4$	-465		
$2x^4 + x^3y - 9x^2y^2 + 22xy^3 - 20y^4$	-465		
$5x^4 - 9x^3y + 6x^2y^2 - 3xy^3 - 7y^4$	-465		
$5x^4 + 9x^3y + 6x^2y^2 + 3xy^3 - 7y^4$	-465		
$7x^4 - 3x^3y - 6x^2y^2 - 9xy^3 - 5y^4$	-465		
$7x^4 + 3x^3y - 6x^2y^2 + 9xy^3 - 5y^4$	-465		
$-4x^4 - 4x^3y + 18x^2y^2 + 42xy^3 + 27y^4$	-468	(1, 0)	(1, 0)
$-4x^4 + 4x^3y + 18x^2y^2 - 42xy^3 + 27y^4$	-468		
$-3x^4 - 2x^3y + 6x^2y^2 + 18xy^3 + 17y^4$	-468		
$-3x^4 + 13y^4$	-468		
$-3x^4 + 2x^3y + 6x^2y^2 - 18xy^3 + 17y^4$	-468		
$-2x^4 - 3x^3y + 3x^2y^2 - 13xy^3 + 15y^4$	-468		
$-2x^4 + 3x^3y + 3x^2y^2 + 13xy^3 + 15y^4$	-468		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-2x^4 + 4x^3y + 6x^2y^2 - 32xy^3 + 37y^4$	-468		
$-2x^4 + 4x^3y + 6x^2y^2 + 16xy^3 + 13y^4$	-468		
$-x^4 + 39y^4$	-468		$(5, 2) (5, -2) (1, 0)$
$-x^4 + 18x^2y^2 - 60xy^3 + 66y^4$	-468		$(1, 0)$
$-x^4 + 18x^2y^2 + 60xy^3 + 66y^4$	-468		$(1, 0)$
$-x^4 + 2x^3y + 18x^2y^2 - 84xy^3 + 108y^4$	-468		$(1, 0)$
$-x^4 + 2x^3y + 18x^2y^2 + 46xy^3 + 43y^4$	-468		$(1, 0)$
$x^4 - 18x^2y^2 - 60xy^3 - 66y^4$	-468	$(1, 0)$	
$x^4 - 18x^2y^2 + 60xy^3 - 66y^4$	-468	$(1, 0)$	
$x^4 - 39y^4$	-468	$(5, 2) (5, -2) (1, 0)$	
$x^4 + 2x^3y - 18x^2y^2 - 84xy^3 - 108y^4$	-468	$(1, 0)$	
$x^4 + 2x^3y - 18x^2y^2 + 46xy^3 - 43y^4$	-468	$(1, 0)$	
$2x^4 - 3x^3y - 3x^2y^2 - 13xy^3 - 15y^4$	-468		
$2x^4 + 3x^3y - 3x^2y^2 + 13xy^3 - 15y^4$	-468		
$2x^4 + 4x^3y - 6x^2y^2 - 32xy^3 - 37y^4$	-468		
$2x^4 + 4x^3y - 6x^2y^2 + 16xy^3 - 13y^4$	-468		
$3x^4 - 2x^3y - 6x^2y^2 + 18xy^3 - 17y^4$	-468		
$3x^4 - 13y^4$	-468		
$3x^4 + 2x^3y - 6x^2y^2 - 18xy^3 - 17y^4$	-468		
$4x^4 - 4x^3y - 18x^2y^2 + 42xy^3 - 27y^4$	-468		
$4x^4 + 4x^3y - 18x^2y^2 - 42xy^3 - 27y^4$	-468		
$-3x^4 - x^3y + 15x^2y^2 + 32xy^3 + 22y^4$	-471		
$-3x^4 + x^3y + 15x^2y^2 - 32xy^3 + 22y^4$	-471		
$3x^4 - x^3y - 15x^2y^2 + 32xy^3 - 22y^4$	-471		
$3x^4 + x^3y - 15x^2y^2 - 32xy^3 - 22y^4$	-471		
$-5x^4 - 9x^3y + 3x^2y^2 - 9xy^3 + 4y^4$	-474		
$-5x^4 + 9x^3y + 3x^2y^2 + 9xy^3 + 4y^4$	-474		
$-4x^4 - 7x^3y + 14xy^3 + 16y^4$	-474		
$-4x^4 + 7x^3y - 14xy^3 + 16y^4$	-474		
$4x^4 - 7x^3y + 14xy^3 - 16y^4$	-474		
$4x^4 + 7x^3y - 14xy^3 - 16y^4$	-474		
$5x^4 - 9x^3y - 3x^2y^2 - 9xy^3 - 4y^4$	-474		
$5x^4 + 9x^3y - 3x^2y^2 + 9xy^3 - 4y^4$	-474		
$-8x^4 + 5y^4$	-480		
$-7x^4 - 6x^3y + 6xy^3 + 7y^4$	-480		
$-7x^4 + 6x^3y - 6xy^3 + 7y^4$	-480		
$-5x^4 + 8y^4$	-480		
$-x^4 + 40y^4$	-480		$(1, 0)$
$x^4 - 40y^4$	-480	$(1, 0)$	

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$5x^4 - 8y^4$	-480		
$7x^4 - 6x^3y + 6xy^3 - 7y^4$	-480		
$7x^4 + 6x^3y - 6xy^3 - 7y^4$	-480		
$8x^4 - 5y^4$	-480		
$-2x^4 - x^3y + 30x^2y^2 + 83xy^3 + 68y^4$	-483		
$-2x^4 + x^3y + 30x^2y^2 - 83xy^3 + 68y^4$	-483		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 20y^4$	-483		
$-2x^4 + 4x^3y + 9x^2y^2 - 41xy^3 + 44y^4$	-483		
$-2x^4 + 4x^3y + 9x^2y^2 + 19xy^3 + 14y^4$	-483		
$2x^4 - x^3y - 30x^2y^2 + 83xy^3 - 68y^4$	-483		
$2x^4 + x^3y - 30x^2y^2 - 83xy^3 - 68y^4$	-483		
$2x^4 + 4x^3y - 9x^2y^2 - 41xy^3 - 44y^4$	-483		
$2x^4 + 4x^3y - 9x^2y^2 + 19xy^3 - 14y^4$	-483		
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 20y^4$	-483		
$-2x^4 - x^3y + 9x^2y^2 + 27xy^3 + 27y^4$	-486		
$-2x^4 + x^3y + 9x^2y^2 - 27xy^3 + 27y^4$	-486		
$2x^4 - x^3y - 9x^2y^2 + 27xy^3 - 27y^4$	-486		
$2x^4 + x^3y - 9x^2y^2 - 27xy^3 - 27y^4$	-486		
$-5x^4 - 8x^3y - 8xy^3 + 5y^4$	-492		
$-5x^4 + 8x^3y + 8xy^3 + 5y^4$	-492		
$-x^4 - x^3y + 9x^2y^2 - 31xy^3 + 40y^4$	-492		(1, 0)
$-x^4 + 41y^4$	-492		(1, 0)
$-x^4 + x^3y + 9x^2y^2 + 31xy^3 + 40y^4$	-492		(1, 0)
$x^4 - x^3y - 9x^2y^2 - 31xy^3 - 40y^4$	-492	(1, 0)	
$x^4 - 41y^4$	-492	(1, 0)	
$x^4 + x^3y - 9x^2y^2 + 31xy^3 - 40y^4$	-492	(1, 0)	
$5x^4 - 8x^3y - 8xy^3 - 5y^4$	-492		
$5x^4 + 8x^3y + 8xy^3 - 5y^4$	-492		
$-2x^4 + 3x^2y^2 - 13xy^3 + 21y^4$	-495		
$-2x^4 + 3x^2y^2 + 13xy^3 + 21y^4$	-495		
$-x^4 - x^3y + 18x^2y^2 - 53xy^3 + 55y^4$	-495		(1, 0)
$-x^4 + x^3y + 18x^2y^2 + 53xy^3 + 55y^4$	-495		(1, 0)
$x^4 - x^3y - 18x^2y^2 - 53xy^3 - 55y^4$	-495	(1, 0)	
$x^4 + x^3y - 18x^2y^2 + 53xy^3 - 55y^4$	-495	(1, 0)	
$2x^4 - 3x^2y^2 - 13xy^3 - 21y^4$	-495		
$2x^4 - 3x^2y^2 + 13xy^3 - 21y^4$	-495		
$-7x^4 + 6y^4$	-504		(1, 1) (1, -1)
$-6x^4 + 7y^4$	-504	(1, 1) (1, -1)	
$-4x^4 - 4x^3y - 6xy^3 + 9y^4$	-504		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-4x^4 + 4x^3y + 6xy^3 + 9y^4$	-504		
$-3x^4 + 14y^4$	-504		
$-2x^4 + 21y^4$	-504		
$-x^4 + 42y^4$	-504		(1, 0)
$-x^4 + 2x^3y - 14xy^3 + 49y^4$	-504		(1, 0)
$-x^4 + 2x^3y + 12xy^3 + 36y^4$	-504		(1, 0)
$x^4 - 42y^4$	-504	(1, 0)	
$x^4 + 2x^3y - 14xy^3 - 49y^4$	-504	(1, 0)	
$x^4 + 2x^3y + 12xy^3 - 36y^4$	-504	(1, 0)	
$2x^4 - 21y^4$	-504		
$3x^4 - 14y^4$	-504		
$4x^4 - 4x^3y - 6xy^3 - 9y^4$	-504		
$4x^4 + 4x^3y + 6xy^3 - 9y^4$	-504		
$6x^4 - 7y^4$	-504		(1, 1) (1, -1)
$7x^4 - 6y^4$	-504	(1, 1) (1, -1)	
$-6x^4 - 5x^3y - 5xy^3 + 6y^4$	-507		
$-6x^4 + 5x^3y + 5xy^3 + 6y^4$	-507		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 21y^4$	-507		
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 21y^4$	-507		
$6x^4 - 5x^3y - 5xy^3 - 6y^4$	-507		
$6x^4 + 5x^3y + 5xy^3 - 6y^4$	-507		
$-8x^4 - 10x^3y - 3x^2y^2 + 5xy^3 + 7y^4$	-513	(1, -1)	
$-8x^4 + 10x^3y - 3x^2y^2 - 5xy^3 + 7y^4$	-513	(1, 1)	
$-7x^4 - 5x^3y + 5xy^3 + 7y^4$	-513		
$-7x^4 - 5x^3y + 3x^2y^2 + 10xy^3 + 8y^4$	-513		(1, -1)
$-7x^4 + 5x^3y - 5xy^3 + 7y^4$	-513		
$-7x^4 + 5x^3y + 3x^2y^2 - 10xy^3 + 8y^4$	-513		(1, 1)
$-2x^4 - 3x^3y - 9xy^3 + 18y^4$	-513		
$-2x^4 + 3x^3y + 9xy^3 + 18y^4$	-513		
$-x^4 - x^3y + 84x^2y^2 - 391xy^3 + 533y^4$	-513		(1, 0)
$-x^4 + x^3y + 84x^2y^2 + 391xy^3 + 533y^4$	-513		(1, 0)
$x^4 - x^3y - 84x^2y^2 - 391xy^3 - 533y^4$	-513	(1, 0)	
$x^4 + x^3y - 84x^2y^2 + 391xy^3 - 533y^4$	-513	(1, 0)	
$2x^4 - 3x^3y - 9xy^3 - 18y^4$	-513		
$2x^4 + 3x^3y + 9xy^3 - 18y^4$	-513		
$7x^4 - 5x^3y - 3x^2y^2 + 10xy^3 - 8y^4$	-513	(1, 1)	
$7x^4 - 5x^3y + 5xy^3 - 7y^4$	-513		
$7x^4 + 5x^3y - 3x^2y^2 - 10xy^3 - 8y^4$	-513	(1, -1)	
$7x^4 + 5x^3y - 5xy^3 - 7y^4$	-513		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$8x^4 - 10x^3y + 3x^2y^2 + 5xy^3 - 7y^4$	-513		(1, 1)
$8x^4 + 10x^3y + 3x^2y^2 - 5xy^3 - 7y^4$	-513		(1, -1)
$-x^4 + 43y^4$	-516		(1, 0)
$x^4 - 43y^4$	-516	(1, 0)	
$-x^4 - x^3y + 63x^2y^2 - 256xy^3 + 310y^4$	-519	(3, 1)	(1, 0)
$-x^4 + x^3y + 63x^2y^2 + 256xy^3 + 310y^4$	-519	(3, -1)	(1, 0)
$x^4 - x^3y - 63x^2y^2 - 256xy^3 - 310y^4$	-519	(1, 0)	(3, -1)
$x^4 + x^3y - 63x^2y^2 + 256xy^3 - 310y^4$	-519	(1, 0)	(3, 1)
$-8x^4 - 9x^3y + 9xy^3 + 8y^4$	-525		
$-8x^4 + 9x^3y - 9xy^3 + 8y^4$	-525		
$8x^4 - 9x^3y + 9xy^3 - 8y^4$	-525		
$8x^4 + 9x^3y - 9xy^3 - 8y^4$	-525		
$-8x^4 + 16x^3y - 12x^2y^2 + 4xy^3 + 5y^4$	-528		
$-5x^4 - 4x^3y + 12x^2y^2 - 16xy^3 + 8y^4$	-528		
$-5x^4 + 4x^3y + 12x^2y^2 + 16xy^3 + 8y^4$	-528		
$-4x^4 + 11y^4$	-528		
$-3x^4 - 4x^3y - 8xy^3 + 12y^4$	-528		
$-3x^4 - 2x^3y + 12x^2y^2 - 22xy^3 + 15y^4$	-528		
$-3x^4 + 2x^3y + 12x^2y^2 + 22xy^3 + 15y^4$	-528		
$-3x^4 + 4x^3y + 8xy^3 + 12y^4$	-528		
$-x^4 + 44y^4$	-528		(1, 0)
$x^4 - 44y^4$	-528	(1, 0)	
$3x^4 - 4x^3y - 8xy^3 - 12y^4$	-528		
$3x^4 - 2x^3y - 12x^2y^2 - 22xy^3 - 15y^4$	-528		
$3x^4 + 2x^3y - 12x^2y^2 + 22xy^3 - 15y^4$	-528		
$3x^4 + 4x^3y + 8xy^3 - 12y^4$	-528		
$4x^4 - 11y^4$	-528		
$5x^4 - 4x^3y - 12x^2y^2 - 16xy^3 - 8y^4$	-528		
$5x^4 + 4x^3y - 12x^2y^2 + 16xy^3 - 8y^4$	-528		
$8x^4 + 16x^3y + 12x^2y^2 + 4xy^3 - 5y^4$	-528		
$-7x^4 - 3x^3y + 9x^2y^2 - 12xy^3 + 6y^4$	-531		
$-7x^4 + 3x^3y + 9x^2y^2 + 12xy^3 + 6y^4$	-531		
$-6x^4 + 12x^3y - 9x^2y^2 + 3xy^3 + 7y^4$	-531		
$-3x^4 - 5x^3y + 3x^2y^2 - 12xy^3 + 10y^4$	-531		
$-3x^4 + 5x^3y + 3x^2y^2 + 12xy^3 + 10y^4$	-531		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 22y^4$	-531		
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 22y^4$	-531		
$3x^4 - 5x^3y - 3x^2y^2 - 12xy^3 - 10y^4$	-531		
$3x^4 + 5x^3y - 3x^2y^2 + 12xy^3 - 10y^4$	-531		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$6x^4 + 12x^3y + 9x^2y^2 + 3xy^3 - 7y^4$	-531		
$7x^4 - 3x^3y - 9x^2y^2 - 12xy^3 - 6y^4$	-531		
$7x^4 + 3x^3y - 9x^2y^2 + 12xy^3 - 6y^4$	-531		
$-x^4 - x^3y + 30x^2y^2 - 94xy^3 + 96y^4$	-534		(1, 0)
$-x^4 - x^3y + 33x^2y^2 + 139xy^3 + 170y^4$	-534		(1, 0)
$-x^4 + x^3y + 30x^2y^2 + 94xy^3 + 96y^4$	-534		(1, 0)
$-x^4 + x^3y + 33x^2y^2 - 139xy^3 + 170y^4$	-534		(1, 0)
$x^4 - x^3y - 33x^2y^2 + 139xy^3 - 170y^4$	-534	(1, 0)	
$x^4 - x^3y - 30x^2y^2 - 94xy^3 - 96y^4$	-534	(1, 0)	
$x^4 + x^3y - 33x^2y^2 - 139xy^3 - 170y^4$	-534	(1, 0)	
$x^4 + x^3y - 30x^2y^2 + 94xy^3 - 96y^4$	-534	(1, 0)	
$-7x^4 - 4x^3y + 4xy^3 + 7y^4$	-540		
$-7x^4 + 4x^3y - 4xy^3 + 7y^4$	-540		
$-5x^4 + 9y^4$	-540		
$-4x^4 + 8x^3y - 6x^2y^2 + 2xy^3 + 11y^4$	-540		
$-3x^4 - 5x^3y - 3x^2y^2 - 3xy^3 + 14y^4$	-540		
$-3x^4 + 5x^3y - 3x^2y^2 + 3xy^3 + 14y^4$	-540		
$-x^4 + 45y^4$	-540		(1, 0)
$-x^4 + 6x^2y^2 - 28xy^3 + 48y^4$	-540		(1, 0)
$-x^4 + 6x^2y^2 + 28xy^3 + 48y^4$	-540		(1, 0)
$-x^4 + 2x^3y + 66x^2y^2 - 382xy^3 + 599y^4$	-540		(4, 1) (1, 0)
$-x^4 + 2x^3y + 66x^2y^2 + 248xy^3 + 284y^4$	-540		(3, -1) (1, 0)
$x^4 - 6x^2y^2 - 28xy^3 - 48y^4$	-540	(1, 0)	
$x^4 - 6x^2y^2 + 28xy^3 - 48y^4$	-540	(1, 0)	
$x^4 - 45y^4$	-540	(1, 0)	
$x^4 + 2x^3y - 66x^2y^2 - 382xy^3 - 599y^4$	-540	(4, -1) (1, 0)	
$x^4 + 2x^3y - 66x^2y^2 + 248xy^3 - 284y^4$	-540	(3, 1) (1, 0)	
$3x^4 - 5x^3y + 3x^2y^2 - 3xy^3 - 14y^4$	-540		
$3x^4 + 5x^3y + 3x^2y^2 + 3xy^3 - 14y^4$	-540		
$4x^4 + 8x^3y + 6x^2y^2 + 2xy^3 - 11y^4$	-540		
$5x^4 - 9y^4$	-540		
$7x^4 - 4x^3y + 4xy^3 - 7y^4$	-540		
$7x^4 + 4x^3y - 4xy^3 - 7y^4$	-540		
$-5x^4 - 9x^3y - 9xy^3 + 5y^4$	-543		
$-5x^4 + 9x^3y + 9xy^3 + 5y^4$	-543		
$5x^4 - 9x^3y - 9xy^3 - 5y^4$	-543		
$5x^4 + 9x^3y + 9xy^3 - 5y^4$	-543		
$-9x^4 - 17x^3y - 12x^2y^2 - 3xy^3 + 5y^4$	-549		
$-9x^4 + 17x^3y - 12x^2y^2 + 3xy^3 + 5y^4$	-549		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-5x^4 - 3x^3y + 12x^2y^2 - 17xy^3 + 9y^4$	-549		
$-5x^4 + 3x^3y + 12x^2y^2 + 17xy^3 + 9y^4$	-549		
$-4x^4 - 6x^3y + 15x^2y^2 - 19xy^3 + 9y^4$	-549		
$-4x^4 + 6x^3y + 15x^2y^2 + 19xy^3 + 9y^4$	-549		
$-x^4 - x^3y + 18x^2y^2 + 73xy^3 + 91y^4$	-549		(1, 0)
$-x^4 + x^3y + 18x^2y^2 - 73xy^3 + 91y^4$	-549		(1, 0)
$x^4 - x^3y - 18x^2y^2 + 73xy^3 - 91y^4$	-549	(1, 0)	
$x^4 + x^3y - 18x^2y^2 - 73xy^3 - 91y^4$	-549	(1, 0)	
$4x^4 - 6x^3y - 15x^2y^2 - 19xy^3 - 9y^4$	-549		
$4x^4 + 6x^3y - 15x^2y^2 + 19xy^3 - 9y^4$	-549		
$5x^4 - 3x^3y - 12x^2y^2 - 17xy^3 - 9y^4$	-549		
$5x^4 + 3x^3y - 12x^2y^2 + 17xy^3 - 9y^4$	-549		
$9x^4 - 17x^3y + 12x^2y^2 - 3xy^3 - 5y^4$	-549		
$9x^4 + 17x^3y + 12x^2y^2 + 3xy^3 - 5y^4$	-549		
$-2x^4 + 23y^4$	-552		
$-x^4 - x^3y + 3x^2y^2 - 19xy^3 + 42y^4$	-552		(1, 0)
$-x^4 + 46y^4$	-552		(1, 0)
$-x^4 + x^3y + 3x^2y^2 + 19xy^3 + 42y^4$	-552		(1, 0)
$x^4 - x^3y - 3x^2y^2 - 19xy^3 - 42y^4$	-552	(1, 0)	
$x^4 - 46y^4$	-552	(1, 0)	
$x^4 + x^3y - 3x^2y^2 + 19xy^3 - 42y^4$	-552	(1, 0)	
$2x^4 - 23y^4$	-552		
$-4x^4 - 5x^3y + 9x^2y^2 + 28xy^3 + 22y^4$	-555		
$-4x^4 - 5x^3y + 15x^2y^2 - 20xy^3 + 10y^4$	-555		
$-4x^4 + 5x^3y + 9x^2y^2 - 28xy^3 + 22y^4$	-555		
$-4x^4 + 5x^3y + 15x^2y^2 + 20xy^3 + 10y^4$	-555		
$-2x^4 - 3x^3y + 30x^2y^2 + 105xy^3 + 100y^4$	-555		
$-2x^4 + 3x^3y + 30x^2y^2 - 105xy^3 + 100y^4$	-555		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 23y^4$	-555		
$2x^4 - 3x^3y - 30x^2y^2 + 105xy^3 - 100y^4$	-555		
$2x^4 + 3x^3y - 30x^2y^2 - 105xy^3 - 100y^4$	-555		
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 23y^4$	-555		
$4x^4 - 5x^3y - 15x^2y^2 - 20xy^3 - 10y^4$	-555		
$4x^4 - 5x^3y - 9x^2y^2 + 28xy^3 - 22y^4$	-555		
$4x^4 + 5x^3y - 15x^2y^2 + 20xy^3 - 10y^4$	-555		
$4x^4 + 5x^3y - 9x^2y^2 - 28xy^3 - 22y^4$	-555		
$-7x^4 - 3x^3y + 3xy^3 + 7y^4$	-561		
$-7x^4 + 3x^3y - 3xy^3 + 7y^4$	-561		
$7x^4 - 3x^3y + 3xy^3 - 7y^4$	-561		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$7x^4 + 3x^3y - 3xy^3 - 7y^4$	-561	(1, 0)	(1, 0)
$-x^4 + 47y^4$	-564		
$x^4 - 47y^4$	-564		
$-x^4 - x^3y + 7xy^3 + 49y^4$	-567	(1, 0)	(1, 0)
$-x^4 + x^3y - 7xy^3 + 49y^4$	-567		(1, 0)
$x^4 - x^3y + 7xy^3 - 49y^4$	-567		
$x^4 + x^3y - 7xy^3 - 49y^4$	-567	(1, 0)	
$-7x^4 - 2x^3y + 2xy^3 + 7y^4$	-576	(1, 0)	(1, 0)
$-7x^4 + 2x^3y - 2xy^3 + 7y^4$	-576		
$-3x^4 + 16y^4$	-576		
$-x^4 + 48y^4$	-576		
$x^4 - 48y^4$	-576		
$3x^4 - 16y^4$	-576		
$7x^4 - 2x^3y + 2xy^3 - 7y^4$	-576		
$7x^4 + 2x^3y - 2xy^3 - 7y^4$	-576		
$-6x^4 - 7x^3y - 7xy^3 + 6y^4$	-579		
$-6x^4 + 7x^3y + 7xy^3 + 6y^4$	-579		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 24y^4$	-579	(1, 0)	(1, 0)
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 24y^4$	-579		
$6x^4 - 7x^3y - 7xy^3 - 6y^4$	-579		
$6x^4 + 7x^3y + 7xy^3 - 6y^4$	-579		
$-3x^4 - 5x^3y - 10xy^3 + 12y^4$	-582		
$-3x^4 + 5x^3y + 10xy^3 + 12y^4$	-582		
$-2x^4 - x^3y + 18x^2y^2 + 50xy^3 + 44y^4$	-582		
$-2x^4 + x^3y + 18x^2y^2 - 50xy^3 + 44y^4$	-582		
$2x^4 - x^3y - 18x^2y^2 + 50xy^3 - 44y^4$	-582		
$2x^4 + x^3y - 18x^2y^2 - 50xy^3 - 44y^4$	-582		
$3x^4 - 5x^3y - 10xy^3 - 12y^4$	-582	(1, 0)	(1, 0)
$3x^4 + 5x^3y + 10xy^3 - 12y^4$	-582		
$-7x^4 - x^3y + xy^3 + 7y^4$	-585		
$-7x^4 + x^3y - xy^3 + 7y^4$	-585		
$7x^4 - x^3y + xy^3 - 7y^4$	-585		
$7x^4 + x^3y - xy^3 - 7y^4$	-585		
$-3x^4 - x^3y + 6x^2y^2 - 16xy^3 + 16y^4$	-588		
$-3x^4 + x^3y + 6x^2y^2 + 16xy^3 + 16y^4$	-588		
$-x^4 + 49y^4$	-588		
$x^4 - 49y^4$	-588		
$3x^4 - x^3y - 6x^2y^2 - 16xy^3 - 16y^4$	-588	(1, 0)	(1, 0)
$3x^4 + x^3y - 6x^2y^2 + 16xy^3 - 16y^4$	-588		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-7x^4 - x^3y - xy^3 + 7y^4$	-591		
$-7x^4 + x^3y + xy^3 + 7y^4$	-591		
$7x^4 - x^3y - xy^3 - 7y^4$	-591		
$7x^4 + x^3y + xy^3 - 7y^4$	-591		
$-9x^4 - 9x^3y - 6xy^3 + 4y^4$	-594		
$-9x^4 + 9x^3y + 6xy^3 + 4y^4$	-594		
$-4x^4 - 6x^3y - 9xy^3 + 9y^4$	-594		
$-4x^4 + 6x^3y + 9xy^3 + 9y^4$	-594		
$-x^4 - x^3y + 3x^2y^2 + 23xy^3 + 56y^4$	-594		(1, 0)
$-x^4 + x^3y + 3x^2y^2 - 23xy^3 + 56y^4$	-594		(1, 0)
$x^4 - x^3y - 3x^2y^2 + 23xy^3 - 56y^4$	-594	(1, 0)	
$x^4 + x^3y - 3x^2y^2 - 23xy^3 - 56y^4$	-594	(1, 0)	
$4x^4 - 6x^3y - 9xy^3 - 9y^4$	-594		
$4x^4 + 6x^3y + 9xy^3 - 9y^4$	-594		
$9x^4 - 9x^3y - 6xy^3 - 4y^4$	-594		
$9x^4 + 9x^3y + 6xy^3 - 4y^4$	-594		
$-7x^4 - 2x^3y - 2xy^3 + 7y^4$	-600		
$-7x^4 + 2x^3y + 2xy^3 + 7y^4$	-600		
$-2x^4 + 25y^4$	-600		
$-x^4 + 50y^4$	-600		(1, 0)
$-x^4 + 2x^3y + 72x^2y^2 - 430xy^3 + 697y^4$	-600	(4, 1)	(1, 0)
$-x^4 + 2x^3y + 72x^2y^2 + 284xy^3 + 340y^4$	-600	(3, -1)	(1, 0)
$x^4 - 50y^4$	-600	(1, 0)	
$x^4 + 2x^3y - 72x^2y^2 - 430xy^3 - 697y^4$	-600	(1, 0)	(4, -1)
$x^4 + 2x^3y - 72x^2y^2 + 284xy^3 - 340y^4$	-600	(1, 0)	(3, 1)
$2x^4 - 25y^4$	-600		
$7x^4 - 2x^3y - 2xy^3 - 7y^4$	-600		
$7x^4 + 2x^3y + 2xy^3 - 7y^4$	-600		
$-9x^4 - 13x^3y - 6x^2y^2 + 3xy^3 + 7y^4$	-603		
$-9x^4 + 13x^3y - 6x^2y^2 - 3xy^3 + 7y^4$	-603		
$-8x^4 - 3x^3y + 9x^2y^2 - 12xy^3 + 6y^4$	-603		
$-8x^4 + 3x^3y + 9x^2y^2 + 12xy^3 + 6y^4$	-603		
$-7x^4 - 3x^3y + 6x^2y^2 + 13xy^3 + 9y^4$	-603		
$-7x^4 + 3x^3y + 6x^2y^2 - 13xy^3 + 9y^4$	-603		
$-6x^4 + 12x^3y - 9x^2y^2 + 3xy^3 + 8y^4$	-603		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 25y^4$	-603		
$-2x^4 + 4x^3y + 45x^2y^2 - 187xy^3 + 203y^4$	-603		
$-2x^4 + 4x^3y + 45x^2y^2 + 93xy^3 + 63y^4$	-603		
$2x^4 + 4x^3y - 45x^2y^2 - 187xy^3 - 203y^4$	-603		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$2x^4 + 4x^3y - 45x^2y^2 + 93xy^3 - 63y^4$	-603		
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 25y^4$	-603		
$6x^4 + 12x^3y + 9x^2y^2 + 3xy^3 - 8y^4$	-603		
$7x^4 - 3x^3y - 6x^2y^2 + 13xy^3 - 9y^4$	-603		
$7x^4 + 3x^3y - 6x^2y^2 - 13xy^3 - 9y^4$	-603		
$8x^4 - 3x^3y - 9x^2y^2 - 12xy^3 - 6y^4$	-603		
$8x^4 + 3x^3y - 9x^2y^2 + 12xy^3 - 6y^4$	-603		
$9x^4 - 13x^3y + 6x^2y^2 + 3xy^3 - 7y^4$	-603		
$9x^4 + 13x^3y + 6x^2y^2 - 3xy^3 - 7y^4$	-603		
$-9x^4 - 11x^3y + 11xy^3 + 9y^4$	-609		
$-9x^4 + 11x^3y - 11xy^3 + 9y^4$	-609		
$-4x^4 - 6x^3y - 3x^2y^2 + 3xy^3 + 14y^4$	-609		
$-4x^4 + 6x^3y - 3x^2y^2 - 3xy^3 + 14y^4$	-609		
$-x^4 - x^3y - 7xy^3 + 49y^4$	-609		(1, 0)
$-x^4 + x^3y + 7xy^3 + 49y^4$	-609		(1, 0)
$x^4 - x^3y - 7xy^3 - 49y^4$	-609	(1, 0)	
$x^4 + x^3y + 7xy^3 - 49y^4$	-609	(1, 0)	
$4x^4 - 6x^3y + 3x^2y^2 + 3xy^3 - 14y^4$	-609		
$4x^4 + 6x^3y + 3x^2y^2 - 3xy^3 - 14y^4$	-609		
$9x^4 - 11x^3y + 11xy^3 - 9y^4$	-609		
$9x^4 + 11x^3y - 11xy^3 - 9y^4$	-609		
$-3x^4 + 17y^4$	-612		
$-x^4 + 51y^4$	-612		(1, 0)
$x^4 - 51y^4$	-612	(1, 0)	
$3x^4 - 17y^4$	-612		
$-7x^4 - 5x^3y + 3x^2y^2 - 8xy^3 + 6y^4$	-615		
$-7x^4 - 3x^3y - 3xy^3 + 7y^4$	-615		
$-7x^4 + 3x^3y + 3xy^3 + 7y^4$	-615		
$-7x^4 + 5x^3y + 3x^2y^2 + 8xy^3 + 6y^4$	-615		
$-6x^4 - 8x^3y - 3x^2y^2 - 5xy^3 + 7y^4$	-615		
$-6x^4 + 8x^3y - 3x^2y^2 + 5xy^3 + 7y^4$	-615		
$-3x^4 - x^3y + 21x^2y^2 - 40xy^3 + 26y^4$	-615		
$-3x^4 + x^3y + 21x^2y^2 + 40xy^3 + 26y^4$	-615		
$-2x^4 - 3x^3y + 6x^2y^2 - 19xy^3 + 20y^4$	-615		
$-2x^4 + 27x^2y^2 - 69xy^3 + 56y^4$	-615		
$-2x^4 + 27x^2y^2 + 69xy^3 + 56y^4$	-615		
$-2x^4 + 3x^3y + 6x^2y^2 + 19xy^3 + 20y^4$	-615		
$-x^4 - x^3y + 15x^2y^2 + 64xy^3 + 86y^4$	-615		(1, 0)
$-x^4 + x^3y + 15x^2y^2 - 64xy^3 + 86y^4$	-615		(1, 0)

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$x^4 - x^3y - 15x^2y^2 + 64xy^3 - 86y^4$	-615	(1, 0)	
$x^4 + x^3y - 15x^2y^2 - 64xy^3 - 86y^4$	-615	(1, 0)	
$2x^4 - 3x^3y - 6x^2y^2 - 19xy^3 - 20y^4$	-615		
$2x^4 - 27x^2y^2 - 69xy^3 - 56y^4$	-615		
$2x^4 - 27x^2y^2 + 69xy^3 - 56y^4$	-615		
$2x^4 + 3x^3y - 6x^2y^2 + 19xy^3 - 20y^4$	-615		
$3x^4 - x^3y - 21x^2y^2 - 40xy^3 - 26y^4$	-615		
$3x^4 + x^3y - 21x^2y^2 + 40xy^3 - 26y^4$	-615		
$6x^4 - 8x^3y + 3x^2y^2 - 5xy^3 - 7y^4$	-615		
$6x^4 + 8x^3y + 3x^2y^2 + 5xy^3 - 7y^4$	-615		
$7x^4 - 5x^3y - 3x^2y^2 - 8xy^3 - 6y^4$	-615		
$7x^4 - 3x^3y - 3xy^3 - 7y^4$	-615		
$7x^4 + 3x^3y + 3xy^3 - 7y^4$	-615		
$7x^4 + 5x^3y - 3x^2y^2 + 8xy^3 - 6y^4$	-615		
$-4x^4 - 5x^3y + 10xy^3 + 16y^4$	-618		
$-4x^4 + 5x^3y - 10xy^3 + 16y^4$	-618		
$4x^4 - 5x^3y + 10xy^3 - 16y^4$	-618		
$4x^4 + 5x^3y - 10xy^3 - 16y^4$	-618		
$-8x^4 - 7x^3y + 7xy^3 + 8y^4$	-621		
$-8x^4 + 7x^3y - 7xy^3 + 8y^4$	-621		
$-2x^4 - 3x^3y + 21x^2y^2 + 74xy^3 + 72y^4$	-621		
$-2x^4 + 3x^3y + 21x^2y^2 - 74xy^3 + 72y^4$	-621		
$2x^4 - 3x^3y - 21x^2y^2 + 74xy^3 - 72y^4$	-621		
$2x^4 + 3x^3y - 21x^2y^2 - 74xy^3 - 72y^4$	-621		
$8x^4 - 7x^3y + 7xy^3 - 8y^4$	-621		
$8x^4 + 7x^3y - 7xy^3 - 8y^4$	-621		
$-4x^4 + 13y^4$	-624		
$-x^4 + 52y^4$	-624		(1, 0)
$-x^4 + 2x^3y + 12x^2y^2 - 64xy^3 + 96y^4$	-624		(1, 0)
$-x^4 + 2x^3y + 12x^2y^2 + 38xy^3 + 45y^4$	-624		(1, 0)
$x^4 - 52y^4$	-624	(1, 0)	
$x^4 + 2x^3y - 12x^2y^2 - 64xy^3 - 96y^4$	-624	(1, 0)	
$x^4 + 2x^3y - 12x^2y^2 + 38xy^3 - 45y^4$	-624	(1, 0)	
$4x^4 - 13y^4$	-624		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 26y^4$	-627		
$-x^4 - x^3y + 9x^2y^2 + 44xy^3 + 70y^4$	-627		(1, 0)
$-x^4 - x^3y + 78x^2y^2 + 431xy^3 + 667y^4$	-627		(4, -1) (1, 0)
$-x^4 + x^3y + 9x^2y^2 - 44xy^3 + 70y^4$	-627		(1, 0)
$-x^4 + x^3y + 78x^2y^2 - 431xy^3 + 667y^4$	-627		(4, 1) (1, 0)

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$x^4 - x^3y - 78x^2y^2 + 431xy^3 - 667y^4$	-627	(4, 1) (1, 0)	
$x^4 - x^3y - 9x^2y^2 + 44xy^3 - 70y^4$	-627	(1, 0)	
$x^4 + x^3y - 78x^2y^2 - 431xy^3 - 667y^4$	-627	(4, -1) (1, 0)	
$x^4 + x^3y - 9x^2y^2 - 44xy^3 - 70y^4$	-627	(1, 0)	
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 26y^4$	-627		
$-7x^4 - 4x^3y - 4xy^3 + 7y^4$	-636		
$-7x^4 + 4x^3y + 4xy^3 + 7y^4$	-636		
$-4x^4 + 8x^3y - 6x^2y^2 + 2xy^3 + 13y^4$	-636		
$-x^4 + 53y^4$	-636		(1, 0)
$x^4 - 53y^4$	-636	(1, 0)	
$4x^4 + 8x^3y + 6x^2y^2 + 2xy^3 - 13y^4$	-636		
$7x^4 - 4x^3y - 4xy^3 - 7y^4$	-636		
$7x^4 + 4x^3y + 4xy^3 - 7y^4$	-636		
$-4x^4 - 5x^3y + 9x^2y^2 - 16xy^3 + 10y^4$	-639		
$-4x^4 + 5x^3y + 9x^2y^2 + 16xy^3 + 10y^4$	-639		
$4x^4 - 5x^3y - 9x^2y^2 - 16xy^3 - 10y^4$	-639		
$4x^4 + 5x^3y - 9x^2y^2 + 16xy^3 - 10y^4$	-639		
$-2x^4 + 27y^4$	-648		
$-x^4 + 54y^4$	-648		(1, 0)
$-x^4 + 2x^3y + 36x^2y^2 - 182xy^3 + 253y^4$	-648		(1, 0)
$-x^4 + 2x^3y + 36x^2y^2 + 108xy^3 + 108y^4$	-648		(1, 0)
$x^4 - 54y^4$	-648	(1, 0)	
$x^4 + 2x^3y - 36x^2y^2 - 182xy^3 - 253y^4$	-648	(1, 0)	
$x^4 + 2x^3y - 36x^2y^2 + 108xy^3 - 108y^4$	-648	(1, 0)	
$2x^4 - 27y^4$	-648		
$-3x^4 - 5x^3y + 24x^2y^2 + 79xy^3 + 67y^4$	-651		
$-3x^4 + 5x^3y + 24x^2y^2 - 79xy^3 + 67y^4$	-651		
$-2x^4 - x^3y + 15x^2y^2 + 44xy^3 + 42y^4$	-651		
$-2x^4 + x^3y + 15x^2y^2 - 44xy^3 + 42y^4$	-651		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 27y^4$	-651		
$2x^4 - x^3y - 15x^2y^2 + 44xy^3 - 42y^4$	-651		
$2x^4 + x^3y - 15x^2y^2 - 44xy^3 - 42y^4$	-651		
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 27y^4$	-651		
$3x^4 - 5x^3y - 24x^2y^2 + 79xy^3 - 67y^4$	-651		
$3x^4 + 5x^3y - 24x^2y^2 - 79xy^3 - 67y^4$	-651		
$-9x^4 - 11x^3y - 3x^2y^2 + 6xy^3 + 8y^4$	-657	(1, -1)	
$-9x^4 + 11x^3y - 3x^2y^2 - 6xy^3 + 8y^4$	-657	(1, 1)	
$-8x^4 - 6x^3y + 3x^2y^2 + 11xy^3 + 9y^4$	-657		(1, -1)
$-8x^4 + 6x^3y + 3x^2y^2 - 11xy^3 + 9y^4$	-657		(1, 1)

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-4x^4 - 3x^3y + 6x^2y^2 + 19xy^3 + 18y^4$	-657		
$-4x^4 - 2x^3y + 27x^2y^2 + 57xy^3 + 36y^4$	-657		
$-4x^4 + 2x^3y + 27x^2y^2 - 57xy^3 + 36y^4$	-657		
$-4x^4 + 3x^3y + 6x^2y^2 - 19xy^3 + 18y^4$	-657		
$-2x^4 - 3x^3y + 3x^2y^2 + 22xy^3 + 36y^4$	-657		
$-2x^4 + 3x^3y + 3x^2y^2 - 22xy^3 + 36y^4$	-657		
$-x^4 - x^3y + 27x^2y^2 + 114xy^3 + 144y^4$	-657		(1, 0)
$-x^4 - x^3y + 108x^2y^2 + 681xy^3 + 1197y^4$	-657		(1, 0)
$-x^4 + x^3y + 27x^2y^2 - 114xy^3 + 144y^4$	-657		(1, 0)
$-x^4 + x^3y + 108x^2y^2 - 681xy^3 + 1197y^4$	-657		(1, 0)
$x^4 - x^3y - 108x^2y^2 + 681xy^3 - 1197y^4$	-657	(1, 0)	
$x^4 - x^3y - 27x^2y^2 + 114xy^3 - 144y^4$	-657	(1, 0)	
$x^4 + x^3y - 108x^2y^2 - 681xy^3 - 1197y^4$	-657	(1, 0)	
$x^4 + x^3y - 27x^2y^2 - 114xy^3 - 144y^4$	-657	(1, 0)	
$2x^4 - 3x^3y - 3x^2y^2 + 22xy^3 - 36y^4$	-657		
$2x^4 + 3x^3y - 3x^2y^2 - 22xy^3 - 36y^4$	-657		
$4x^4 - 3x^3y - 6x^2y^2 + 19xy^3 - 18y^4$	-657		
$4x^4 - 2x^3y - 27x^2y^2 + 57xy^3 - 36y^4$	-657		
$4x^4 + 2x^3y - 27x^2y^2 - 57xy^3 - 36y^4$	-657		
$4x^4 + 3x^3y - 6x^2y^2 - 19xy^3 - 18y^4$	-657		
$8x^4 - 6x^3y - 3x^2y^2 + 11xy^3 - 9y^4$	-657	(1, 1)	
$8x^4 + 6x^3y - 3x^2y^2 - 11xy^3 - 9y^4$	-657	(1, -1)	
$9x^4 - 11x^3y + 3x^2y^2 + 6xy^3 - 8y^4$	-657		(1, 1)
$9x^4 + 11x^3y + 3x^2y^2 - 6xy^3 - 8y^4$	-657		(1, -1)
$-7x^4 - 8x^3y + 6x^2y^2 + 20xy^3 + 14y^4$	-660	(1, -1)	
$-7x^4 + 8x^3y + 6x^2y^2 - 20xy^3 + 14y^4$	-660	(1, 1)	
$-5x^4 - 4x^3y + 12x^2y^2 + 28xy^3 + 19y^4$	-660		
$-5x^4 + 11y^4$	-660		
$-5x^4 + 4x^3y + 12x^2y^2 - 28xy^3 + 19y^4$	-660		
$-4x^4 - 4x^3y + 6x^2y^2 - 14xy^3 + 11y^4$	-660		
$-4x^4 + 4x^3y + 6x^2y^2 + 14xy^3 + 11y^4$	-660		
$-2x^4 - 3x^3y + 12xy^3 + 32y^4$	-660		
$-2x^4 + 3x^3y - 12xy^3 + 32y^4$	-660		
$-2x^4 + 4x^3y + 30x^2y^2 - 120xy^3 + 125y^4$	-660		
$-2x^4 + 4x^3y + 30x^2y^2 + 56xy^3 + 37y^4$	-660		
$-x^4 + 55y^4$	-660		(1, 0)
$-x^4 + 66x^2y^2 - 308xy^3 + 418y^4$	-660		(1, 0)
$-x^4 + 66x^2y^2 + 308xy^3 + 418y^4$	-660		(1, 0)
$-x^4 + 2x^3y + 6x^2y^2 - 42xy^3 + 79y^4$	-660		(1, 0)

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-x^4 + 2x^3y + 6x^2y^2 + 28xy^3 + 44y^4$	-660		(1, 0)
$x^4 - 66x^2y^2 - 308xy^3 - 418y^4$	-660	(1, 0)	
$x^4 - 66x^2y^2 + 308xy^3 - 418y^4$	-660	(1, 0)	
$x^4 - 55y^4$	-660	(1, 0)	
$x^4 + 2x^3y - 6x^2y^2 - 42xy^3 - 79y^4$	-660	(1, 0)	
$x^4 + 2x^3y - 6x^2y^2 + 28xy^3 - 44y^4$	-660	(1, 0)	
$2x^4 - 3x^3y + 12xy^3 - 32y^4$	-660		
$2x^4 + 3x^3y - 12xy^3 - 32y^4$	-660		
$2x^4 + 4x^3y - 30x^2y^2 - 120xy^3 - 125y^4$	-660		
$2x^4 + 4x^3y - 30x^2y^2 + 56xy^3 - 37y^4$	-660		
$4x^4 - 4x^3y - 6x^2y^2 - 14xy^3 - 11y^4$	-660		
$4x^4 + 4x^3y - 6x^2y^2 + 14xy^3 - 11y^4$	-660		
$5x^4 - 4x^3y - 12x^2y^2 + 28xy^3 - 19y^4$	-660		
$5x^4 - 11y^4$	-660		
$5x^4 + 4x^3y - 12x^2y^2 - 28xy^3 - 19y^4$	-660		
$7x^4 - 8x^3y - 6x^2y^2 + 20xy^3 - 14y^4$	-660		(1, 1)
$7x^4 + 8x^3y - 6x^2y^2 - 20xy^3 - 14y^4$	-660		(1, -1)
$-7x^4 - 5x^3y - 5xy^3 + 7y^4$	-663		
$-7x^4 + 5x^3y + 5xy^3 + 7y^4$	-663		
$-5x^4 - 9x^3y + 3x^2y^2 + 24xy^3 + 22y^4$	-663		
$-5x^4 + 9x^3y + 3x^2y^2 - 24xy^3 + 22y^4$	-663		
$-3x^4 - x^3y + 6x^2y^2 + 19xy^3 + 21y^4$	-663		
$-3x^4 + x^3y + 6x^2y^2 - 19xy^3 + 21y^4$	-663		
$-2x^4 - 3x^3y + 27x^2y^2 + 96xy^3 + 94y^4$	-663		
$-2x^4 + 3x^2y^2 - 15xy^3 + 28y^4$	-663		
$-2x^4 + 3x^2y^2 + 15xy^3 + 28y^4$	-663		
$-2x^4 + 51x^2y^2 - 153xy^3 + 136y^4$	-663		
$-2x^4 + 51x^2y^2 + 153xy^3 + 136y^4$	-663		
$-2x^4 + 3x^3y + 27x^2y^2 - 96xy^3 + 94y^4$	-663		
$-x^4 - x^3y + 6x^2y^2 + 35xy^3 + 67y^4$	-663		(1, 0)
$-x^4 + x^3y + 6x^2y^2 - 35xy^3 + 67y^4$	-663		(1, 0)
$x^4 - x^3y - 6x^2y^2 + 35xy^3 - 67y^4$	-663	(1, 0)	
$x^4 + x^3y - 6x^2y^2 - 35xy^3 - 67y^4$	-663	(1, 0)	
$2x^4 - 3x^3y - 27x^2y^2 + 96xy^3 - 94y^4$	-663		
$2x^4 - 51x^2y^2 - 153xy^3 - 136y^4$	-663		
$2x^4 - 51x^2y^2 + 153xy^3 - 136y^4$	-663		
$2x^4 - 3x^2y^2 - 15xy^3 - 28y^4$	-663		
$2x^4 - 3x^2y^2 + 15xy^3 - 28y^4$	-663		
$2x^4 + 3x^3y - 27x^2y^2 - 96xy^3 - 94y^4$	-663		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$3x^4 - x^3y - 6x^2y^2 + 19xy^3 - 21y^4$	-663		
$3x^4 + x^3y - 6x^2y^2 - 19xy^3 - 21y^4$	-663		
$5x^4 - 9x^3y - 3x^2y^2 + 24xy^3 - 22y^4$	-663		
$5x^4 + 9x^3y - 3x^2y^2 - 24xy^3 - 22y^4$	-663		
$7x^4 - 5x^3y - 5xy^3 - 7y^4$	-663		
$7x^4 + 5x^3y + 5xy^3 - 7y^4$	-663		
$-9x^4 - 16x^3y - 6x^2y^2 - 8xy^3 + 3y^4$	-672		
$-9x^4 - 10x^3y + 10xy^3 + 9y^4$	-672		
$-9x^4 + 10x^3y - 10xy^3 + 9y^4$	-672		
$-9x^4 + 16x^3y - 6x^2y^2 + 8xy^3 + 3y^4$	-672		
$-8x^4 + 7y^4$	-672		(1, 1) (1, -1)
$-7x^4 + 8y^4$	-672	(1, 1) (1, -1)	
$-4x^4 + 12x^2y^2 - 24xy^3 + 17y^4$	-672	(1, 1)	
$-4x^4 + 12x^2y^2 + 24xy^3 + 17y^4$	-672	(1, -1)	
$-3x^4 - 4x^3y + 12x^2y^2 + 40xy^3 + 36y^4$	-672		
$-3x^4 + 4x^3y + 12x^2y^2 - 40xy^3 + 36y^4$	-672		
$-x^4 - x^3y + 45x^2y^2 - 163xy^3 + 184y^4$	-672		(1, 0)
$-x^4 + 56y^4$	-672		(1, 0)
$-x^4 + 12x^2y^2 - 48xy^3 + 68y^4$	-672		(1, 0)
$-x^4 + 12x^2y^2 + 48xy^3 + 68y^4$	-672		(1, 0)
$-x^4 + 42x^2y^2 - 168xy^3 + 203y^4$	-672		(1, 0)
$-x^4 + 42x^2y^2 + 168xy^3 + 203y^4$	-672		(1, 0)
$-x^4 + 108x^2y^2 - 624xy^3 + 1028y^4$	-672		(1, 0)
$-x^4 + 108x^2y^2 + 624xy^3 + 1028y^4$	-672		(1, 0)
$-x^4 + x^3y + 45x^2y^2 + 163xy^3 + 184y^4$	-672		(1, 0)
$-x^4 + 2x^3y - 16xy^3 + 64y^4$	-672		(1, 0)
$-x^4 + 2x^3y + 14xy^3 + 49y^4$	-672		(1, 0)
$x^4 - x^3y - 45x^2y^2 - 163xy^3 - 184y^4$	-672	(1, 0)	
$x^4 - 108x^2y^2 - 624xy^3 - 1028y^4$	-672	(1, 0)	
$x^4 - 108x^2y^2 + 624xy^3 - 1028y^4$	-672	(1, 0)	
$x^4 - 42x^2y^2 - 168xy^3 - 203y^4$	-672	(1, 0)	
$x^4 - 42x^2y^2 + 168xy^3 - 203y^4$	-672	(1, 0)	
$x^4 - 12x^2y^2 - 48xy^3 - 68y^4$	-672	(1, 0)	
$x^4 - 12x^2y^2 + 48xy^3 - 68y^4$	-672	(1, 0)	
$x^4 - 56y^4$	-672	(1, 0)	
$x^4 + x^3y - 45x^2y^2 + 163xy^3 - 184y^4$	-672	(1, 0)	
$x^4 + 2x^3y - 16xy^3 - 64y^4$	-672	(1, 0)	
$x^4 + 2x^3y + 14xy^3 - 49y^4$	-672	(1, 0)	
$3x^4 - 4x^3y - 12x^2y^2 + 40xy^3 - 36y^4$	-672		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$3x^4 + 4x^3y - 12x^2y^2 - 40xy^3 - 36y^4$	-672	(1, 1) (1, -1)	(1, -1) (1, 1) (1, 1) (1, -1)
$4x^4 - 12x^2y^2 - 24xy^3 - 17y^4$	-672		
$4x^4 - 12x^2y^2 + 24xy^3 - 17y^4$	-672		
$7x^4 - 8y^4$	-672		
$8x^4 - 7y^4$	-672		
$9x^4 - 16x^3y + 6x^2y^2 - 8xy^3 - 3y^4$	-672		
$9x^4 - 10x^3y + 10xy^3 - 9y^4$	-672		
$9x^4 + 10x^3y - 10xy^3 - 9y^4$	-672		
$9x^4 + 16x^3y + 6x^2y^2 + 8xy^3 - 3y^4$	-672		
$-2x^4 - x^3y + 42x^2y^2 - 109xy^3 + 88y^4$	-675		
$-2x^4 + x^3y + 42x^2y^2 + 109xy^3 + 88y^4$	-675		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 28y^4$	-675		
$-2x^4 + 4x^3y + 9x^2y^2 - 45xy^3 + 54y^4$	-675		
$-2x^4 + 4x^3y + 9x^2y^2 + 23xy^3 + 20y^4$	-675		
$-x^4 - x^3y + 9x^2y^2 - 36xy^3 + 54y^4$	-675		
$-x^4 + x^3y + 9x^2y^2 + 36xy^3 + 54y^4$	-675		
$x^4 - x^3y - 9x^2y^2 - 36xy^3 - 54y^4$	-675	(1, 0)	
$x^4 + x^3y - 9x^2y^2 + 36xy^3 - 54y^4$	-675	(1, 0)	
$2x^4 - x^3y - 42x^2y^2 - 109xy^3 - 88y^4$	-675	(1, 0) (1, 0)	
$2x^4 + x^3y - 42x^2y^2 + 109xy^3 - 88y^4$	-675		
$2x^4 + 4x^3y - 9x^2y^2 - 45xy^3 - 54y^4$	-675		
$2x^4 + 4x^3y - 9x^2y^2 + 23xy^3 - 20y^4$	-675		
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 28y^4$	-675		
$-7x^4 - 13x^3y - 3x^2y^2 - 9xy^3 + 4y^4$	-678		
$-7x^4 + 13x^3y - 3x^2y^2 + 9xy^3 + 4y^4$	-678		
$-4x^4 - 7x^3y + 6x^2y^2 + 30xy^3 + 28y^4$	-678		
$-4x^4 + 7x^3y + 6x^2y^2 - 30xy^3 + 28y^4$	-678		
$-2x^4 - x^3y + 15x^2y^2 - 37xy^3 + 33y^4$	-678		
$-2x^4 + x^3y + 15x^2y^2 + 37xy^3 + 33y^4$	-678		
$2x^4 - x^3y - 15x^2y^2 - 37xy^3 - 33y^4$	-678		
$2x^4 + x^3y - 15x^2y^2 + 37xy^3 - 33y^4$	-678		
$4x^4 - 7x^3y - 6x^2y^2 + 30xy^3 - 28y^4$	-678		
$4x^4 + 7x^3y - 6x^2y^2 - 30xy^3 - 28y^4$	-678		
$7x^4 - 13x^3y + 3x^2y^2 - 9xy^3 - 4y^4$	-678		
$7x^4 + 13x^3y + 3x^2y^2 + 9xy^3 - 4y^4$	-678		
$-3x^4 + 19y^4$	-684	(1, 0) (1, 0) (1, 0)	
$-x^4 - x^3y + 21x^2y^2 + 89xy^3 + 116y^4$	-684		
$-x^4 + 57y^4$	-684		
$-x^4 + 24x^2y^2 - 88xy^3 + 105y^4$	-684		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-x^4 + 24x^2y^2 + 88xy^3 + 105y^4$	-684		(1, 0)
$-x^4 + x^3y + 21x^2y^2 - 89xy^3 + 116y^4$	-684		(1, 0)
$x^4 - x^3y - 21x^2y^2 + 89xy^3 - 116y^4$	-684	(1, 0)	
$x^4 - 24x^2y^2 - 88xy^3 - 105y^4$	-684	(1, 0)	
$x^4 - 24x^2y^2 + 88xy^3 - 105y^4$	-684	(1, 0)	
$x^4 - 57y^4$	-684	(1, 0)	
$x^4 + x^3y - 21x^2y^2 - 89xy^3 - 116y^4$	-684	(1, 0)	
$3x^4 - 19y^4$	-684		
$-x^4 - x^3y + 84x^2y^2 + 479xy^3 + 765y^4$	-687	(4, -1)	(1, 0)
$-x^4 + x^3y + 84x^2y^2 - 479xy^3 + 765y^4$	-687	(4, 1)	(1, 0)
$x^4 - x^3y - 84x^2y^2 + 479xy^3 - 765y^4$	-687	(1, 0)	(4, 1)
$x^4 + x^3y - 84x^2y^2 - 479xy^3 - 765y^4$	-687	(1, 0)	(4, -1)
$-8x^4 - 5x^3y + 5xy^3 + 8y^4$	-693		
$-8x^4 + 5x^3y - 5xy^3 + 8y^4$	-693		
$8x^4 - 5x^3y + 5xy^3 - 8y^4$	-693		
$8x^4 + 5x^3y - 5xy^3 - 8y^4$	-693		
$-7x^4 - 6x^3y - 6xy^3 + 7y^4$	-696		
$-7x^4 + 6x^3y + 6xy^3 + 7y^4$	-696		
$-3x^4 - 2x^3y + 24x^2y^2 - 44xy^3 + 28y^4$	-696		
$-3x^4 + 2x^3y + 24x^2y^2 + 44xy^3 + 28y^4$	-696		
$-2x^4 + 29y^4$	-696		
$-x^4 + 58y^4$	-696		(1, 0)
$x^4 - 58y^4$	-696	(1, 0)	
$2x^4 - 29y^4$	-696		
$3x^4 - 2x^3y - 24x^2y^2 - 44xy^3 - 28y^4$	-696		
$3x^4 + 2x^3y - 24x^2y^2 + 44xy^3 - 28y^4$	-696		
$7x^4 - 6x^3y - 6xy^3 - 7y^4$	-696		
$7x^4 + 6x^3y + 6xy^3 - 7y^4$	-696		
$-4x^4 - 3x^3y + 15x^2y^2 + 36xy^3 + 26y^4$	-699		
$-4x^4 + 3x^3y + 15x^2y^2 - 36xy^3 + 26y^4$	-699		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 29y^4$	-699		
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 29y^4$	-699		
$4x^4 - 3x^3y - 15x^2y^2 + 36xy^3 - 26y^4$	-699		
$4x^4 + 3x^3y - 15x^2y^2 - 36xy^3 - 26y^4$	-699		
$-5x^4 - x^3y + 9x^2y^2 + 19xy^3 + 14y^4$	-702		
$-5x^4 + x^3y + 9x^2y^2 - 19xy^3 + 14y^4$	-702		
$5x^4 - x^3y - 9x^2y^2 + 19xy^3 - 14y^4$	-702		
$5x^4 + x^3y - 9x^2y^2 - 19xy^3 - 14y^4$	-702		
$-x^4 + 59y^4$	-708		(1, 0)

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$x^4 - 59y^4$	-708	(1, 0)	
$-10x^4 - 16x^3y - 9x^2y^2 + xy^3 + 7y^4$	-711		
$-10x^4 + 16x^3y - 9x^2y^2 - xy^3 + 7y^4$	-711		
$-7x^4 - x^3y + 9x^2y^2 + 16xy^3 + 10y^4$	-711		
$-7x^4 + x^3y + 9x^2y^2 - 16xy^3 + 10y^4$	-711		
$-3x^4 - x^3y + 36x^2y^2 + 87xy^3 + 63y^4$	-711		
$-3x^4 + x^3y + 36x^2y^2 - 87xy^3 + 63y^4$	-711		
$3x^4 - x^3y - 36x^2y^2 + 87xy^3 - 63y^4$	-711		
$3x^4 + x^3y - 36x^2y^2 - 87xy^3 - 63y^4$	-711		
$7x^4 - x^3y - 9x^2y^2 + 16xy^3 - 10y^4$	-711		
$7x^4 + x^3y - 9x^2y^2 - 16xy^3 - 10y^4$	-711		
$10x^4 - 16x^3y + 9x^2y^2 + xy^3 - 7y^4$	-711		
$10x^4 + 16x^3y + 9x^2y^2 - xy^3 - 7y^4$	-711		
$-6x^4 - 11x^3y + 3x^2y^2 - 11xy^3 + 5y^4$	-714		
$-6x^4 + 11x^3y + 3x^2y^2 + 11xy^3 + 5y^4$	-714		
$-5x^4 - 9x^3y + 18xy^3 + 20y^4$	-714		
$-5x^4 + 9x^3y - 18xy^3 + 20y^4$	-714		
$-4x^4 - 3x^3y + 6xy^3 + 16y^4$	-714		
$-4x^4 + 3x^3y - 6xy^3 + 16y^4$	-714		
$4x^4 - 3x^3y + 6xy^3 - 16y^4$	-714		
$4x^4 + 3x^3y - 6xy^3 - 16y^4$	-714		
$5x^4 - 9x^3y + 18xy^3 - 20y^4$	-714		
$5x^4 + 9x^3y - 18xy^3 - 20y^4$	-714		
$6x^4 - 11x^3y - 3x^2y^2 - 11xy^3 - 5y^4$	-714		
$6x^4 + 11x^3y - 3x^2y^2 + 11xy^3 - 5y^4$	-714		
$-9x^4 - 12x^3y - 8xy^3 + 4y^4$	-720		
$-9x^4 + 12x^3y + 8xy^3 + 4y^4$	-720		
$-8x^4 - 12x^3y - 6x^2y^2 - 5xy^3 + 6y^4$	-720		
$-8x^4 + 12x^3y - 6x^2y^2 + 5xy^3 + 6y^4$	-720		
$-8x^4 + 16x^3y - 12x^2y^2 + 4xy^3 + 7y^4$	-720		
$-7x^4 - 4x^3y + 12x^2y^2 - 16xy^3 + 8y^4$	-720		
$-7x^4 + 4x^3y + 12x^2y^2 + 16xy^3 + 8y^4$	-720		
$-6x^4 - 5x^3y + 6x^2y^2 - 12xy^3 + 8y^4$	-720		
$-6x^4 + 5x^3y + 6x^2y^2 + 12xy^3 + 8y^4$	-720		
$-5x^4 + 12y^4$	-720		
$-4x^4 + 15y^4$	-720		
$-4x^4 + 8x^3y - 20xy^3 + 25y^4$	-720		
$-4x^4 + 8x^3y + 12xy^3 + 9y^4$	-720		
$-3x^4 + 20y^4$	-720		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-x^4 - x^3y + 18x^2y^2 - 60xy^3 + 72y^4$	-720		(1, 0)
$-x^4 + 60y^4$	-720		(1, 0)
$-x^4 + 6x^2y^2 - 32xy^3 + 63y^4$	-720		(1, 0)
$-x^4 + 6x^2y^2 + 32xy^3 + 63y^4$	-720		(1, 0)
$-x^4 + 90x^2y^2 - 480xy^3 + 735y^4$	-720		(4, 1) (1, 0)
$-x^4 + 90x^2y^2 + 480xy^3 + 735y^4$	-720		(4, -1) (1, 0)
$-x^4 + x^3y + 18x^2y^2 + 60xy^3 + 72y^4$	-720		(1, 0)
$x^4 - x^3y - 18x^2y^2 - 60xy^3 - 72y^4$	-720	(1, 0)	
$x^4 - 90x^2y^2 - 480xy^3 - 735y^4$	-720	(4, -1) (1, 0)	
$x^4 - 90x^2y^2 + 480xy^3 - 735y^4$	-720	(4, 1) (1, 0)	
$x^4 - 6x^2y^2 - 32xy^3 - 63y^4$	-720	(1, 0)	
$x^4 - 6x^2y^2 + 32xy^3 - 63y^4$	-720	(1, 0)	
$x^4 - 60y^4$	-720	(1, 0)	
$x^4 + x^3y - 18x^2y^2 + 60xy^3 - 72y^4$	-720	(1, 0)	
$3x^4 - 20y^4$	-720		
$4x^4 - 15y^4$	-720		
$4x^4 + 8x^3y - 20xy^3 - 25y^4$	-720		
$4x^4 + 8x^3y + 12xy^3 - 9y^4$	-720		
$5x^4 - 12y^4$	-720		
$6x^4 - 5x^3y - 6x^2y^2 - 12xy^3 - 8y^4$	-720		
$6x^4 + 5x^3y - 6x^2y^2 + 12xy^3 - 8y^4$	-720		
$7x^4 - 4x^3y - 12x^2y^2 - 16xy^3 - 8y^4$	-720		
$7x^4 + 4x^3y - 12x^2y^2 + 16xy^3 - 8y^4$	-720		
$8x^4 - 12x^3y + 6x^2y^2 - 5xy^3 - 6y^4$	-720		
$8x^4 + 12x^3y + 6x^2y^2 + 5xy^3 - 6y^4$	-720		
$8x^4 + 16x^3y + 12x^2y^2 + 4xy^3 - 7y^4$	-720		
$9x^4 - 12x^3y - 8xy^3 - 4y^4$	-720		
$9x^4 + 12x^3y + 8xy^3 - 4y^4$	-720		
$-2x^4 - x^3y + 42x^2y^2 + 131xy^3 + 120y^4$	-723		
$-2x^4 + x^3y + 42x^2y^2 - 131xy^3 + 120y^4$	-723		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 30y^4$	-723		
$2x^4 - x^3y - 42x^2y^2 + 131xy^3 - 120y^4$	-723		
$2x^4 + x^3y - 42x^2y^2 - 131xy^3 - 120y^4$	-723		
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 30y^4$	-723		
$-3x^4 - 5x^3y + 3x^2y^2 + 23xy^3 + 30y^4$	-726		
$-3x^4 + 5x^3y + 3x^2y^2 - 23xy^3 + 30y^4$	-726		
$3x^4 - 5x^3y - 3x^2y^2 + 23xy^3 - 30y^4$	-726		
$3x^4 + 5x^3y - 3x^2y^2 - 23xy^3 - 30y^4$	-726		
$-4x^4 - 2x^3y + 3x^2y^2 - 11xy^3 + 14y^4$	-729		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-4x^4 + 2x^3y + 3x^2y^2 + 11xy^3 + 14y^4$	-729		
$-x^4 - x^3y + 3x^2y^2 - 22xy^3 + 56y^4$	-729		(1, 0)
$-x^4 + x^3y + 3x^2y^2 + 22xy^3 + 56y^4$	-729		(1, 0)
$x^4 - x^3y - 3x^2y^2 - 22xy^3 - 56y^4$	-729	(1, 0)	
$x^4 + x^3y - 3x^2y^2 + 22xy^3 - 56y^4$	-729	(1, 0)	
$4x^4 - 2x^3y - 3x^2y^2 - 11xy^3 - 14y^4$	-729		
$4x^4 + 2x^3y - 3x^2y^2 + 11xy^3 - 14y^4$	-729		
$-5x^4 - 8x^3y + 6x^2y^2 + 28xy^3 + 24y^4$	-732		
$-5x^4 + 8x^3y + 6x^2y^2 - 28xy^3 + 24y^4$	-732		
$-4x^4 + 8x^3y - 6x^2y^2 + 2xy^3 + 15y^4$	-732		
$-x^4 + 61y^4$	-732		(1, 0)
$x^4 - 61y^4$	-732	(1, 0)	
$4x^4 + 8x^3y + 6x^2y^2 + 2xy^3 - 15y^4$	-732		
$5x^4 - 8x^3y - 6x^2y^2 + 28xy^3 - 24y^4$	-732		
$5x^4 + 8x^3y - 6x^2y^2 - 28xy^3 - 24y^4$	-732		
$-6x^4 - 8x^3y - 3x^2y^2 + 5xy^3 + 12y^4$	-735		
$-6x^4 + 8x^3y - 3x^2y^2 - 5xy^3 + 12y^4$	-735		
$6x^4 - 8x^3y + 3x^2y^2 + 5xy^3 - 12y^4$	-735		
$6x^4 + 8x^3y + 3x^2y^2 - 5xy^3 - 12y^4$	-735		
$-8x^4 - 3x^3y + 3xy^3 + 8y^4$	-741		
$-8x^4 + 3x^3y - 3xy^3 + 8y^4$	-741		
$8x^4 - 3x^3y + 3xy^3 - 8y^4$	-741		
$8x^4 + 3x^3y - 3xy^3 - 8y^4$	-741		
$-2x^4 + 31y^4$	-744		(2, 1) (2, -1)
$-x^4 - x^3y + 8xy^3 + 64y^4$	-744		(1, 0)
$-x^4 + 62y^4$	-744		(1, 0)
$-x^4 + x^3y - 8xy^3 + 64y^4$	-744		(1, 0)
$x^4 - x^3y + 8xy^3 - 64y^4$	-744	(1, 0)	
$x^4 - 62y^4$	-744	(1, 0)	
$x^4 + x^3y - 8xy^3 - 64y^4$	-744	(1, 0)	
$2x^4 - 31y^4$	-744	(2, 1) (2, -1)	
$-6x^4 + 12x^3y - 9x^2y^2 + 3xy^3 + 10y^4$	-747		
$-3x^4 - 5x^3y + 15xy^3 + 27y^4$	-747		
$-3x^4 + 5x^3y - 15xy^3 + 27y^4$	-747		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 31y^4$	-747		
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 31y^4$	-747		
$3x^4 - 5x^3y + 15xy^3 - 27y^4$	-747		
$3x^4 + 5x^3y - 15xy^3 - 27y^4$	-747		
$6x^4 + 12x^3y + 9x^2y^2 + 3xy^3 - 10y^4$	-747		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$	
$-9x^4 + 7y^4$	-756	(1, 0)	(1, 0)	
$-7x^4 + 9y^4$	-756			
$-2x^4 - x^3y + 4xy^3 + 32y^4$	-756			
$-2x^4 + x^3y - 4xy^3 + 32y^4$	-756			
$-2x^4 + 4x^3y + 18x^2y^2 - 76xy^3 + 83y^4$	-756			
$-2x^4 + 4x^3y + 18x^2y^2 + 36xy^3 + 27y^4$	-756			
$-x^4 + 63y^4$	-756			
$x^4 - 63y^4$	-756			
$2x^4 - x^3y + 4xy^3 - 32y^4$	-756			
$2x^4 + x^3y - 4xy^3 - 32y^4$	-756			
$2x^4 + 4x^3y - 18x^2y^2 - 76xy^3 - 83y^4$	-756			
$2x^4 + 4x^3y - 18x^2y^2 + 36xy^3 - 27y^4$	-756			
$7x^4 - 9y^4$	-756			
$9x^4 - 7y^4$	-756			
$-x^4 - x^3y + 30x^2y^2 + 131xy^3 + 171y^4$	-759			(1, 0)
$-x^4 + x^3y + 30x^2y^2 - 131xy^3 + 171y^4$	-759			(1, 0)
$x^4 - x^3y - 30x^2y^2 + 131xy^3 - 171y^4$	-759	(1, 0)		
$x^4 + x^3y - 30x^2y^2 - 131xy^3 - 171y^4$	-759	(1, 0)		
$-4x^4 - x^3y + 2xy^3 + 16y^4$	-762	(1, 0)	(1, 0)	
$-4x^4 + x^3y - 2xy^3 + 16y^4$	-762			
$4x^4 - x^3y + 2xy^3 - 16y^4$	-762			
$4x^4 + x^3y - 2xy^3 - 16y^4$	-762			
$-8x^4 - x^3y + xy^3 + 8y^4$	-765			
$-8x^4 + x^3y - xy^3 + 8y^4$	-765			
$8x^4 - x^3y + xy^3 - 8y^4$	-765			
$8x^4 + x^3y - xy^3 - 8y^4$	-765			
$-3x^4 - 4x^3y + 30x^2y^2 + 92xy^3 + 77y^4$	-768			
$-3x^4 + 4x^3y + 30x^2y^2 - 92xy^3 + 77y^4$	-768			
$-x^4 + 64y^4$	-768	(1, 0)		
$x^4 - 64y^4$	-768	(1, 0)		
$3x^4 - 4x^3y - 30x^2y^2 + 92xy^3 - 77y^4$	-768	(1, 0)	(1, 0)	
$3x^4 + 4x^3y - 30x^2y^2 - 92xy^3 - 77y^4$	-768			
$-8x^4 - x^3y - xy^3 + 8y^4$	-771			
$-8x^4 + x^3y + xy^3 + 8y^4$	-771			
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 32y^4$	-771			
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 32y^4$	-771			
$8x^4 - x^3y - xy^3 - 8y^4$	-771			
$8x^4 + x^3y + xy^3 - 8y^4$	-771			
$-4x^4 - x^3y - 2xy^3 + 16y^4$	-774			

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-4x^4 + x^3y + 2xy^3 + 16y^4$	-774		
$-x^4 - x^3y + 45x^2y^2 + 211xy^3 + 286y^4$	-774		(1, 0)
$-x^4 + x^3y + 45x^2y^2 - 211xy^3 + 286y^4$	-774		(1, 0)
$x^4 - x^3y - 45x^2y^2 + 211xy^3 - 286y^4$	-774	(1, 0)	
$x^4 + x^3y - 45x^2y^2 - 211xy^3 - 286y^4$	-774	(1, 0)	
$4x^4 - x^3y - 2xy^3 - 16y^4$	-774		
$4x^4 + x^3y + 2xy^3 - 16y^4$	-774		
$-4x^4 - 2x^3y + 3x^2y^2 + 13xy^3 + 18y^4$	-777		
$-4x^4 + 2x^3y + 3x^2y^2 - 13xy^3 + 18y^4$	-777		
$-x^4 - x^3y + 3x^2y^2 + 26xy^3 + 72y^4$	-777		(1, 0)
$-x^4 + x^3y + 3x^2y^2 - 26xy^3 + 72y^4$	-777		(1, 0)
$x^4 - x^3y - 3x^2y^2 + 26xy^3 - 72y^4$	-777	(1, 0)	
$x^4 + x^3y - 3x^2y^2 - 26xy^3 - 72y^4$	-777	(1, 0)	
$4x^4 - 2x^3y - 3x^2y^2 + 13xy^3 - 18y^4$	-777		
$4x^4 + 2x^3y - 3x^2y^2 - 13xy^3 - 18y^4$	-777		
$-9x^4 - 8x^3y + 8xy^3 + 9y^4$	-780		
$-9x^4 + 8x^3y - 8xy^3 + 9y^4$	-780		
$-7x^4 - 8x^3y - 8xy^3 + 7y^4$	-780		
$-7x^4 + 8x^3y + 8xy^3 + 7y^4$	-780		
$-5x^4 + 13y^4$	-780		
$-4x^4 - x^3y + 6x^2y^2 - 16xy^3 + 16y^4$	-780	(1, 1)	
$-4x^4 + x^3y + 6x^2y^2 + 16xy^3 + 16y^4$	-780	(1, -1)	
$-2x^4 - x^3y - 4xy^3 + 32y^4$	-780		
$-2x^4 + x^3y + 4xy^3 + 32y^4$	-780		
$-x^4 - x^3y + 18x^2y^2 + 80xy^3 + 112y^4$	-780		(1, 0)
$-x^4 + 65y^4$	-780		(1, 0)
$-x^4 + 96x^2y^2 - 528xy^3 + 833y^4$	-780	(4, 1)	(1, 0)
$-x^4 + 96x^2y^2 + 528xy^3 + 833y^4$	-780	(4, -1)	(1, 0)
$-x^4 + x^3y + 18x^2y^2 - 80xy^3 + 112y^4$	-780		(1, 0)
$x^4 - x^3y - 18x^2y^2 + 80xy^3 - 112y^4$	-780	(1, 0)	
$x^4 - 96x^2y^2 - 528xy^3 - 833y^4$	-780	(1, 0)	(4, -1)
$x^4 - 96x^2y^2 + 528xy^3 - 833y^4$	-780	(1, 0)	(4, 1)
$x^4 - 65y^4$	-780	(1, 0)	
$x^4 + x^3y - 18x^2y^2 - 80xy^3 - 112y^4$	-780	(1, 0)	
$2x^4 - x^3y - 4xy^3 - 32y^4$	-780		
$2x^4 + x^3y + 4xy^3 - 32y^4$	-780		
$4x^4 - x^3y - 6x^2y^2 - 16xy^3 - 16y^4$	-780		(1, -1)
$4x^4 + x^3y - 6x^2y^2 + 16xy^3 - 16y^4$	-780		(1, 1)
$5x^4 - 13y^4$	-780		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$7x^4 - 8x^3y - 8xy^3 - 7y^4$	-780		
$7x^4 + 8x^3y + 8xy^3 - 7y^4$	-780		
$9x^4 - 8x^3y + 8xy^3 - 9y^4$	-780		
$9x^4 + 8x^3y - 8xy^3 - 9y^4$	-780		
$-9x^4 - 15x^3y - 9x^2y^2 - 5xy^3 + 6y^4$	-792		
$-9x^4 + 15x^3y - 9x^2y^2 + 5xy^3 + 6y^4$	-792		
$-6x^4 - 5x^3y + 9x^2y^2 - 15xy^3 + 9y^4$	-792		
$-6x^4 + 11y^4$	-792		
$-6x^4 + 5x^3y + 9x^2y^2 + 15xy^3 + 9y^4$	-792		
$-3x^4 + 22y^4$	-792		
$-2x^4 + 33y^4$	-792	(2, 1) (2, -1)	
$-x^4 - x^3y - 8xy^3 + 64y^4$	-792		(1, 0)
$-x^4 + 66y^4$	-792		(1, 0)
$-x^4 + x^3y + 8xy^3 + 64y^4$	-792		(1, 0)
$x^4 - x^3y - 8xy^3 - 64y^4$	-792	(1, 0)	
$x^4 - 66y^4$	-792	(1, 0)	
$x^4 + x^3y + 8xy^3 - 64y^4$	-792	(1, 0)	
$2x^4 - 33y^4$	-792		(2, 1) (2, -1)
$3x^4 - 22y^4$	-792		
$6x^4 - 5x^3y - 9x^2y^2 - 15xy^3 - 9y^4$	-792		
$6x^4 - 11y^4$	-792		
$6x^4 + 5x^3y - 9x^2y^2 + 15xy^3 - 9y^4$	-792		
$9x^4 - 15x^3y + 9x^2y^2 - 5xy^3 - 6y^4$	-792		
$9x^4 + 15x^3y + 9x^2y^2 + 5xy^3 - 6y^4$	-792		
$-10x^4 + 20x^3y - 15x^2y^2 + 5xy^3 + 6y^4$	-795		
$-8x^4 - 3x^3y - 3xy^3 + 8y^4$	-795		
$-8x^4 + 3x^3y + 3xy^3 + 8y^4$	-795		
$-6x^4 - 11x^3y - 11xy^3 + 6y^4$	-795		
$-6x^4 - 5x^3y + 15x^2y^2 - 20xy^3 + 10y^4$	-795		
$-6x^4 + 5x^3y + 15x^2y^2 + 20xy^3 + 10y^4$	-795		
$-6x^4 + 11x^3y + 11xy^3 + 6y^4$	-795		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 33y^4$	-795		
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 33y^4$	-795		
$6x^4 - 11x^3y - 11xy^3 - 6y^4$	-795		
$6x^4 - 5x^3y - 15x^2y^2 - 20xy^3 - 10y^4$	-795		
$6x^4 + 5x^3y - 15x^2y^2 + 20xy^3 - 10y^4$	-795		
$6x^4 + 11x^3y + 11xy^3 - 6y^4$	-795		
$8x^4 - 3x^3y - 3xy^3 - 8y^4$	-795		
$8x^4 + 3x^3y + 3xy^3 - 8y^4$	-795		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$10x^4 + 20x^3y + 15x^2y^2 + 5xy^3 - 6y^4$	-795	(1, 0)	(1, 0)
$-x^4 + 67y^4$	-804		
$x^4 - 67y^4$	-804		
$-5x^4 - 7x^3y + 9x^2y^2 + 32xy^3 + 26y^4$	-807		
$-5x^4 + 7x^3y + 9x^2y^2 - 32xy^3 + 26y^4$	-807		
$5x^4 - 7x^3y - 9x^2y^2 + 32xy^3 - 26y^4$	-807		
$5x^4 + 7x^3y - 9x^2y^2 - 32xy^3 - 26y^4$	-807		
$-10x^4 - 3x^3y + 6x^2y^2 + 12xy^3 + 8y^4$	-816		
$-10x^4 + 3x^3y + 6x^2y^2 - 12xy^3 + 8y^4$	-816		
$-8x^4 - 12x^3y - 6x^2y^2 + 3xy^3 + 10y^4$	-816		
$-8x^4 - 12x^3y + 6x^2y^2 + 27xy^3 + 19y^4$	-816		
$-8x^4 + 12x^3y - 6x^2y^2 - 3xy^3 + 10y^4$	-816		
$-8x^4 + 12x^3y + 6x^2y^2 - 27xy^3 + 19y^4$	-816		
$-7x^4 - 12x^3y + 6x^2y^2 - 12xy^3 + 5y^4$	-816		
$-7x^4 + 12x^3y + 6x^2y^2 + 12xy^3 + 5y^4$	-816		
$-5x^4 - 9x^3y + 21x^2y^2 + 69xy^3 + 52y^4$	-816		
$-5x^4 - 8x^3y + 16xy^3 + 20y^4$	-816		
$-5x^4 + 8x^3y - 16xy^3 + 20y^4$	-816		
$-5x^4 + 9x^3y + 21x^2y^2 - 69xy^3 + 52y^4$	-816		
$-4x^4 + 17y^4$	-816		
$-3x^4 - 4x^3y + 6x^2y^2 + 28xy^3 + 33y^4$	-816	(1, 0)	(1, 0)
$-3x^4 + 4x^3y + 6x^2y^2 - 28xy^3 + 33y^4$	-816		
$-2x^4 - 3x^3y + 27x^2y^2 - 57xy^3 + 43y^4$	-816		
$-2x^4 + 3x^3y + 27x^2y^2 + 57xy^3 + 43y^4$	-816		
$-x^4 + 68y^4$	-816		
$x^4 - 68y^4$	-816		
$2x^4 - 3x^3y - 27x^2y^2 - 57xy^3 - 43y^4$	-816		
$2x^4 + 3x^3y - 27x^2y^2 + 57xy^3 - 43y^4$	-816		
$3x^4 - 4x^3y - 6x^2y^2 + 28xy^3 - 33y^4$	-816		
$3x^4 + 4x^3y - 6x^2y^2 - 28xy^3 - 33y^4$	-816		
$4x^4 - 17y^4$	-816		
$5x^4 - 9x^3y - 21x^2y^2 + 69xy^3 - 52y^4$	-816		
$5x^4 - 8x^3y + 16xy^3 - 20y^4$	-816		
$5x^4 + 8x^3y - 16xy^3 - 20y^4$	-816		
$5x^4 + 9x^3y - 21x^2y^2 - 69xy^3 - 52y^4$	-816		
$7x^4 - 12x^3y - 6x^2y^2 - 12xy^3 - 5y^4$	-816		
$7x^4 + 12x^3y - 6x^2y^2 + 12xy^3 - 5y^4$	-816		
$8x^4 - 12x^3y - 6x^2y^2 + 27xy^3 - 19y^4$	-816		
$8x^4 - 12x^3y + 6x^2y^2 + 3xy^3 - 10y^4$	-816		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$8x^4 + 12x^3y - 6x^2y^2 - 27xy^3 - 19y^4$	-816		
$8x^4 + 12x^3y + 6x^2y^2 - 3xy^3 - 10y^4$	-816		
$10x^4 - 3x^3y - 6x^2y^2 + 12xy^3 - 8y^4$	-816		
$10x^4 + 3x^3y - 6x^2y^2 - 12xy^3 - 8y^4$	-816		
$-11x^4 - 21x^3y - 15x^2y^2 - 4xy^3 + 6y^4$	-819		
$-11x^4 + 21x^3y - 15x^2y^2 + 4xy^3 + 6y^4$	-819		
$-10x^4 - 12x^3y - 3x^2y^2 + 7xy^3 + 9y^4$	-819	(1, -1)	
$-10x^4 + 12x^3y - 3x^2y^2 - 7xy^3 + 9y^4$	-819	(1, 1)	
$-9x^4 - 7x^3y + 3x^2y^2 + 12xy^3 + 10y^4$	-819		(1, -1)
$-9x^4 + 7x^3y + 3x^2y^2 - 12xy^3 + 10y^4$	-819		(1, 1)
$-6x^4 - 4x^3y + 15x^2y^2 - 21xy^3 + 11y^4$	-819		
$-6x^4 + 4x^3y + 15x^2y^2 + 21xy^3 + 11y^4$	-819		
$-6x^4 + 12x^3y - 9x^2y^2 + 3xy^3 + 11y^4$	-819		
$-5x^4 - 7x^3y + 18x^2y^2 - 23xy^3 + 11y^4$	-819		
$-5x^4 + 7x^3y + 18x^2y^2 + 23xy^3 + 11y^4$	-819		
$-4x^4 - 7x^3y + 21x^2y^2 - 28xy^3 + 14y^4$	-819		
$-4x^4 + 7x^3y + 21x^2y^2 + 28xy^3 + 14y^4$	-819		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 34y^4$	-819		
$-x^4 - x^3y + 102x^2y^2 - 529xy^3 + 803y^4$	-819		(4, 1) (1, 0)
$-x^4 - x^3y + 135x^2y^2 - 804xy^3 + 1386y^4$	-819		(1, 0)
$-x^4 + x^3y + 102x^2y^2 + 529xy^3 + 803y^4$	-819		(4, -1) (1, 0)
$-x^4 + x^3y + 135x^2y^2 + 804xy^3 + 1386y^4$	-819		(1, 0)
$x^4 - x^3y - 135x^2y^2 - 804xy^3 - 1386y^4$	-819	(1, 0)	
$x^4 - x^3y - 102x^2y^2 - 529xy^3 - 803y^4$	-819	(4, -1) (1, 0)	
$x^4 + x^3y - 135x^2y^2 + 804xy^3 - 1386y^4$	-819	(1, 0)	
$x^4 + x^3y - 102x^2y^2 + 529xy^3 - 803y^4$	-819	(4, 1) (1, 0)	
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 34y^4$	-819		
$4x^4 - 7x^3y - 21x^2y^2 - 28xy^3 - 14y^4$	-819		
$4x^4 + 7x^3y - 21x^2y^2 + 28xy^3 - 14y^4$	-819		
$5x^4 - 7x^3y - 18x^2y^2 - 23xy^3 - 11y^4$	-819		
$5x^4 + 7x^3y - 18x^2y^2 + 23xy^3 - 11y^4$	-819		
$6x^4 - 4x^3y - 15x^2y^2 - 21xy^3 - 11y^4$	-819		
$6x^4 + 4x^3y - 15x^2y^2 + 21xy^3 - 11y^4$	-819		
$6x^4 + 12x^3y + 9x^2y^2 + 3xy^3 - 11y^4$	-819		
$9x^4 - 7x^3y - 3x^2y^2 + 12xy^3 - 10y^4$	-819	(1, 1)	
$9x^4 + 7x^3y - 3x^2y^2 - 12xy^3 - 10y^4$	-819	(1, -1)	
$10x^4 - 12x^3y + 3x^2y^2 + 7xy^3 - 9y^4$	-819		(1, 1)
$10x^4 + 12x^3y + 3x^2y^2 - 7xy^3 - 9y^4$	-819		(1, -1)
$11x^4 - 21x^3y + 15x^2y^2 - 4xy^3 - 6y^4$	-819		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$11x^4 + 21x^3y + 15x^2y^2 + 4xy^3 - 6y^4$	-819		
$-4x^4 - 3x^3y - 6xy^3 + 16y^4$	-822		
$-4x^4 + 3x^3y + 6xy^3 + 16y^4$	-822		
$-x^4 - x^3y + 51x^2y^2 - 197xy^3 + 236y^4$	-822		(1, 0)
$-x^4 + x^3y + 51x^2y^2 + 197xy^3 + 236y^4$	-822		(1, 0)
$x^4 - x^3y - 51x^2y^2 - 197xy^3 - 236y^4$	-822	(1, 0)	
$x^4 + x^3y - 51x^2y^2 + 197xy^3 - 236y^4$	-822	(1, 0)	
$4x^4 - 3x^3y - 6xy^3 - 16y^4$	-822		
$4x^4 + 3x^3y + 6xy^3 - 16y^4$	-822		
$-9x^4 - 7x^3y + 7xy^3 + 9y^4$	-825		
$-9x^4 + 7x^3y - 7xy^3 + 9y^4$	-825		
$-8x^4 - 6x^3y + 3x^2y^2 - 9xy^3 + 7y^4$	-825		
$-8x^4 + 6x^3y + 3x^2y^2 + 9xy^3 + 7y^4$	-825		
$-7x^4 - 9x^3y - 3x^2y^2 - 6xy^3 + 8y^4$	-825		
$-7x^4 + 9x^3y - 3x^2y^2 + 6xy^3 + 8y^4$	-825		
$-6x^4 - x^3y + 3x^2y^2 + 10xy^3 + 12y^4$	-825		
$-6x^4 + x^3y + 3x^2y^2 - 10xy^3 + 12y^4$	-825		
$-3x^4 - 5x^3y - 3x^2y^2 + 2xy^3 + 24y^4$	-825		
$-3x^4 + 5x^3y - 3x^2y^2 - 2xy^3 + 24y^4$	-825		
$-2x^4 - 3x^3y + 3x^2y^2 - 18xy^3 + 28y^4$	-825		
$-2x^4 + 3x^3y + 3x^2y^2 + 18xy^3 + 28y^4$	-825		
$2x^4 - 3x^3y - 3x^2y^2 - 18xy^3 - 28y^4$	-825		
$2x^4 + 3x^3y - 3x^2y^2 + 18xy^3 - 28y^4$	-825		
$3x^4 - 5x^3y + 3x^2y^2 + 2xy^3 - 24y^4$	-825		
$3x^4 + 5x^3y + 3x^2y^2 - 2xy^3 - 24y^4$	-825		
$6x^4 - x^3y - 3x^2y^2 + 10xy^3 - 12y^4$	-825		
$6x^4 + x^3y - 3x^2y^2 - 10xy^3 - 12y^4$	-825		
$7x^4 - 9x^3y + 3x^2y^2 - 6xy^3 - 8y^4$	-825		
$7x^4 + 9x^3y + 3x^2y^2 + 6xy^3 - 8y^4$	-825		
$8x^4 - 6x^3y - 3x^2y^2 - 9xy^3 - 7y^4$	-825		
$8x^4 + 6x^3y - 3x^2y^2 + 9xy^3 - 7y^4$	-825		
$9x^4 - 7x^3y + 7xy^3 - 9y^4$	-825		
$9x^4 + 7x^3y - 7xy^3 - 9y^4$	-825		
$-9x^4 - 15x^3y + 20xy^3 + 16y^4$	-828		
$-9x^4 + 15x^3y - 20xy^3 + 16y^4$	-828		
$-5x^4 - 6x^3y + 18x^2y^2 - 24xy^3 + 12y^4$	-828		
$-5x^4 + 6x^3y + 18x^2y^2 + 24xy^3 + 12y^4$	-828		
$-4x^4 + 8x^3y - 6x^2y^2 + 2xy^3 + 17y^4$	-828		
$-3x^4 - 4x^3y + 12xy^3 + 27y^4$	-828		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-3x^4 + 23y^4$	-828		
$-3x^4 + 4x^3y - 12xy^3 + 27y^4$	-828		
$-2x^4 - 3x^3y + 30x^2y^2 - 64xy^3 + 48y^4$	-828		
$-2x^4 + 3x^3y + 30x^2y^2 + 64xy^3 + 48y^4$	-828		
$-x^4 - x^3y + 9x^2y^2 + 49xy^3 + 88y^4$	-828		(1, 0)
$-x^4 + 69y^4$	-828		(1, 0)
$-x^4 + x^3y + 9x^2y^2 - 49xy^3 + 88y^4$	-828		(1, 0)
$x^4 - x^3y - 9x^2y^2 + 49xy^3 - 88y^4$	-828	(1, 0)	
$x^4 - 69y^4$	-828	(1, 0)	
$x^4 + x^3y - 9x^2y^2 - 49xy^3 - 88y^4$	-828	(1, 0)	
$2x^4 - 3x^3y - 30x^2y^2 - 64xy^3 - 48y^4$	-828		
$2x^4 + 3x^3y - 30x^2y^2 + 64xy^3 - 48y^4$	-828		
$3x^4 - 4x^3y + 12xy^3 - 27y^4$	-828		
$3x^4 - 23y^4$	-828		
$3x^4 + 4x^3y - 12xy^3 - 27y^4$	-828		
$4x^4 + 8x^3y + 6x^2y^2 + 2xy^3 - 17y^4$	-828		
$5x^4 - 6x^3y - 18x^2y^2 - 24xy^3 - 12y^4$	-828		
$5x^4 + 6x^3y - 18x^2y^2 + 24xy^3 - 12y^4$	-828		
$9x^4 - 15x^3y + 20xy^3 - 16y^4$	-828		
$9x^4 + 15x^3y - 20xy^3 - 16y^4$	-828		
$-7x^4 - 9x^3y - 9xy^3 + 7y^4$	-831		
$-7x^4 + 9x^3y + 9xy^3 + 7y^4$	-831		
$7x^4 - 9x^3y - 9xy^3 - 7y^4$	-831		
$7x^4 + 9x^3y + 9xy^3 - 7y^4$	-831		
$-11x^4 - 19x^3y - 12x^2y^2 - xy^3 + 7y^4$	-837		
$-11x^4 + 19x^3y - 12x^2y^2 + xy^3 + 7y^4$	-837		
$-10x^4 - 11x^3y + 11xy^3 + 10y^4$	-837		
$-10x^4 + 11x^3y - 11xy^3 + 10y^4$	-837		
$-7x^4 - x^3y + 12x^2y^2 - 19xy^3 + 11y^4$	-837		
$-7x^4 + x^3y + 12x^2y^2 + 19xy^3 + 11y^4$	-837		
$-4x^4 - 6x^3y + 27x^2y^2 + 81xy^3 + 63y^4$	-837		
$-4x^4 + 6x^3y + 27x^2y^2 - 81xy^3 + 63y^4$	-837		
$-x^4 - x^3y + 30x^2y^2 - 103xy^3 + 119y^4$	-837		(1, 0)
$-x^4 + x^3y + 30x^2y^2 + 103xy^3 + 119y^4$	-837		(1, 0)
$x^4 - x^3y - 30x^2y^2 - 103xy^3 - 119y^4$	-837	(1, 0)	
$x^4 + x^3y - 30x^2y^2 + 103xy^3 - 119y^4$	-837	(1, 0)	
$4x^4 - 6x^3y - 27x^2y^2 + 81xy^3 - 63y^4$	-837		
$4x^4 + 6x^3y - 27x^2y^2 - 81xy^3 - 63y^4$	-837		
$7x^4 - x^3y - 12x^2y^2 - 19xy^3 - 11y^4$	-837		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$7x^4 + x^3y - 12x^2y^2 + 19xy^3 - 11y^4$	-837		
$10x^4 - 11x^3y + 11xy^3 - 10y^4$	-837		
$10x^4 + 11x^3y - 11xy^3 - 10y^4$	-837		
$11x^4 - 19x^3y + 12x^2y^2 - xy^3 - 7y^4$	-837		
$11x^4 + 19x^3y + 12x^2y^2 + xy^3 - 7y^4$	-837		
$-10x^4 + 7y^4$	-840		
$-7x^4 + 10y^4$	-840		
$-5x^4 + 14y^4$	-840		
$-4x^4 - 4x^3y + 12x^2y^2 - 22xy^3 + 15y^4$	-840		
$-4x^4 + 4x^3y + 12x^2y^2 + 22xy^3 + 15y^4$	-840		
$-2x^4 + 35y^4$	-840		
$-x^4 + 70y^4$	-840		(1, 0)
$-x^4 + 2x^3y + 12x^2y^2 - 70xy^3 + 117y^4$	-840		(1, 0)
$-x^4 + 2x^3y + 12x^2y^2 + 44xy^3 + 60y^4$	-840		(1, 0)
$x^4 - 70y^4$	-840	(1, 0)	
$x^4 + 2x^3y - 12x^2y^2 - 70xy^3 - 117y^4$	-840	(1, 0)	
$x^4 + 2x^3y - 12x^2y^2 + 44xy^3 - 60y^4$	-840	(1, 0)	
$2x^4 - 35y^4$	-840		
$4x^4 - 4x^3y - 12x^2y^2 - 22xy^3 - 15y^4$	-840		
$4x^4 + 4x^3y - 12x^2y^2 + 22xy^3 - 15y^4$	-840		
$5x^4 - 14y^4$	-840		
$7x^4 - 10y^4$	-840		
$10x^4 - 7y^4$	-840		
$-8x^4 - 5x^3y - 5xy^3 + 8y^4$	-843		
$-8x^4 + 5x^3y + 5xy^3 + 8y^4$	-843		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 35y^4$	-843		
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 35y^4$	-843		
$8x^4 - 5x^3y - 5xy^3 - 8y^4$	-843		
$8x^4 + 5x^3y + 5xy^3 - 8y^4$	-843		
$-8x^4 - 14x^3y + 21xy^3 + 18y^4$	-846		
$-8x^4 + 14x^3y - 21xy^3 + 18y^4$	-846		
$-3x^4 - x^3y + 21x^2y^2 + 51xy^3 + 40y^4$	-846		
$-3x^4 + x^3y + 21x^2y^2 - 51xy^3 + 40y^4$	-846		
$-2x^4 - x^3y + 9x^2y^2 - 29xy^3 + 35y^4$	-846		
$-2x^4 + x^3y + 9x^2y^2 + 29xy^3 + 35y^4$	-846		
$2x^4 - x^3y - 9x^2y^2 - 29xy^3 - 35y^4$	-846		
$2x^4 + x^3y - 9x^2y^2 + 29xy^3 - 35y^4$	-846		
$3x^4 - x^3y - 21x^2y^2 + 51xy^3 - 40y^4$	-846		
$3x^4 + x^3y - 21x^2y^2 - 51xy^3 - 40y^4$	-846		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$8x^4 - 14x^3y + 21xy^3 - 18y^4$	-846	(1, 0)	(1, 0)
$8x^4 + 14x^3y - 21xy^3 - 18y^4$	-846		
$-x^4 + 71y^4$	-852		
$x^4 - 71y^4$	-852		
$-6x^4 - 5x^3y + 9x^2y^2 + 24xy^3 + 18y^4$	-855		
$-6x^4 + 5x^3y + 9x^2y^2 - 24xy^3 + 18y^4$	-855		
$-2x^4 - x^3y + 54x^2y^2 + 183xy^3 + 180y^4$	-855		
$-2x^4 + 3x^2y^2 - 17xy^3 + 36y^4$	-855		
$-2x^4 + 3x^2y^2 + 17xy^3 + 36y^4$	-855		
$-2x^4 + x^3y + 54x^2y^2 - 183xy^3 + 180y^4$	-855		
$2x^4 - x^3y - 54x^2y^2 + 183xy^3 - 180y^4$	-855		
$2x^4 - 3x^2y^2 - 17xy^3 - 36y^4$	-855		
$2x^4 - 3x^2y^2 + 17xy^3 - 36y^4$	-855		
$2x^4 + x^3y - 54x^2y^2 - 183xy^3 - 180y^4$	-855		
$6x^4 - 5x^3y - 9x^2y^2 + 24xy^3 - 18y^4$	-855		
$6x^4 + 5x^3y - 9x^2y^2 - 24xy^3 - 18y^4$	-855		
$-11x^4 - 20x^3y - 12x^2y^2 - 8xy^3 + 4y^4$	-864	(1, 1) (1, -1)	(1, 1) (1, -1)
$-11x^4 + 20x^3y - 12x^2y^2 + 8xy^3 + 4y^4$	-864		
$-9x^4 + 8y^4$	-864		
$-8x^4 + 9y^4$	-864		
$-5x^4 - 4x^3y + 6x^2y^2 + 20xy^3 + 19y^4$	-864		
$-5x^4 + 4x^3y + 6x^2y^2 - 20xy^3 + 19y^4$	-864		
$-4x^4 + 36x^2y^2 - 72xy^3 + 45y^4$	-864		
$-4x^4 + 36x^2y^2 + 72xy^3 + 45y^4$	-864		
$-4x^4 + 8x^3y + 12x^2y^2 - 52xy^3 + 47y^4$	-864		
$-4x^4 + 8x^3y + 12x^2y^2 + 20xy^3 + 11y^4$	-864		
$-x^4 + 72y^4$	-864		(1, 0)
$-x^4 + 18x^2y^2 - 72xy^3 + 99y^4$	-864		(1, 0)
$-x^4 + 18x^2y^2 + 72xy^3 + 99y^4$	-864		(1, 0)
$-x^4 + 36x^2y^2 - 144xy^3 + 180y^4$	-864		(1, 0)
$-x^4 + 36x^2y^2 + 144xy^3 + 180y^4$	-864		(1, 0)
$-x^4 + 2x^3y - 18xy^3 + 81y^4$	-864		(1, 0)
$-x^4 + 2x^3y + 16xy^3 + 64y^4$	-864		(1, 0)
$x^4 - 36x^2y^2 - 144xy^3 - 180y^4$	-864	(1, 0)	(1, 0)
$x^4 - 36x^2y^2 + 144xy^3 - 180y^4$	-864	(1, 0)	
$x^4 - 18x^2y^2 - 72xy^3 - 99y^4$	-864	(1, 0)	
$x^4 - 18x^2y^2 + 72xy^3 - 99y^4$	-864	(1, 0)	
$x^4 - 72y^4$	-864	(1, 0)	
$x^4 + 2x^3y - 18xy^3 - 81y^4$	-864	(1, 0)	

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$x^4 + 2x^3y + 16xy^3 - 64y^4$	-864	(1, 0)	
$4x^4 - 36x^2y^2 - 72xy^3 - 45y^4$	-864		
$4x^4 - 36x^2y^2 + 72xy^3 - 45y^4$	-864		
$4x^4 + 8x^3y - 12x^2y^2 - 52xy^3 - 47y^4$	-864		
$4x^4 + 8x^3y - 12x^2y^2 + 20xy^3 - 11y^4$	-864		
$5x^4 - 4x^3y - 6x^2y^2 + 20xy^3 - 19y^4$	-864		
$5x^4 + 4x^3y - 6x^2y^2 - 20xy^3 - 19y^4$	-864		
$8x^4 - 9y^4$	-864		(1, 1) (1, -1)
$9x^4 - 8y^4$	-864	(1, 1) (1, -1)	
$11x^4 - 20x^3y + 12x^2y^2 - 8xy^3 - 4y^4$	-864		
$11x^4 + 20x^3y + 12x^2y^2 + 8xy^3 - 4y^4$	-864		
$-4x^4 - x^3y + 21x^2y^2 + 44xy^3 + 30y^4$	-867		
$-4x^4 + x^3y + 21x^2y^2 - 44xy^3 + 30y^4$	-867		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 36y^4$	-867		
$-x^4 - x^3y + 6x^2y^2 - 33xy^3 + 67y^4$	-867	(2, 1)	(1, 0)
$-x^4 + x^3y + 6x^2y^2 + 33xy^3 + 67y^4$	-867	(2, -1)	(1, 0)
$x^4 - x^3y - 6x^2y^2 - 33xy^3 - 67y^4$	-867	(1, 0)	(2, -1)
$x^4 + x^3y - 6x^2y^2 + 33xy^3 - 67y^4$	-867	(1, 0)	(2, 1)
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 36y^4$	-867		
$4x^4 - x^3y - 21x^2y^2 + 44xy^3 - 30y^4$	-867		
$4x^4 + x^3y - 21x^2y^2 - 44xy^3 - 30y^4$	-867		
$-11x^4 - 17x^3y - 9x^2y^2 + 2xy^3 + 8y^4$	-873		
$-11x^4 + 17x^3y - 9x^2y^2 - 2xy^3 + 8y^4$	-873		
$-8x^4 - 14x^3y + 9x^2y^2 + 39xy^3 + 27y^4$	-873		
$-8x^4 - 2x^3y + 9x^2y^2 + 17xy^3 + 11y^4$	-873		
$-8x^4 + 2x^3y + 9x^2y^2 - 17xy^3 + 11y^4$	-873		
$-8x^4 + 14x^3y + 9x^2y^2 - 39xy^3 + 27y^4$	-873		
$-3x^4 - x^3y + 12x^2y^2 + 33xy^3 + 31y^4$	-873		
$-3x^4 - x^3y + 45x^2y^2 - 102xy^3 + 72y^4$	-873		
$-3x^4 + x^3y + 12x^2y^2 - 33xy^3 + 31y^4$	-873		
$-3x^4 + x^3y + 45x^2y^2 + 102xy^3 + 72y^4$	-873		
$-2x^4 - x^3y + 9x^2y^2 + 34xy^3 + 44y^4$	-873		
$-2x^4 - x^3y + 18x^2y^2 - 47xy^3 + 44y^4$	-873		
$-2x^4 + x^3y + 9x^2y^2 - 34xy^3 + 44y^4$	-873		
$-2x^4 + x^3y + 18x^2y^2 + 47xy^3 + 44y^4$	-873		
$2x^4 - x^3y - 18x^2y^2 - 47xy^3 - 44y^4$	-873		
$2x^4 - x^3y - 9x^2y^2 + 34xy^3 - 44y^4$	-873		
$2x^4 + x^3y - 18x^2y^2 + 47xy^3 - 44y^4$	-873		
$2x^4 + x^3y - 9x^2y^2 - 34xy^3 - 44y^4$	-873		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$3x^4 - x^3y - 45x^2y^2 - 102xy^3 - 72y^4$	-873		
$3x^4 - x^3y - 12x^2y^2 + 33xy^3 - 31y^4$	-873		
$3x^4 + x^3y - 45x^2y^2 + 102xy^3 - 72y^4$	-873		
$3x^4 + x^3y - 12x^2y^2 - 33xy^3 - 31y^4$	-873		
$8x^4 - 14x^3y - 9x^2y^2 + 39xy^3 - 27y^4$	-873		
$8x^4 - 2x^3y - 9x^2y^2 + 17xy^3 - 11y^4$	-873		
$8x^4 + 2x^3y - 9x^2y^2 - 17xy^3 - 11y^4$	-873		
$8x^4 + 14x^3y - 9x^2y^2 - 39xy^3 - 27y^4$	-873		
$11x^4 - 17x^3y + 9x^2y^2 + 2xy^3 - 8y^4$	-873		
$11x^4 + 17x^3y + 9x^2y^2 - 2xy^3 - 8y^4$	-873		
$-3x^4 - 4x^3y + 30x^2y^2 - 52xy^3 + 32y^4$	-876		
$-3x^4 + 4x^3y + 30x^2y^2 + 52xy^3 + 32y^4$	-876		
$-2x^4 - 3x^3y - 12xy^3 + 32y^4$	-876		
$-2x^4 + 3x^3y + 12xy^3 + 32y^4$	-876		
$-x^4 + 73y^4$	-876		(1, 0)
$x^4 - 73y^4$	-876	(1, 0)	
$2x^4 - 3x^3y - 12xy^3 - 32y^4$	-876		
$2x^4 + 3x^3y + 12xy^3 - 32y^4$	-876		
$3x^4 - 4x^3y - 30x^2y^2 - 52xy^3 - 32y^4$	-876		
$3x^4 + 4x^3y - 30x^2y^2 + 52xy^3 - 32y^4$	-876		
$-x^4 - x^3y + 108x^2y^2 - 577xy^3 + 901y^4$	-879	(4, 1)	(1, 0)
$-x^4 + x^3y + 108x^2y^2 + 577xy^3 + 901y^4$	-879	(4, -1)	(1, 0)
$x^4 - x^3y - 108x^2y^2 - 577xy^3 - 901y^4$	-879	(1, 0)	(4, -1)
$x^4 + x^3y - 108x^2y^2 + 577xy^3 - 901y^4$	-879	(1, 0)	(4, 1)
$-9x^4 - 15x^3y - 10xy^3 + 4y^4$	-882		
$-9x^4 + 15x^3y + 10xy^3 + 4y^4$	-882		
$-4x^4 - 6x^3y + 6x^2y^2 + 29xy^3 + 30y^4$	-882		
$-4x^4 + 6x^3y + 6x^2y^2 - 29xy^3 + 30y^4$	-882		
$-x^4 - x^3y + 9x^2y^2 - 41xy^3 + 70y^4$	-882		(1, 0)
$-x^4 + x^3y + 9x^2y^2 + 41xy^3 + 70y^4$	-882		(1, 0)
$x^4 - x^3y - 9x^2y^2 - 41xy^3 - 70y^4$	-882	(1, 0)	
$x^4 + x^3y - 9x^2y^2 + 41xy^3 - 70y^4$	-882	(1, 0)	
$4x^4 - 6x^3y - 6x^2y^2 + 29xy^3 - 30y^4$	-882		
$4x^4 + 6x^3y - 6x^2y^2 - 29xy^3 - 30y^4$	-882		
$9x^4 - 15x^3y - 10xy^3 - 4y^4$	-882		
$9x^4 + 15x^3y + 10xy^3 - 4y^4$	-882		
$-9x^4 - 5x^3y + 6x^2y^2 - 11xy^3 + 7y^4$	-885		
$-9x^4 + 5x^3y + 6x^2y^2 + 11xy^3 + 7y^4$	-885		
$-7x^4 - 11x^3y - 6x^2y^2 - 5xy^3 + 9y^4$	-885		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-7x^4 + 11x^3y - 6x^2y^2 + 5xy^3 + 9y^4$	-885	(1, 0)	(1, 0)
$-3x^4 - x^3y + 15x^2y^2 - 34xy^3 + 28y^4$	-885		
$-3x^4 + x^3y + 15x^2y^2 + 34xy^3 + 28y^4$	-885		
$3x^4 - x^3y - 15x^2y^2 - 34xy^3 - 28y^4$	-885		
$3x^4 + x^3y - 15x^2y^2 + 34xy^3 - 28y^4$	-885		
$7x^4 - 11x^3y + 6x^2y^2 - 5xy^3 - 9y^4$	-885		
$7x^4 + 11x^3y + 6x^2y^2 + 5xy^3 - 9y^4$	-885		
$9x^4 - 5x^3y - 6x^2y^2 - 11xy^3 - 7y^4$	-885		
$9x^4 + 5x^3y - 6x^2y^2 + 11xy^3 - 7y^4$	-885		
$-7x^4 - 10x^3y - 10xy^3 + 7y^4$	-888		
$-7x^4 + 10x^3y + 10xy^3 + 7y^4$	-888		
$-5x^4 - 6x^3y + 12x^2y^2 + 36xy^3 + 28y^4$	-888		
$-5x^4 + 6x^3y + 12x^2y^2 - 36xy^3 + 28y^4$	-888		
$-2x^4 + 37y^4$	-888		
$-x^4 + 74y^4$	-888		
$x^4 - 74y^4$	-888		
$2x^4 - 37y^4$	-888		
$5x^4 - 6x^3y - 12x^2y^2 + 36xy^3 - 28y^4$	-888		
$5x^4 + 6x^3y - 12x^2y^2 - 36xy^3 - 28y^4$	-888		
$7x^4 - 10x^3y - 10xy^3 - 7y^4$	-888		
$7x^4 + 10x^3y + 10xy^3 - 7y^4$	-888		
$-2x^4 - 3x^3y + 54x^2y^2 - 135xy^3 + 108y^4$	-891		
$-2x^4 + 3x^3y + 54x^2y^2 + 135xy^3 + 108y^4$	-891		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 37y^4$	-891		
$-2x^4 + 4x^3y + 9x^2y^2 - 49xy^3 + 65y^4$	-891		
$-2x^4 + 4x^3y + 9x^2y^2 + 27xy^3 + 27y^4$	-891		
$2x^4 - 3x^3y - 54x^2y^2 - 135xy^3 - 108y^4$	-891		
$2x^4 + 3x^3y - 54x^2y^2 + 135xy^3 - 108y^4$	-891		
$2x^4 + 4x^3y - 9x^2y^2 - 49xy^3 - 65y^4$	-891		
$2x^4 + 4x^3y - 9x^2y^2 + 27xy^3 - 27y^4$	-891		
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 37y^4$	-891		
$-9x^4 - 5x^3y + 5xy^3 + 9y^4$	-897		
$-9x^4 + 5x^3y - 5xy^3 + 9y^4$	-897		
$-6x^4 - 7x^3y - 3x^2y^2 - 2xy^3 + 12y^4$	-897		
$-6x^4 + 7x^3y - 3x^2y^2 + 2xy^3 + 12y^4$	-897		
$-3x^4 - x^3y + 3x^2y^2 - 14xy^3 + 24y^4$	-897		
$-3x^4 + x^3y + 3x^2y^2 + 14xy^3 + 24y^4$	-897		
$3x^4 - x^3y - 3x^2y^2 - 14xy^3 - 24y^4$	-897		
$3x^4 + x^3y - 3x^2y^2 + 14xy^3 - 24y^4$	-897		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$6x^4 - 7x^3y + 3x^2y^2 - 2xy^3 - 12y^4$	-897	(1, 0)	(1, 0)
$6x^4 + 7x^3y + 3x^2y^2 + 2xy^3 - 12y^4$	-897		
$9x^4 - 5x^3y + 5xy^3 - 9y^4$	-897		
$9x^4 + 5x^3y - 5xy^3 - 9y^4$	-897		
$-3x^4 + 25y^4$	-900		
$-x^4 + 75y^4$	-900		
$x^4 - 75y^4$	-900		
$3x^4 - 25y^4$	-900		
$-2x^4 + 27x^2y^2 - 75xy^3 + 68y^4$	-903		
$-2x^4 + 27x^2y^2 + 75xy^3 + 68y^4$	-903		
$2x^4 - 27x^2y^2 - 75xy^3 - 68y^4$	-903		
$2x^4 - 27x^2y^2 + 75xy^3 - 68y^4$	-903		
$-8x^4 - 13x^3y + 9x^2y^2 - 13xy^3 + 5y^4$	-906		
$-8x^4 + 13x^3y + 9x^2y^2 + 13xy^3 + 5y^4$	-906		
$-5x^4 - 7x^3y + 14xy^3 + 20y^4$	-906		
$-5x^4 + 7x^3y - 14xy^3 + 20y^4$	-906		
$5x^4 - 7x^3y + 14xy^3 - 20y^4$	-906		
$5x^4 + 7x^3y - 14xy^3 - 20y^4$	-906		
$8x^4 - 13x^3y - 9x^2y^2 - 13xy^3 - 5y^4$	-906		
$8x^4 + 13x^3y - 9x^2y^2 + 13xy^3 - 5y^4$	-906		
$-9x^4 - 4x^3y + 12x^2y^2 - 16xy^3 + 8y^4$	-912		
$-9x^4 + 4x^3y + 12x^2y^2 + 16xy^3 + 8y^4$	-912		
$-8x^4 + 16x^3y - 12x^2y^2 + 4xy^3 + 9y^4$	-912		
$-5x^4 - 2x^3y + 24x^2y^2 - 38xy^3 + 21y^4$	-912		
$-5x^4 + 2x^3y + 24x^2y^2 + 38xy^3 + 21y^4$	-912		
$-4x^4 + 19y^4$	-912		
$-x^4 + 76y^4$	-912		(1, 0)
$-x^4 + 54x^2y^2 - 240xy^3 + 319y^4$	-912		(1, 0)
$-x^4 + 54x^2y^2 + 240xy^3 + 319y^4$	-912		(1, 0)
$x^4 - 54x^2y^2 - 240xy^3 - 319y^4$	-912	(1, 0)	
$x^4 - 54x^2y^2 + 240xy^3 - 319y^4$	-912	(1, 0)	
$x^4 - 76y^4$	-912	(1, 0)	
$4x^4 - 19y^4$	-912		
$5x^4 - 2x^3y - 24x^2y^2 - 38xy^3 - 21y^4$	-912		
$5x^4 + 2x^3y - 24x^2y^2 + 38xy^3 - 21y^4$	-912		
$8x^4 + 16x^3y + 12x^2y^2 + 4xy^3 - 9y^4$	-912		
$9x^4 - 4x^3y - 12x^2y^2 - 16xy^3 - 8y^4$	-912		
$9x^4 + 4x^3y - 12x^2y^2 + 16xy^3 - 8y^4$	-912		
$-10x^4 - 4x^3y + 9x^2y^2 - 13xy^3 + 7y^4$	-915		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-10x^4 + 4x^3y + 9x^2y^2 + 13xy^3 + 7y^4$	-915		
$-10x^4 + 20x^3y - 15x^2y^2 + 5xy^3 + 7y^4$	-915		
$-8x^4 - 7x^3y - 7xy^3 + 8y^4$	-915		
$-8x^4 + 7x^3y + 7xy^3 + 8y^4$	-915		
$-7x^4 - 13x^3y - 9x^2y^2 - 4xy^3 + 10y^4$	-915		
$-7x^4 - 5x^3y + 15x^2y^2 - 20xy^3 + 10y^4$	-915		
$-7x^4 + 5x^3y + 15x^2y^2 + 20xy^3 + 10y^4$	-915		
$-7x^4 + 13x^3y - 9x^2y^2 + 4xy^3 + 10y^4$	-915		
$-6x^4 - 4x^3y + 3x^2y^2 + 13xy^3 + 15y^4$	-915		
$-6x^4 + 4x^3y + 3x^2y^2 - 13xy^3 + 15y^4$	-915		
$-2x^4 - x^3y + 54x^2y^2 - 157xy^3 + 140y^4$	-915		
$-2x^4 + x^3y + 54x^2y^2 + 157xy^3 + 140y^4$	-915		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 38y^4$	-915		
$2x^4 - x^3y - 54x^2y^2 - 157xy^3 - 140y^4$	-915		
$2x^4 + x^3y - 54x^2y^2 + 157xy^3 - 140y^4$	-915		
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 38y^4$	-915		
$6x^4 - 4x^3y - 3x^2y^2 + 13xy^3 - 15y^4$	-915		
$6x^4 + 4x^3y - 3x^2y^2 - 13xy^3 - 15y^4$	-915		
$7x^4 - 13x^3y + 9x^2y^2 - 4xy^3 - 10y^4$	-915		
$7x^4 - 5x^3y - 15x^2y^2 - 20xy^3 - 10y^4$	-915		
$7x^4 + 5x^3y - 15x^2y^2 + 20xy^3 - 10y^4$	-915		
$7x^4 + 13x^3y + 9x^2y^2 + 4xy^3 - 10y^4$	-915		
$8x^4 - 7x^3y - 7xy^3 - 8y^4$	-915		
$8x^4 + 7x^3y + 7xy^3 - 8y^4$	-915		
$10x^4 - 4x^3y - 9x^2y^2 - 13xy^3 - 7y^4$	-915		
$10x^4 + 4x^3y - 9x^2y^2 + 13xy^3 - 7y^4$	-915		
$10x^4 + 20x^3y + 15x^2y^2 + 5xy^3 - 7y^4$	-915		
$-4x^4 - 5x^3y - 10xy^3 + 16y^4$	-918		
$-4x^4 + 5x^3y + 10xy^3 + 16y^4$	-918		
$-2x^4 - 3x^3y + 21x^2y^2 - 47xy^3 + 39y^4$	-918		
$-2x^4 + 3x^3y + 21x^2y^2 + 47xy^3 + 39y^4$	-918		
$2x^4 - 3x^3y - 21x^2y^2 - 47xy^3 - 39y^4$	-918		
$2x^4 + 3x^3y - 21x^2y^2 + 47xy^3 - 39y^4$	-918		
$4x^4 - 5x^3y - 10xy^3 - 16y^4$	-918		
$4x^4 + 5x^3y + 10xy^3 - 16y^4$	-918		
$-11x^4 + 7y^4$	-924		
$-9x^4 - 4x^3y + 4xy^3 + 9y^4$	-924		
$-9x^4 + 4x^3y - 4xy^3 + 9y^4$	-924		
$-7x^4 + 11y^4$	-924		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-5x^4 - 9x^3y - 6x^2y^2 + 16y^4$	-924		
$-5x^4 + 9x^3y - 6x^2y^2 + 16y^4$	-924		
$-4x^4 + 8x^3y - 6x^2y^2 + 2xy^3 + 19y^4$	-924		(2, 1) (1, -1)
$-x^4 - x^3y + 63x^2y^2 + 329xy^3 + 490y^4$	-924		(1, 0)
$-x^4 + 77y^4$	-924		(1, 0)
$-x^4 + 6x^2y^2 - 36xy^3 + 80y^4$	-924		(1, 0)
$-x^4 + 6x^2y^2 + 36xy^3 + 80y^4$	-924		(1, 0)
$-x^4 + x^3y + 63x^2y^2 - 329xy^3 + 490y^4$	-924		(1, 0)
$-x^4 + 2x^3y + 114x^2y^2 - 808xy^3 + 1564y^4$	-924		(5, 1) (1, 0)
$-x^4 + 2x^3y + 114x^2y^2 + 578xy^3 + 871y^4$	-924		(4, -1) (1, 0)
$x^4 - x^3y - 63x^2y^2 + 329xy^3 - 490y^4$	-924	(1, 0)	
$x^4 - 6x^2y^2 - 36xy^3 - 80y^4$	-924	(1, 0)	
$x^4 - 6x^2y^2 + 36xy^3 - 80y^4$	-924	(1, 0)	
$x^4 - 77y^4$	-924	(1, 0)	
$x^4 + x^3y - 63x^2y^2 - 329xy^3 - 490y^4$	-924	(1, 0)	
$x^4 + 2x^3y - 114x^2y^2 - 808xy^3 - 1564y^4$	-924	(5, -1) (1, 0)	
$x^4 + 2x^3y - 114x^2y^2 + 578xy^3 - 871y^4$	-924	(4, 1) (1, 0)	
$4x^4 + 8x^3y + 6x^2y^2 + 2xy^3 - 19y^4$	-924	(2, -1) (1, 1)	
$5x^4 - 9x^3y + 6x^2y^2 - 16y^4$	-924		
$5x^4 + 9x^3y + 6x^2y^2 - 16y^4$	-924		
$7x^4 - 11y^4$	-924		
$9x^4 - 4x^3y + 4xy^3 - 9y^4$	-924		
$9x^4 + 4x^3y - 4xy^3 - 9y^4$	-924		
$11x^4 - 7y^4$	-924		
$-11x^4 - 15x^3y - 6x^2y^2 + 5xy^3 + 9y^4$	-927		
$-11x^4 + 15x^3y - 6x^2y^2 - 5xy^3 + 9y^4$	-927		
$-9x^4 - 5x^3y + 6x^2y^2 + 15xy^3 + 11y^4$	-927		
$-9x^4 + 5x^3y + 6x^2y^2 - 15xy^3 + 11y^4$	-927		
$-2x^4 + 75x^2y^2 - 265xy^3 + 273y^4$	-927		
$-2x^4 + 75x^2y^2 + 265xy^3 + 273y^4$	-927		
$2x^4 - 75x^2y^2 - 265xy^3 - 273y^4$	-927		
$2x^4 - 75x^2y^2 + 265xy^3 - 273y^4$	-927		
$9x^4 - 5x^3y - 6x^2y^2 + 15xy^3 - 11y^4$	-927		
$9x^4 + 5x^3y - 6x^2y^2 - 15xy^3 - 11y^4$	-927		
$11x^4 - 15x^3y + 6x^2y^2 + 5xy^3 - 9y^4$	-927		
$11x^4 + 15x^3y + 6x^2y^2 - 5xy^3 - 9y^4$	-927		
$-4x^4 - 6x^3y + 15xy^3 + 25y^4$	-930		
$-4x^4 + 6x^3y - 15xy^3 + 25y^4$	-930		
$-x^4 - x^3y + 3x^2y^2 - 25xy^3 + 72y^4$	-930		(1, 0)

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-x^4 + x^3y + 3x^2y^2 + 25xy^3 + 72y^4$	-930		(1, 0)
$x^4 - x^3y - 3x^2y^2 - 25xy^3 - 72y^4$	-930	(1, 0)	
$x^4 + x^3y - 3x^2y^2 + 25xy^3 - 72y^4$	-930	(1, 0)	
$4x^4 - 6x^3y + 15xy^3 - 25y^4$	-930		
$4x^4 + 6x^3y - 15xy^3 - 25y^4$	-930		
$-6x^4 + 13y^4$	-936		
$-5x^4 - 6x^3y + 12x^2y^2 - 20xy^3 + 12y^4$	-936		
$-5x^4 + 6x^3y + 12x^2y^2 + 20xy^3 + 12y^4$	-936		
$-3x^4 - 2x^3y + 6xy^3 + 27y^4$	-936		
$-3x^4 + 26y^4$	-936		
$-3x^4 + 2x^3y - 6xy^3 + 27y^4$	-936		
$-2x^4 + 39y^4$	-936		
$-x^4 + 78y^4$	-936		(1, 0)
$x^4 - 78y^4$	-936	(1, 0)	
$2x^4 - 39y^4$	-936		
$3x^4 - 2x^3y + 6xy^3 - 27y^4$	-936		
$3x^4 - 26y^4$	-936		
$3x^4 + 2x^3y - 6xy^3 - 27y^4$	-936		
$5x^4 - 6x^3y - 12x^2y^2 - 20xy^3 - 12y^4$	-936		
$5x^4 + 6x^3y - 12x^2y^2 + 20xy^3 - 12y^4$	-936		
$6x^4 - 13y^4$	-936		
$-6x^4 - 11x^3y + 3x^2y^2 + 28xy^3 + 26y^4$	-939		
$-6x^4 + 11x^3y + 3x^2y^2 - 28xy^3 + 26y^4$	-939		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 39y^4$	-939		
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 39y^4$	-939		
$6x^4 - 11x^3y - 3x^2y^2 + 28xy^3 - 26y^4$	-939		
$6x^4 + 11x^3y - 3x^2y^2 - 28xy^3 - 26y^4$	-939		
$-11x^4 - 13x^3y + 13xy^3 + 11y^4$	-945		
$-11x^4 + 13x^3y - 13xy^3 + 11y^4$	-945		
$-4x^4 - 6x^3y - 3x^2y^2 - 5xy^3 + 18y^4$	-945		
$-4x^4 + 6x^3y - 3x^2y^2 + 5xy^3 + 18y^4$	-945		
$-3x^4 - 5x^3y + 33x^2y^2 + 114xy^3 + 104y^4$	-945		
$-3x^4 + 5x^3y + 33x^2y^2 - 114xy^3 + 104y^4$	-945		
$-x^4 - x^3y + 9xy^3 + 81y^4$	-945		(1, 0)
$-x^4 + x^3y - 9xy^3 + 81y^4$	-945		(1, 0)
$x^4 - x^3y + 9xy^3 - 81y^4$	-945	(1, 0)	
$x^4 + x^3y - 9xy^3 - 81y^4$	-945	(1, 0)	
$3x^4 - 5x^3y - 33x^2y^2 + 114xy^3 - 104y^4$	-945		
$3x^4 + 5x^3y - 33x^2y^2 - 114xy^3 - 104y^4$	-945		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$4x^4 - 6x^3y + 3x^2y^2 - 5xy^3 - 18y^4$	-945	(1, 0)	(1, 0)
$4x^4 + 6x^3y + 3x^2y^2 + 5xy^3 - 18y^4$	-945		
$11x^4 - 13x^3y + 13xy^3 - 11y^4$	-945		
$11x^4 + 13x^3y - 13xy^3 - 11y^4$	-945		
$-x^4 + 79y^4$	-948		
$x^4 - 79y^4$	-948		
$-7x^4 - 11x^3y - 11xy^3 + 7y^4$	-951		
$-7x^4 + 11x^3y + 11xy^3 + 7y^4$	-951		
$7x^4 - 11x^3y - 11xy^3 - 7y^4$	-951		
$7x^4 + 11x^3y + 11xy^3 - 7y^4$	-951		
$-10x^4 - 9x^3y + 9xy^3 + 10y^4$	-957		
$-10x^4 + 9x^3y - 9xy^3 + 10y^4$	-957		
$10x^4 - 9x^3y + 9xy^3 - 10y^4$	-957		
$10x^4 + 9x^3y - 9xy^3 - 10y^4$	-957		
$-9x^4 - 2x^3y + 2xy^3 + 9y^4$	-960		
$-9x^4 + 2x^3y - 2xy^3 + 9y^4$	-960		
$-5x^4 + 16y^4$	-960		
$-3x^4 - 4x^3y + 6x^2y^2 - 20xy^3 + 21y^4$	-960		
$-3x^4 + 4x^3y + 6x^2y^2 + 20xy^3 + 21y^4$	-960		
$-x^4 + 80y^4$	-960		(3, 1) (3, -1) (1, 0)
$-x^4 + 24x^2y^2 - 96xy^3 + 128y^4$	-960		
$-x^4 + 24x^2y^2 + 96xy^3 + 128y^4$	-960		
$-x^4 + 30x^2y^2 - 120xy^3 + 155y^4$	-960		
$-x^4 + 30x^2y^2 + 120xy^3 + 155y^4$	-960		
$x^4 - 30x^2y^2 - 120xy^3 - 155y^4$	-960		
$x^4 - 30x^2y^2 + 120xy^3 - 155y^4$	-960		
$x^4 - 24x^2y^2 - 96xy^3 - 128y^4$	-960		
$x^4 - 24x^2y^2 + 96xy^3 - 128y^4$	-960		
$x^4 - 80y^4$	-960		
$3x^4 - 4x^3y - 6x^2y^2 - 20xy^3 - 21y^4$	-960	(1, 0)	(1, 0)
$3x^4 + 4x^3y - 6x^2y^2 + 20xy^3 - 21y^4$	-960		
$5x^4 - 16y^4$	-960		
$9x^4 - 2x^3y + 2xy^3 - 9y^4$	-960		
$9x^4 + 2x^3y - 2xy^3 - 9y^4$	-960		
$-6x^4 + 12x^3y - 9x^2y^2 + 3xy^3 + 13y^4$	-963		
$-3x^4 - x^3y + 3xy^3 + 27y^4$	-963		
$-3x^4 + x^3y - 3xy^3 + 27y^4$	-963		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 40y^4$	-963		
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 40y^4$	-963		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$3x^4 - x^3y + 3xy^3 - 27y^4$	-963		
$3x^4 + x^3y - 3xy^3 - 27y^4$	-963		
$6x^4 + 12x^3y + 9x^2y^2 + 3xy^3 - 13y^4$	-963		
$-8x^4 - 15x^3y - 3x^2y^2 - 11xy^3 + 5y^4$	-966		
$-8x^4 + 15x^3y - 3x^2y^2 + 11xy^3 + 5y^4$	-966		
$-5x^4 - 9x^3y + 6x^2y^2 + 34xy^3 + 32y^4$	-966		
$-5x^4 - 7x^3y - 3x^2y^2 + 5xy^3 + 18y^4$	-966		
$-5x^4 + 7x^3y - 3x^2y^2 - 5xy^3 + 18y^4$	-966		
$-5x^4 + 9x^3y + 6x^2y^2 - 34xy^3 + 32y^4$	-966		
$-3x^4 - 5x^3y + 12x^2y^2 - 26xy^3 + 20y^4$	-966		
$-3x^4 + 5x^3y + 12x^2y^2 + 26xy^3 + 20y^4$	-966		
$-2x^4 - x^3y + 30x^2y^2 - 78xy^3 + 68y^4$	-966		
$-2x^4 + x^3y + 30x^2y^2 + 78xy^3 + 68y^4$	-966		
$2x^4 - x^3y - 30x^2y^2 - 78xy^3 - 68y^4$	-966		
$2x^4 + x^3y - 30x^2y^2 + 78xy^3 - 68y^4$	-966		
$3x^4 - 5x^3y - 12x^2y^2 - 26xy^3 - 20y^4$	-966		
$3x^4 + 5x^3y - 12x^2y^2 + 26xy^3 - 20y^4$	-966		
$5x^4 - 9x^3y - 6x^2y^2 + 34xy^3 - 32y^4$	-966		
$5x^4 - 7x^3y + 3x^2y^2 + 5xy^3 - 18y^4$	-966		
$5x^4 + 7x^3y + 3x^2y^2 - 5xy^3 - 18y^4$	-966		
$5x^4 + 9x^3y - 6x^2y^2 - 34xy^3 - 32y^4$	-966		
$8x^4 - 15x^3y + 3x^2y^2 - 11xy^3 - 5y^4$	-966		
$8x^4 + 15x^3y + 3x^2y^2 + 11xy^3 - 5y^4$	-966		
$-10x^4 - 19x^3y - 9x^2y^2 - 10xy^3 + 4y^4$	-969		
$-10x^4 + 19x^3y - 9x^2y^2 + 10xy^3 + 4y^4$	-969		
$-9x^4 - x^3y + xy^3 + 9y^4$	-969		
$-9x^4 + x^3y - xy^3 + 9y^4$	-969		
$-4x^4 - 6x^3y + 15x^2y^2 + 51xy^3 + 44y^4$	-969		
$-4x^4 - 5x^3y + 12x^2y^2 - 23xy^3 + 16y^4$	-969		
$-4x^4 + 5x^3y + 12x^2y^2 + 23xy^3 + 16y^4$	-969		
$-4x^4 + 6x^3y + 15x^2y^2 - 51xy^3 + 44y^4$	-969		
$-x^4 - x^3y + 18x^2y^2 - 67xy^3 + 91y^4$	-969		(1, 0)
$-x^4 - x^3y + 57x^2y^2 + 290xy^3 + 424y^4$	-969	(7, -2)	(1, 0)
$-x^4 + x^3y + 18x^2y^2 + 67xy^3 + 91y^4$	-969		(1, 0)
$-x^4 + x^3y + 57x^2y^2 - 290xy^3 + 424y^4$	-969	(7, 2)	(1, 0)
$x^4 - x^3y - 57x^2y^2 + 290xy^3 - 424y^4$	-969	(1, 0)	(7, 2)
$x^4 - x^3y - 18x^2y^2 - 67xy^3 - 91y^4$	-969	(1, 0)	
$x^4 + x^3y - 57x^2y^2 - 290xy^3 - 424y^4$	-969	(1, 0)	(7, -2)
$x^4 + x^3y - 18x^2y^2 + 67xy^3 - 91y^4$	-969	(1, 0)	

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$4x^4 - 6x^3y - 15x^2y^2 + 51xy^3 - 44y^4$	-969	(1, 0)	(1, 0)
$4x^4 - 5x^3y - 12x^2y^2 - 23xy^3 - 16y^4$	-969		
$4x^4 + 5x^3y - 12x^2y^2 + 23xy^3 - 16y^4$	-969		
$4x^4 + 6x^3y - 15x^2y^2 - 51xy^3 - 44y^4$	-969		
$9x^4 - x^3y + xy^3 - 9y^4$	-969		
$9x^4 + x^3y - xy^3 - 9y^4$	-969		
$10x^4 - 19x^3y + 9x^2y^2 - 10xy^3 - 4y^4$	-969		
$10x^4 + 19x^3y + 9x^2y^2 + 10xy^3 - 4y^4$	-969		
$-5x^4 - x^3y + 6x^2y^2 - 16xy^3 + 16y^4$	-972		
$-5x^4 + x^3y + 6x^2y^2 + 16xy^3 + 16y^4$	-972		
$-x^4 + 81y^4$	-972		
$x^4 - 81y^4$	-972		
$5x^4 - x^3y - 6x^2y^2 - 16xy^3 - 16y^4$	-972		
$5x^4 + x^3y - 6x^2y^2 + 16xy^3 - 16y^4$	-972		
$-9x^4 - x^3y - xy^3 + 9y^4$	-975		
$-9x^4 + x^3y + xy^3 + 9y^4$	-975		
$-3x^4 - 5x^3y + 33x^2y^2 - 56xy^3 + 34y^4$	-975		
$-3x^4 + 5x^3y + 33x^2y^2 + 56xy^3 + 34y^4$	-975		
$3x^4 - 5x^3y - 33x^2y^2 - 56xy^3 - 34y^4$	-975		
$3x^4 + 5x^3y - 33x^2y^2 + 56xy^3 - 34y^4$	-975		
$9x^4 - x^3y - xy^3 - 9y^4$	-975		
$9x^4 + x^3y + xy^3 - 9y^4$	-975		
$-12x^4 - 22x^3y - 15x^2y^2 - 3xy^3 + 7y^4$	-981		
$-12x^4 + 22x^3y - 15x^2y^2 + 3xy^3 + 7y^4$	-981		
$-7x^4 - 3x^3y + 15x^2y^2 - 22xy^3 + 12y^4$	-981		
$-7x^4 + 3x^3y + 15x^2y^2 + 22xy^3 + 12y^4$	-981		
$-5x^4 - 9x^3y + 21x^2y^2 - 26xy^3 + 12y^4$	-981		
$-5x^4 + 9x^3y + 21x^2y^2 + 26xy^3 + 12y^4$	-981		
$-3x^4 - x^3y - 3xy^3 + 27y^4$	-981		
$-3x^4 + x^3y + 3xy^3 + 27y^4$	-981		
$3x^4 - x^3y - 3xy^3 - 27y^4$	-981		
$3x^4 + x^3y + 3xy^3 - 27y^4$	-981		
$5x^4 - 9x^3y - 21x^2y^2 - 26xy^3 - 12y^4$	-981		
$5x^4 + 9x^3y - 21x^2y^2 + 26xy^3 - 12y^4$	-981		
$7x^4 - 3x^3y - 15x^2y^2 - 22xy^3 - 12y^4$	-981		
$7x^4 + 3x^3y - 15x^2y^2 + 22xy^3 - 12y^4$	-981		
$12x^4 - 22x^3y + 15x^2y^2 - 3xy^3 - 7y^4$	-981		
$12x^4 + 22x^3y + 15x^2y^2 + 3xy^3 - 7y^4$	-981		
$-9x^4 - 2x^3y - 2xy^3 + 9y^4$	-984		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-9x^4 + 2x^3y + 2xy^3 + 9y^4$	-984		
$-5x^4 - 6x^3y + 12xy^3 + 20y^4$	-984		
$-5x^4 + 6x^3y - 12xy^3 + 20y^4$	-984		
$-2x^4 + 41y^4$	-984		
$-x^4 - x^3y + 3x^2y^2 + 29xy^3 + 90y^4$	-984		(1, 0)
$-x^4 - x^3y + 15x^2y^2 - 59xy^3 + 86y^4$	-984		(1, 0)
$-x^4 + 82y^4$	-984	(3, 1) (3, -1)	(1, 0)
$-x^4 + 12x^2y^2 - 56xy^3 + 94y^4$	-984		(1, 0)
$-x^4 + 12x^2y^2 + 56xy^3 + 94y^4$	-984		(1, 0)
$-x^4 + 48x^2y^2 - 208xy^3 + 274y^4$	-984	(3, 1)	(1, 0)
$-x^4 + 48x^2y^2 + 208xy^3 + 274y^4$	-984	(3, -1)	(1, 0)
$-x^4 + x^3y + 3x^2y^2 - 29xy^3 + 90y^4$	-984		(1, 0)
$-x^4 + x^3y + 15x^2y^2 + 59xy^3 + 86y^4$	-984		(1, 0)
$-x^4 + 2x^3y + 60x^2y^2 - 348xy^3 + 556y^4$	-984		(1, 0)
$-x^4 + 2x^3y + 60x^2y^2 + 226xy^3 + 269y^4$	-984		(1, 0)
$-x^4 + 2x^3y + 120x^2y^2 - 868xy^3 + 1716y^4$	-984	(5, 1)	(1, 0)
$-x^4 + 2x^3y + 120x^2y^2 + 626xy^3 + 969y^4$	-984	(4, -1)	(1, 0)
$x^4 - x^3y - 15x^2y^2 - 59xy^3 - 86y^4$	-984	(1, 0)	
$x^4 - x^3y - 3x^2y^2 + 29xy^3 - 90y^4$	-984	(1, 0)	
$x^4 - 48x^2y^2 - 208xy^3 - 274y^4$	-984	(1, 0)	(3, -1)
$x^4 - 48x^2y^2 + 208xy^3 - 274y^4$	-984	(1, 0)	(3, 1)
$x^4 - 12x^2y^2 - 56xy^3 - 94y^4$	-984	(1, 0)	
$x^4 - 12x^2y^2 + 56xy^3 - 94y^4$	-984	(1, 0)	
$x^4 - 82y^4$	-984	(1, 0)	(3, 1) (3, -1)
$x^4 + x^3y - 15x^2y^2 + 59xy^3 - 86y^4$	-984	(1, 0)	
$x^4 + x^3y - 3x^2y^2 - 29xy^3 - 90y^4$	-984	(1, 0)	
$x^4 + 2x^3y - 120x^2y^2 - 868xy^3 - 1716y^4$	-984	(1, 0)	(5, -1)
$x^4 + 2x^3y - 120x^2y^2 + 626xy^3 - 969y^4$	-984	(1, 0)	(4, 1)
$x^4 + 2x^3y - 60x^2y^2 - 348xy^3 - 556y^4$	-984	(1, 0)	
$x^4 + 2x^3y - 60x^2y^2 + 226xy^3 - 269y^4$	-984	(1, 0)	
$2x^4 - 41y^4$	-984		
$5x^4 - 6x^3y + 12xy^3 - 20y^4$	-984		
$5x^4 + 6x^3y - 12xy^3 - 20y^4$	-984		
$9x^4 - 2x^3y - 2xy^3 - 9y^4$	-984		
$9x^4 + 2x^3y + 2xy^3 - 9y^4$	-984		
$-12x^4 - 11x^3y - 3x^2y^2 - 4xy^3 + 6y^4$	-987		
$-12x^4 + 11x^3y - 3x^2y^2 + 4xy^3 + 6y^4$	-987		
$-6x^4 - 4x^3y + 3x^2y^2 - 11xy^3 + 12y^4$	-987		
$-6x^4 + 4x^3y + 3x^2y^2 + 11xy^3 + 12y^4$	-987		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-5x^4 - 7x^3y + 21x^2y^2 - 28xy^3 + 14y^4$	-987		
$-5x^4 + 7x^3y + 21x^2y^2 + 28xy^3 + 14y^4$	-987		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 41y^4$	-987		
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 41y^4$	-987		
$5x^4 - 7x^3y - 21x^2y^2 - 28xy^3 - 14y^4$	-987		
$5x^4 + 7x^3y - 21x^2y^2 + 28xy^3 - 14y^4$	-987		
$6x^4 - 4x^3y - 3x^2y^2 - 11xy^3 - 12y^4$	-987		
$6x^4 + 4x^3y - 3x^2y^2 + 11xy^3 - 12y^4$	-987		
$12x^4 - 11x^3y + 3x^2y^2 - 4xy^3 - 6y^4$	-987		
$12x^4 + 11x^3y + 3x^2y^2 + 4xy^3 - 6y^4$	-987		
$-x^4 + 83y^4$	-996		(1, 0)
$x^4 - 83y^4$	-996	(1, 0)	
$-11x^4 - 13x^3y - 3x^2y^2 + 8xy^3 + 10y^4$	-999	(1, -1)	
$-11x^4 + 13x^3y - 3x^2y^2 - 8xy^3 + 10y^4$	-999	(1, 1)	
$-10x^4 - 8x^3y + 3x^2y^2 + 13xy^3 + 11y^4$	-999		(1, -1)
$-10x^4 + 8x^3y + 3x^2y^2 - 13xy^3 + 11y^4$	-999		(1, 1)
$-4x^4 - 7x^3y + 3x^2y^2 - 16xy^3 + 14y^4$	-999		
$-4x^4 + 7x^3y + 3x^2y^2 + 16xy^3 + 14y^4$	-999		
$-x^4 - x^3y - 9xy^3 + 81y^4$	-999		(1, 0)
$-x^4 - x^3y + 165x^2y^2 + 1256xy^3 + 2666y^4$	-999		(1, 0)
$-x^4 + x^3y + 9xy^3 + 81y^4$	-999		(1, 0)
$-x^4 + x^3y + 165x^2y^2 - 1256xy^3 + 2666y^4$	-999		(1, 0)
$x^4 - x^3y - 165x^2y^2 + 1256xy^3 - 2666y^4$	-999	(1, 0)	
$x^4 - x^3y - 9xy^3 - 81y^4$	-999	(1, 0)	
$x^4 + x^3y - 165x^2y^2 - 1256xy^3 - 2666y^4$	-999	(1, 0)	
$x^4 + x^3y + 9xy^3 - 81y^4$	-999	(1, 0)	
$4x^4 - 7x^3y - 3x^2y^2 - 16xy^3 - 14y^4$	-999		
$4x^4 + 7x^3y - 3x^2y^2 + 16xy^3 - 14y^4$	-999		
$10x^4 - 8x^3y - 3x^2y^2 + 13xy^3 - 11y^4$	-999	(1, 1)	
$10x^4 + 8x^3y - 3x^2y^2 - 13xy^3 - 11y^4$	-999	(1, -1)	
$11x^4 - 13x^3y + 3x^2y^2 + 8xy^3 - 10y^4$	-999		(1, 1)
$11x^4 + 13x^3y + 3x^2y^2 - 8xy^3 - 10y^4$	-999		(1, -1)
$-7x^4 - 13x^3y + 3x^2y^2 - 13xy^3 + 6y^4$	-1002		
$-7x^4 + 13x^3y + 3x^2y^2 + 13xy^3 + 6y^4$	-1002		
$-6x^4 - 11x^3y + 22xy^3 + 24y^4$	-1002		
$-6x^4 + 11x^3y - 22xy^3 + 24y^4$	-1002		
$6x^4 - 11x^3y + 22xy^3 - 24y^4$	-1002		
$6x^4 + 11x^3y - 22xy^3 - 24y^4$	-1002		
$7x^4 - 13x^3y - 3x^2y^2 - 13xy^3 - 6y^4$	-1002		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$7x^4 + 13x^3y - 3x^2y^2 + 13xy^3 - 6y^4$	-1002		
$-12x^4 + 7y^4$	-1008		
$-7x^4 + 12y^4$	-1008		
$-4x^4 + 21y^4$	-1008		
$-3x^4 - 2x^3y - 6xy^3 + 27y^4$	-1008		
$-3x^4 + 28y^4$	-1008		
$-3x^4 + 2x^3y + 6xy^3 + 27y^4$	-1008		
$-x^4 + 84y^4$	-1008		(1, 0)
$-x^4 + 2x^3y + 36x^2y^2 - 192xy^3 + 288y^4$	-1008		(1, 0)
$-x^4 + 2x^3y + 36x^2y^2 + 118xy^3 + 133y^4$	-1008		(1, 0)
$x^4 - 84y^4$	-1008	(1, 0)	
$x^4 + 2x^3y - 36x^2y^2 - 192xy^3 - 288y^4$	-1008	(1, 0)	
$x^4 + 2x^3y - 36x^2y^2 + 118xy^3 - 133y^4$	-1008	(1, 0)	
$3x^4 - 2x^3y - 6xy^3 - 27y^4$	-1008		
$3x^4 - 28y^4$	-1008		
$3x^4 + 2x^3y + 6xy^3 - 27y^4$	-1008		
$4x^4 - 21y^4$	-1008		
$7x^4 - 12y^4$	-1008		
$12x^4 - 7y^4$	-1008		
$-8x^4 - 9x^3y - 9xy^3 + 8y^4$	-1011		
$-8x^4 + 9x^3y + 9xy^3 + 8y^4$	-1011		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 42y^4$	-1011		
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 42y^4$	-1011		
$8x^4 - 9x^3y - 9xy^3 - 8y^4$	-1011		
$8x^4 + 9x^3y + 9xy^3 - 8y^4$	-1011		
$-11x^4 - 12x^3y + 12xy^3 + 11y^4$	-1020		
$-11x^4 + 12x^3y - 12xy^3 + 11y^4$	-1020		
$-9x^4 - 4x^3y - 4xy^3 + 9y^4$	-1020		
$-9x^4 + 4x^3y + 4xy^3 + 9y^4$	-1020		
$-7x^4 - 12x^3y - 12xy^3 + 7y^4$	-1020		
$-7x^4 + 12x^3y + 12xy^3 + 7y^4$	-1020		
$-5x^4 + 17y^4$	-1020		
$-4x^4 + 8x^3y - 6x^2y^2 + 2xy^3 + 21y^4$	-1020	(2, 1) (1, -1)	
$-3x^4 - 2x^3y + 42x^2y^2 + 118xy^3 + 97y^4$	-1020		
$-3x^4 + 2x^3y + 42x^2y^2 - 118xy^3 + 97y^4$	-1020		
$-x^4 + 85y^4$	-1020		(1, 0)
$x^4 - 85y^4$	-1020	(1, 0)	
$3x^4 - 2x^3y - 42x^2y^2 + 118xy^3 - 97y^4$	-1020		
$3x^4 + 2x^3y - 42x^2y^2 - 118xy^3 - 97y^4$	-1020		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$4x^4 + 8x^3y + 6x^2y^2 + 2xy^3 - 21y^4$	-1020		$(2, -1) (1, 1)$
$5x^4 - 17y^4$	-1020		
$7x^4 - 12x^3y - 12xy^3 - 7y^4$	-1020		
$7x^4 + 12x^3y + 12xy^3 - 7y^4$	-1020		
$9x^4 - 4x^3y - 4xy^3 - 9y^4$	-1020		
$9x^4 + 4x^3y + 4xy^3 - 9y^4$	-1020		
$11x^4 - 12x^3y + 12xy^3 - 11y^4$	-1020		
$11x^4 + 12x^3y - 12xy^3 - 11y^4$	-1020		
$-3x^4 - x^3y + 3x^2y^2 + 16xy^3 + 30y^4$	-1023		
$-3x^4 + x^3y + 3x^2y^2 - 16xy^3 + 30y^4$	-1023		
$3x^4 - x^3y - 3x^2y^2 + 16xy^3 - 30y^4$	-1023		
$3x^4 + x^3y - 3x^2y^2 - 16xy^3 - 30y^4$	-1023		
$-8x^4 - 10x^3y + 6x^2y^2 - 13xy^3 + 7y^4$	-1026		
$-8x^4 + 10x^3y + 6x^2y^2 + 13xy^3 + 7y^4$	-1026		
$-7x^4 - 13x^3y - 6x^2y^2 - 10xy^3 + 8y^4$	-1026		
$-7x^4 - 3x^3y + 15x^2y^2 + 29xy^3 + 18y^4$	-1026		
$-7x^4 + 3x^3y + 15x^2y^2 - 29xy^3 + 18y^4$	-1026		
$-7x^4 + 13x^3y - 6x^2y^2 + 10xy^3 + 8y^4$	-1026		
$-2x^4 - 3x^3y + 9x^2y^2 + 45xy^3 + 63y^4$	-1026	$(2, -1)$	
$-2x^4 + 3x^3y + 9x^2y^2 - 45xy^3 + 63y^4$	-1026	$(2, 1)$	
$2x^4 - 3x^3y - 9x^2y^2 + 45xy^3 - 63y^4$	-1026		$(2, 1)$
$2x^4 + 3x^3y - 9x^2y^2 - 45xy^3 - 63y^4$	-1026		$(2, -1)$
$7x^4 - 13x^3y + 6x^2y^2 - 10xy^3 - 8y^4$	-1026		
$7x^4 - 3x^3y - 15x^2y^2 + 29xy^3 - 18y^4$	-1026		
$7x^4 + 3x^3y - 15x^2y^2 - 29xy^3 - 18y^4$	-1026		
$7x^4 + 13x^3y + 6x^2y^2 + 10xy^3 - 8y^4$	-1026		
$8x^4 - 10x^3y - 6x^2y^2 - 13xy^3 - 7y^4$	-1026		
$8x^4 + 10x^3y - 6x^2y^2 + 13xy^3 - 7y^4$	-1026		
$-3x^4 - 2x^3y + 12x^2y^2 + 38xy^3 + 39y^4$	-1032		
$-3x^4 + 2x^3y + 12x^2y^2 - 38xy^3 + 39y^4$	-1032		
$-2x^4 + 43y^4$	-1032		
$-x^4 + 86y^4$	-1032		$(1, 0)$
$x^4 - 86y^4$	-1032	$(1, 0)$	
$2x^4 - 43y^4$	-1032		
$3x^4 - 2x^3y - 12x^2y^2 + 38xy^3 - 39y^4$	-1032		
$3x^4 + 2x^3y - 12x^2y^2 - 38xy^3 - 39y^4$	-1032		
$-10x^4 + 20x^3y - 15x^2y^2 + 5xy^3 + 8y^4$	-1035		
$-9x^4 - 3x^3y + 18x^2y^2 + 29xy^3 + 15y^4$	-1035		
$-9x^4 + 3x^3y + 18x^2y^2 - 29xy^3 + 15y^4$	-1035		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-8x^4 - 5x^3y + 15x^2y^2 - 20xy^3 + 10y^4$	-1035		
$-8x^4 + 5x^3y + 15x^2y^2 + 20xy^3 + 10y^4$	-1035		
$-6x^4 + 12x^3y - 9x^2y^2 + 3xy^3 + 14y^4$	-1035		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 43y^4$	-1035		
$-2x^4 + 4x^3y + 45x^2y^2 - 195xy^3 + 225y^4$	-1035		
$-2x^4 + 4x^3y + 45x^2y^2 + 101xy^3 + 77y^4$	-1035		
$-x^4 - x^3y + 18x^2y^2 + 87xy^3 + 135y^4$	-1035		(1, 0)
$-x^4 - x^3y + 129x^2y^2 + 884xy^3 + 1694y^4$	-1035		(5, -1) (1, 0)
$-x^4 + x^3y + 18x^2y^2 - 87xy^3 + 135y^4$	-1035		(1, 0)
$-x^4 + x^3y + 129x^2y^2 - 884xy^3 + 1694y^4$	-1035		(5, 1) (1, 0)
$x^4 - x^3y - 129x^2y^2 + 884xy^3 - 1694y^4$	-1035	(5, 1) (1, 0)	
$x^4 - x^3y - 18x^2y^2 + 87xy^3 - 135y^4$	-1035	(1, 0)	
$x^4 + x^3y - 129x^2y^2 - 884xy^3 - 1694y^4$	-1035	(5, -1) (1, 0)	
$x^4 + x^3y - 18x^2y^2 - 87xy^3 - 135y^4$	-1035	(1, 0)	
$2x^4 + 4x^3y - 45x^2y^2 - 195xy^3 - 225y^4$	-1035		
$2x^4 + 4x^3y - 45x^2y^2 + 101xy^3 - 77y^4$	-1035		
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 43y^4$	-1035		
$6x^4 + 12x^3y + 9x^2y^2 + 3xy^3 - 14y^4$	-1035		
$8x^4 - 5x^3y - 15x^2y^2 - 20xy^3 - 10y^4$	-1035		
$8x^4 + 5x^3y - 15x^2y^2 + 20xy^3 - 10y^4$	-1035		
$9x^4 - 3x^3y - 18x^2y^2 + 29xy^3 - 15y^4$	-1035		
$9x^4 + 3x^3y - 18x^2y^2 - 29xy^3 - 15y^4$	-1035		
$10x^4 + 20x^3y + 15x^2y^2 + 5xy^3 - 8y^4$	-1035		
$-4x^4 - 3x^3y + 15x^2y^2 - 29xy^3 + 21y^4$	-1044		
$-4x^4 + 3x^3y + 15x^2y^2 + 29xy^3 + 21y^4$	-1044		
$-3x^4 + 29y^4$	-1044		
$-x^4 + 87y^4$	-1044		(1, 0)
$x^4 - 87y^4$	-1044	(1, 0)	
$3x^4 - 29y^4$	-1044		
$4x^4 - 3x^3y - 15x^2y^2 - 29xy^3 - 21y^4$	-1044		
$4x^4 + 3x^3y - 15x^2y^2 + 29xy^3 - 21y^4$	-1044		
$-9x^4 - 5x^3y - 5xy^3 + 9y^4$	-1047		
$-9x^4 + 5x^3y + 5xy^3 + 9y^4$	-1047		
$9x^4 - 5x^3y - 5xy^3 - 9y^4$	-1047		
$9x^4 + 5x^3y + 5xy^3 - 9y^4$	-1047		
$-6x^4 - 7x^3y - 3x^2y^2 + xy^3 + 15y^4$	-1050		
$-6x^4 + 7x^3y - 3x^2y^2 - xy^3 + 15y^4$	-1050		
$-3x^4 - 5x^3y + 18x^2y^2 - 34xy^3 + 24y^4$	-1050		
$-3x^4 + 5x^3y + 18x^2y^2 + 34xy^3 + 24y^4$	-1050		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$3x^4 - 5x^3y - 18x^2y^2 - 34xy^3 - 24y^4$	-1050		
$3x^4 + 5x^3y - 18x^2y^2 + 34xy^3 - 24y^4$	-1050		
$6x^4 - 7x^3y + 3x^2y^2 + xy^3 - 15y^4$	-1050		
$6x^4 + 7x^3y + 3x^2y^2 - xy^3 - 15y^4$	-1050		
$-10x^4 - 7x^3y + 7xy^3 + 10y^4$	-1053		
$-10x^4 + 7x^3y - 7xy^3 + 10y^4$	-1053		
$-4x^4 - 2x^3y + 9x^2y^2 + 27xy^3 + 27y^4$	-1053		
$-4x^4 + 2x^3y + 9x^2y^2 - 27xy^3 + 27y^4$	-1053		
$-x^4 - x^3y + 9x^2y^2 + 54xy^3 + 108y^4$	-1053		(1, 0)
$-x^4 + x^3y + 9x^2y^2 - 54xy^3 + 108y^4$	-1053		(1, 0)
$x^4 - x^3y - 9x^2y^2 + 54xy^3 - 108y^4$	-1053	(1, 0)	
$x^4 + x^3y - 9x^2y^2 - 54xy^3 - 108y^4$	-1053	(1, 0)	
$4x^4 - 2x^3y - 9x^2y^2 + 27xy^3 - 27y^4$	-1053		
$4x^4 + 2x^3y - 9x^2y^2 - 27xy^3 - 27y^4$	-1053		
$10x^4 - 7x^3y + 7xy^3 - 10y^4$	-1053		
$10x^4 + 7x^3y - 7xy^3 - 10y^4$	-1053		
$-11x^4 + 8y^4$	-1056		
$-8x^4 + 11y^4$	-1056		
$-x^4 + 88y^4$	-1056		(1, 0)
$x^4 - 88y^4$	-1056	(1, 0)	
$8x^4 - 11y^4$	-1056		
$11x^4 - 8y^4$	-1056		
$-4x^4 - x^3y + 27x^2y^2 - 52xy^3 + 34y^4$	-1059		
$-4x^4 + x^3y + 27x^2y^2 + 52xy^3 + 34y^4$	-1059		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 44y^4$	-1059		
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 44y^4$	-1059		
$4x^4 - x^3y - 27x^2y^2 - 52xy^3 - 34y^4$	-1059		
$4x^4 + x^3y - 27x^2y^2 + 52xy^3 - 34y^4$	-1059		
$-4x^4 - 7x^3y - 14xy^3 + 16y^4$	-1062		
$-4x^4 + 7x^3y + 14xy^3 + 16y^4$	-1062		
$-x^4 - x^3y + 63x^2y^2 - 269xy^3 + 352y^4$	-1062		(1, 0)
$-x^4 + x^3y + 63x^2y^2 + 269xy^3 + 352y^4$	-1062		(1, 0)
$x^4 - x^3y - 63x^2y^2 - 269xy^3 - 352y^4$	-1062	(1, 0)	
$x^4 + x^3y - 63x^2y^2 + 269xy^3 - 352y^4$	-1062	(1, 0)	
$4x^4 - 7x^3y - 14xy^3 - 16y^4$	-1062		
$4x^4 + 7x^3y + 14xy^3 - 16y^4$	-1062		
$-9x^4 - 7x^3y + 3x^2y^2 - 10xy^3 + 8y^4$	-1065		
$-9x^4 + 7x^3y + 3x^2y^2 + 10xy^3 + 8y^4$	-1065		
$-8x^4 - 10x^3y - 3x^2y^2 - 7xy^3 + 9y^4$	-1065		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-8x^4 + 10x^3y - 3x^2y^2 + 7xy^3 + 9y^4$	-1065	(1, 0)	(1, 0)
$-2x^4 - 3x^3y + 15xy^3 + 50y^4$	-1065		
$-2x^4 + 3x^3y - 15xy^3 + 50y^4$	-1065		
$2x^4 - 3x^3y + 15xy^3 - 50y^4$	-1065		
$2x^4 + 3x^3y - 15xy^3 - 50y^4$	-1065		
$8x^4 - 10x^3y + 3x^2y^2 - 7xy^3 - 9y^4$	-1065		
$8x^4 + 10x^3y + 3x^2y^2 + 7xy^3 - 9y^4$	-1065		
$9x^4 - 7x^3y - 3x^2y^2 - 10xy^3 - 8y^4$	-1065		
$9x^4 + 7x^3y - 3x^2y^2 + 10xy^3 - 8y^4$	-1065		
$-5x^4 - 4x^3y + 18x^2y^2 + 44xy^3 + 32y^4$	-1068		
$-5x^4 + 4x^3y + 18x^2y^2 - 44xy^3 + 32y^4$	-1068		
$-2x^4 - 3x^3y + 3x^2y^2 + 27xy^3 + 55y^4$	-1068		
$-2x^4 + 3x^3y + 3x^2y^2 - 27xy^3 + 55y^4$	-1068		
$-x^4 + 89y^4$	-1068		
$x^4 - 89y^4$	-1068		
$2x^4 - 3x^3y - 3x^2y^2 + 27xy^3 - 55y^4$	-1068		
$2x^4 + 3x^3y - 3x^2y^2 - 27xy^3 - 55y^4$	-1068		
$5x^4 - 4x^3y - 18x^2y^2 + 44xy^3 - 32y^4$	-1068		
$5x^4 + 4x^3y - 18x^2y^2 - 44xy^3 - 32y^4$	-1068		
$-3x^4 - 5x^3y + 12x^2y^2 + 51xy^3 + 55y^4$	-1071		
$-3x^4 + 5x^3y + 12x^2y^2 - 51xy^3 + 55y^4$	-1071		
$-2x^4 + 3x^2y^2 - 19xy^3 + 45y^4$	-1071		
$-2x^4 + 3x^2y^2 + 19xy^3 + 45y^4$	-1071		
$2x^4 - 3x^2y^2 - 19xy^3 - 45y^4$	-1071		
$2x^4 - 3x^2y^2 + 19xy^3 - 45y^4$	-1071		
$3x^4 - 5x^3y - 12x^2y^2 + 51xy^3 - 55y^4$	-1071		
$3x^4 + 5x^3y - 12x^2y^2 - 51xy^3 - 55y^4$	-1071		
$-10x^4 - 13x^3y - 6x^2y^2 - 4xy^3 + 8y^4$	-1080		
$-10x^4 + 9y^4$	-1080		
$-10x^4 + 13x^3y - 6x^2y^2 + 4xy^3 + 8y^4$	-1080		
$-9x^4 + 10y^4$	-1080		
$-9x^4 + 18x^3y - 30xy^3 + 25y^4$	-1080		
$-9x^4 + 18x^3y + 12xy^3 + 4y^4$	-1080		
$-8x^4 - 4x^3y + 6x^2y^2 - 13xy^3 + 10y^4$	-1080		
$-8x^4 + 4x^3y + 6x^2y^2 + 13xy^3 + 10y^4$	-1080		
$-5x^4 + 18y^4$	-1080		
$-4x^4 - 4x^3y + 10xy^3 + 25y^4$	-1080		
$-4x^4 - 4x^3y + 12x^2y^2 + 38xy^3 + 35y^4$	-1080		
$-4x^4 + 4x^3y - 10xy^3 + 25y^4$	-1080		
		(1, 1) (1, -1)	(1, 1) (1, -1)

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-4x^4 + 4x^3y + 12x^2y^2 - 38xy^3 + 35y^4$	-1080		
$-3x^4 - 4x^3y + 18x^2y^2 - 36xy^3 + 27y^4$	-1080		
$-3x^4 + 4x^3y + 18x^2y^2 + 36xy^3 + 27y^4$	-1080		
$-2x^4 + 45y^4$	-1080		
$-x^4 - x^3y + 30x^2y^2 + 140xy^3 + 200y^4$	-1080		(1, 0)
$-x^4 + 90y^4$	-1080		(1, 0)
$-x^4 + 60x^2y^2 - 280xy^3 + 390y^4$	-1080		(1, 0)
$-x^4 + 60x^2y^2 + 280xy^3 + 390y^4$	-1080		(1, 0)
$-x^4 + x^3y + 30x^2y^2 - 140xy^3 + 200y^4$	-1080		(1, 0)
$-x^4 + 2x^3y - 20xy^3 + 100y^4$	-1080		(1, 0)
$-x^4 + 2x^3y + 18xy^3 + 81y^4$	-1080		(1, 0)
$-x^4 + 2x^3y + 12x^2y^2 - 76xy^3 + 140y^4$	-1080		(1, 0)
$-x^4 + 2x^3y + 12x^2y^2 + 50xy^3 + 77y^4$	-1080		(1, 0)
$x^4 - x^3y - 30x^2y^2 + 140xy^3 - 200y^4$	-1080	(1, 0)	
$x^4 - 60x^2y^2 - 280xy^3 - 390y^4$	-1080	(1, 0)	
$x^4 - 60x^2y^2 + 280xy^3 - 390y^4$	-1080	(1, 0)	
$x^4 - 90y^4$	-1080	(1, 0)	
$x^4 + x^3y - 30x^2y^2 - 140xy^3 - 200y^4$	-1080	(1, 0)	
$x^4 + 2x^3y - 12x^2y^2 - 76xy^3 - 140y^4$	-1080	(1, 0)	
$x^4 + 2x^3y - 12x^2y^2 + 50xy^3 - 77y^4$	-1080	(1, 0)	
$x^4 + 2x^3y - 20xy^3 - 100y^4$	-1080	(1, 0)	
$x^4 + 2x^3y + 18xy^3 - 81y^4$	-1080	(1, 0)	
$2x^4 - 45y^4$	-1080		
$3x^4 - 4x^3y - 18x^2y^2 - 36xy^3 - 27y^4$	-1080		
$3x^4 + 4x^3y - 18x^2y^2 + 36xy^3 - 27y^4$	-1080		
$4x^4 - 4x^3y - 12x^2y^2 + 38xy^3 - 35y^4$	-1080		
$4x^4 - 4x^3y + 10xy^3 - 25y^4$	-1080		
$4x^4 + 4x^3y - 12x^2y^2 - 38xy^3 - 35y^4$	-1080		
$4x^4 + 4x^3y - 10xy^3 - 25y^4$	-1080		
$5x^4 - 18y^4$	-1080		
$8x^4 - 4x^3y - 6x^2y^2 - 13xy^3 - 10y^4$	-1080		
$8x^4 + 4x^3y - 6x^2y^2 + 13xy^3 - 10y^4$	-1080		
$9x^4 - 10y^4$	-1080		(1, 1) (1, -1)
$9x^4 + 18x^3y - 30xy^3 - 25y^4$	-1080		
$9x^4 + 18x^3y + 12xy^3 - 4y^4$	-1080		
$10x^4 - 13x^3y + 6x^2y^2 - 4xy^3 - 8y^4$	-1080		
$10x^4 - 9y^4$	-1080	(1, 1) (1, -1)	
$10x^4 + 13x^3y + 6x^2y^2 + 4xy^3 - 8y^4$	-1080		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 45y^4$	-1083		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 45y^4$	-1083		
$-6x^4 - 5x^3y + 6x^2y^2 + 21xy^3 + 20y^4$	-1089		
$-6x^4 + 5x^3y + 6x^2y^2 - 21xy^3 + 20y^4$	-1089		
$-4x^4 - 2x^3y + 45x^2y^2 - 87xy^3 + 54y^4$	-1089		
$-4x^4 + 2x^3y + 45x^2y^2 + 87xy^3 + 54y^4$	-1089		
$-x^4 - x^3y + 45x^2y^2 - 174xy^3 + 216y^4$	-1089		(1, 0)
$-x^4 + x^3y + 45x^2y^2 + 174xy^3 + 216y^4$	-1089		(1, 0)
$x^4 - x^3y - 45x^2y^2 - 174xy^3 - 216y^4$	-1089	(1, 0)	
$x^4 + x^3y - 45x^2y^2 + 174xy^3 - 216y^4$	-1089	(1, 0)	
$4x^4 - 2x^3y - 45x^2y^2 - 87xy^3 - 54y^4$	-1089		
$4x^4 + 2x^3y - 45x^2y^2 + 87xy^3 - 54y^4$	-1089		
$6x^4 - 5x^3y - 6x^2y^2 + 21xy^3 - 20y^4$	-1089		
$6x^4 + 5x^3y - 6x^2y^2 - 21xy^3 - 20y^4$	-1089		
$-7x^4 + 13y^4$	-1092		
$-x^4 + 91y^4$	-1092		(1, 0)
$x^4 - 91y^4$	-1092	(1, 0)	
$7x^4 - 13y^4$	-1092		
$-7x^4 - 13x^3y - 13xy^3 + 7y^4$	-1095		
$-7x^4 + 13x^3y + 13xy^3 + 7y^4$	-1095		
$-x^4 - x^3y + 135x^2y^2 + 944xy^3 + 1846y^4$	-1095	(5, -1)	(1, 0)
$-x^4 + x^3y + 135x^2y^2 - 944xy^3 + 1846y^4$	-1095	(5, 1)	(1, 0)
$x^4 - x^3y - 135x^2y^2 + 944xy^3 - 1846y^4$	-1095	(1, 0)	(5, 1)
$x^4 + x^3y - 135x^2y^2 - 944xy^3 - 1846y^4$	-1095	(1, 0)	(5, -1)
$7x^4 - 13x^3y - 13xy^3 - 7y^4$	-1095		
$7x^4 + 13x^3y + 13xy^3 - 7y^4$	-1095		
$-11x^4 - 4x^3y + 12x^2y^2 - 16xy^3 + 8y^4$	-1104		
$-11x^4 + 4x^3y + 12x^2y^2 + 16xy^3 + 8y^4$	-1104		
$-8x^4 + 16x^3y - 12x^2y^2 + 4xy^3 + 11y^4$	-1104		
$-6x^4 - x^3y + 3x^2y^2 - 11xy^3 + 15y^4$	-1104		
$-6x^4 + x^3y + 3x^2y^2 + 11xy^3 + 15y^4$	-1104		
$-5x^4 - 4x^3y + 8xy^3 + 20y^4$	-1104		
$-5x^4 + 4x^3y - 8xy^3 + 20y^4$	-1104		
$-4x^4 + 23y^4$	-1104		
$-x^4 + 92y^4$	-1104		(1, 0)
$x^4 - 92y^4$	-1104	(1, 0)	
$4x^4 - 23y^4$	-1104		
$5x^4 - 4x^3y + 8xy^3 - 20y^4$	-1104		
$5x^4 + 4x^3y - 8xy^3 - 20y^4$	-1104		
$6x^4 - x^3y - 3x^2y^2 - 11xy^3 - 15y^4$	-1104		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$6x^4 + x^3y - 3x^2y^2 + 11xy^3 - 15y^4$	-1104		
$8x^4 + 16x^3y + 12x^2y^2 + 4xy^3 - 11y^4$	-1104		
$11x^4 - 4x^3y - 12x^2y^2 - 16xy^3 - 8y^4$	-1104		
$11x^4 + 4x^3y - 12x^2y^2 + 16xy^3 - 8y^4$	-1104		
$-4x^4 - 7x^3y + 30x^2y^2 + 101xy^3 + 86y^4$	-1107		
$-4x^4 + 7x^3y + 30x^2y^2 - 101xy^3 + 86y^4$	-1107		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 46y^4$	-1107		
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 46y^4$	-1107		
$4x^4 - 7x^3y - 30x^2y^2 + 101xy^3 - 86y^4$	-1107		
$4x^4 + 7x^3y - 30x^2y^2 - 101xy^3 - 86y^4$	-1107		
$-4x^4 - 2x^3y + 9x^2y^2 - 23xy^3 + 22y^4$	-1113		
$-4x^4 + 2x^3y + 9x^2y^2 + 23xy^3 + 22y^4$	-1113		
$-x^4 - x^3y + 9x^2y^2 - 46xy^3 + 88y^4$	-1113		(1, 0)
$-x^4 + x^3y + 9x^2y^2 + 46xy^3 + 88y^4$	-1113		(1, 0)
$x^4 - x^3y - 9x^2y^2 - 46xy^3 - 88y^4$	-1113	(1, 0)	
$x^4 + x^3y - 9x^2y^2 + 46xy^3 - 88y^4$	-1113	(1, 0)	
$4x^4 - 2x^3y - 9x^2y^2 - 23xy^3 - 22y^4$	-1113		
$4x^4 + 2x^3y - 9x^2y^2 + 23xy^3 - 22y^4$	-1113		
$-12x^4 + 24x^3y - 18x^2y^2 + 6xy^3 + 7y^4$	-1116		
$-7x^4 - 6x^3y + 18x^2y^2 - 24xy^3 + 12y^4$	-1116		
$-7x^4 + 6x^3y + 18x^2y^2 + 24xy^3 + 12y^4$	-1116		
$-4x^4 + 8x^3y - 6x^2y^2 + 2xy^3 + 23y^4$	-1116		
$-3x^4 - 4x^3y - 12xy^3 + 27y^4$	-1116		
$-3x^4 + 31y^4$	-1116		
$-3x^4 + 4x^3y + 12xy^3 + 27y^4$	-1116		
$-x^4 + 93y^4$	-1116		(1, 0)
$x^4 - 93y^4$	-1116	(1, 0)	
$3x^4 - 4x^3y - 12xy^3 - 27y^4$	-1116		
$3x^4 - 31y^4$	-1116		
$3x^4 + 4x^3y + 12xy^3 - 27y^4$	-1116		
$4x^4 + 8x^3y + 6x^2y^2 + 2xy^3 - 23y^4$	-1116		
$7x^4 - 6x^3y - 18x^2y^2 - 24xy^3 - 12y^4$	-1116		
$7x^4 + 6x^3y - 18x^2y^2 + 24xy^3 - 12y^4$	-1116		
$12x^4 + 24x^3y + 18x^2y^2 + 6xy^3 - 7y^4$	-1116		
$-9x^4 - 7x^3y - 7xy^3 + 9y^4$	-1119		
$-9x^4 + 7x^3y + 7xy^3 + 9y^4$	-1119		
$9x^4 - 7x^3y - 7xy^3 - 9y^4$	-1119		
$9x^4 + 7x^3y + 7xy^3 - 9y^4$	-1119		
$-2x^4 - x^3y + 15x^2y^2 + 53xy^3 + 63y^4$	-1128		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-2x^4 + 47y^4$	-1128	(1, 0)	(1, 0)
$-2x^4 + x^3y + 15x^2y^2 - 53xy^3 + 63y^4$	-1128		
$-x^4 + 94y^4$	-1128		
$x^4 - 94y^4$	-1128		
$2x^4 - x^3y - 15x^2y^2 + 53xy^3 - 63y^4$	-1128		
$2x^4 - 47y^4$	-1128		
$2x^4 + x^3y - 15x^2y^2 - 53xy^3 - 63y^4$	-1128		
$-8x^4 - 11x^3y - 11xy^3 + 8y^4$	-1131		
$-8x^4 + 11x^3y + 11xy^3 + 8y^4$	-1131		
$-3x^4 - 5x^3y - 3x^2y^2 - 4xy^3 + 30y^4$	-1131		
$-3x^4 + 5x^3y - 3x^2y^2 + 4xy^3 + 30y^4$	-1131		
$-2x^4 - 3x^3y + 66x^2y^2 - 183xy^3 + 160y^4$	-1131		
$-2x^4 - 3x^3y + 69x^2y^2 + 300xy^3 + 358y^4$	-1131		
$-2x^4 + 3x^3y + 66x^2y^2 + 183xy^3 + 160y^4$	-1131		
$-2x^4 + 3x^3y + 69x^2y^2 - 300xy^3 + 358y^4$	-1131		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 47y^4$	-1131		
$-2x^4 + 4x^3y + 9x^2y^2 - 53xy^3 + 77y^4$	-1131		
$-2x^4 + 4x^3y + 9x^2y^2 + 31xy^3 + 35y^4$	-1131		
$2x^4 - 3x^3y - 69x^2y^2 + 300xy^3 - 358y^4$	-1131		
$2x^4 - 3x^3y - 66x^2y^2 - 183xy^3 - 160y^4$	-1131		
$2x^4 + 3x^3y - 69x^2y^2 - 300xy^3 - 358y^4$	-1131		
$2x^4 + 3x^3y - 66x^2y^2 + 183xy^3 - 160y^4$	-1131		
$2x^4 + 4x^3y - 9x^2y^2 - 53xy^3 - 77y^4$	-1131		
$2x^4 + 4x^3y - 9x^2y^2 + 31xy^3 - 35y^4$	-1131		
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 47y^4$	-1131		
$3x^4 - 5x^3y + 3x^2y^2 - 4xy^3 - 30y^4$	-1131		
$3x^4 + 5x^3y + 3x^2y^2 + 4xy^3 - 30y^4$	-1131		
$8x^4 - 11x^3y - 11xy^3 - 8y^4$	-1131	(1, -1) (1, 1)	
$8x^4 + 11x^3y + 11xy^3 - 8y^4$	-1131		
$-11x^4 - 18x^3y + 6x^2y^2 - 12xy^3 + 4y^4$	-1140		
$-11x^4 + 18x^3y + 6x^2y^2 + 12xy^3 + 4y^4$	-1140		
$-10x^4 - 12x^3y + 6x^2y^2 + 24xy^3 + 17y^4$	-1140		
$-10x^4 + 12x^3y + 6x^2y^2 - 24xy^3 + 17y^4$	-1140		
$-6x^4 - 4x^3y + 18x^2y^2 + 40xy^3 + 27y^4$	-1140		
$-6x^4 + 4x^3y + 18x^2y^2 - 40xy^3 + 27y^4$	-1140		
$-5x^4 + 19y^4$	-1140		
$-4x^4 - 4x^3y + 6x^2y^2 + 26xy^3 + 31y^4$	-1140		
$-4x^4 + 4x^3y + 6x^2y^2 - 26xy^3 + 31y^4$	-1140		
$-3x^4 - 5x^3y + 3x^2y^2 - 19xy^3 + 24y^4$	-1140		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-3x^4 - 4x^3y + 36x^2y^2 - 68xy^3 + 45y^4$	-1140		
$-3x^4 + 4x^3y + 36x^2y^2 + 68xy^3 + 45y^4$	-1140		
$-3x^4 + 5x^3y + 3x^2y^2 + 19xy^3 + 24y^4$	-1140		
$-x^4 + 95y^4$	-1140		(1, 0)
$-x^4 + 114x^2y^2 - 684xy^3 + 1178y^4$	-1140		(1, 0)
$-x^4 + 114x^2y^2 + 684xy^3 + 1178y^4$	-1140		(1, 0)
$-x^4 + 2x^3y + 6x^2y^2 - 52xy^3 + 124y^4$	-1140		(1, 0)
$-x^4 + 2x^3y + 6x^2y^2 + 38xy^3 + 79y^4$	-1140		(1, 0)
$x^4 - 114x^2y^2 - 684xy^3 - 1178y^4$	-1140	(1, 0)	
$x^4 - 114x^2y^2 + 684xy^3 - 1178y^4$	-1140	(1, 0)	
$x^4 - 95y^4$	-1140	(1, 0)	
$x^4 + 2x^3y - 6x^2y^2 - 52xy^3 - 124y^4$	-1140	(1, 0)	
$x^4 + 2x^3y - 6x^2y^2 + 38xy^3 - 79y^4$	-1140	(1, 0)	
$3x^4 - 5x^3y - 3x^2y^2 - 19xy^3 - 24y^4$	-1140		
$3x^4 - 4x^3y - 36x^2y^2 - 68xy^3 - 45y^4$	-1140		
$3x^4 + 4x^3y - 36x^2y^2 + 68xy^3 - 45y^4$	-1140		
$3x^4 + 5x^3y - 3x^2y^2 + 19xy^3 - 24y^4$	-1140		
$4x^4 - 4x^3y - 6x^2y^2 + 26xy^3 - 31y^4$	-1140		
$4x^4 + 4x^3y - 6x^2y^2 - 26xy^3 - 31y^4$	-1140		
$5x^4 - 19y^4$	-1140		
$6x^4 - 4x^3y - 18x^2y^2 + 40xy^3 - 27y^4$	-1140		
$6x^4 + 4x^3y - 18x^2y^2 - 40xy^3 - 27y^4$	-1140		
$10x^4 - 12x^3y - 6x^2y^2 + 24xy^3 - 17y^4$	-1140		(1, 1)
$10x^4 + 12x^3y - 6x^2y^2 - 24xy^3 - 17y^4$	-1140		(1, -1)
$11x^4 - 18x^3y - 6x^2y^2 - 12xy^3 - 4y^4$	-1140		
$11x^4 + 18x^3y - 6x^2y^2 + 12xy^3 - 4y^4$	-1140		
$-13x^4 - 25x^3y - 18x^2y^2 - 5xy^3 + 7y^4$	-1143		
$-13x^4 + 25x^3y - 18x^2y^2 + 5xy^3 + 7y^4$	-1143		
$-7x^4 - 5x^3y + 18x^2y^2 - 25xy^3 + 13y^4$	-1143		
$-7x^4 + 5x^3y + 18x^2y^2 + 25xy^3 + 13y^4$	-1143		
$-6x^4 - 8x^3y + 21x^2y^2 - 27xy^3 + 13y^4$	-1143		
$-6x^4 + 8x^3y + 21x^2y^2 + 27xy^3 + 13y^4$	-1143		
$6x^4 - 8x^3y - 21x^2y^2 - 27xy^3 - 13y^4$	-1143		
$6x^4 + 8x^3y - 21x^2y^2 + 27xy^3 - 13y^4$	-1143		
$7x^4 - 5x^3y - 18x^2y^2 - 25xy^3 - 13y^4$	-1143		
$7x^4 + 5x^3y - 18x^2y^2 + 25xy^3 - 13y^4$	-1143		
$13x^4 - 25x^3y + 18x^2y^2 - 5xy^3 - 7y^4$	-1143		
$13x^4 + 25x^3y + 18x^2y^2 + 5xy^3 - 7y^4$	-1143		
$-5x^4 - 3x^3y + 6xy^3 + 20y^4$	-1146		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-5x^4 + 3x^3y - 6xy^3 + 20y^4$	-1146		
$5x^4 - 3x^3y + 6xy^3 - 20y^4$	-1146		
$5x^4 + 3x^3y - 6xy^3 - 20y^4$	-1146		
$-11x^4 - 10x^3y + 10xy^3 + 11y^4$	-1152		
$-11x^4 + 10x^3y - 10xy^3 + 11y^4$	-1152		
$-9x^4 - 12x^3y + 16xy^3 + 16y^4$	-1152		
$-9x^4 + 12x^3y - 16xy^3 + 16y^4$	-1152		
$-5x^4 - 8x^3y + 24x^2y^2 - 32xy^3 + 16y^4$	-1152		
$-5x^4 + 8x^3y + 24x^2y^2 + 32xy^3 + 16y^4$	-1152		
$-3x^4 - 4x^3y + 48x^2y^2 - 96xy^3 + 64y^4$	-1152		
$-3x^4 + 32y^4$	-1152		
$-3x^4 + 4x^3y + 48x^2y^2 + 96xy^3 + 64y^4$	-1152		
$-x^4 + 96y^4$	-1152		(1, 0)
$-x^4 + 6x^2y^2 - 40xy^3 + 99y^4$	-1152		(1, 0)
$-x^4 + 6x^2y^2 + 40xy^3 + 99y^4$	-1152		(1, 0)
$-x^4 + 144x^2y^2 - 960xy^3 + 1824y^4$	-1152		(5, 1) (1, 0)
$-x^4 + 144x^2y^2 + 960xy^3 + 1824y^4$	-1152		(5, -1) (1, 0)
$x^4 - 144x^2y^2 - 960xy^3 - 1824y^4$	-1152	(5, -1) (1, 0)	
$x^4 - 144x^2y^2 + 960xy^3 - 1824y^4$	-1152	(5, 1) (1, 0)	
$x^4 - 6x^2y^2 - 40xy^3 - 99y^4$	-1152	(1, 0)	
$x^4 - 6x^2y^2 + 40xy^3 - 99y^4$	-1152	(1, 0)	
$x^4 - 96y^4$	-1152	(1, 0)	
$3x^4 - 4x^3y - 48x^2y^2 - 96xy^3 - 64y^4$	-1152		
$3x^4 - 32y^4$	-1152		
$3x^4 + 4x^3y - 48x^2y^2 + 96xy^3 - 64y^4$	-1152		
$5x^4 - 8x^3y - 24x^2y^2 - 32xy^3 - 16y^4$	-1152		
$5x^4 + 8x^3y - 24x^2y^2 + 32xy^3 - 16y^4$	-1152		
$9x^4 - 12x^3y + 16xy^3 - 16y^4$	-1152		
$9x^4 + 12x^3y - 16xy^3 - 16y^4$	-1152		
$11x^4 - 10x^3y + 10xy^3 - 11y^4$	-1152		
$11x^4 + 10x^3y - 10xy^3 - 11y^4$	-1152		
$-10x^4 + 20x^3y - 15x^2y^2 + 5xy^3 + 9y^4$	-1155		
$-9x^4 - 5x^3y + 15x^2y^2 - 20xy^3 + 10y^4$	-1155		
$-9x^4 + 5x^3y + 15x^2y^2 + 20xy^3 + 10y^4$	-1155		
$-6x^4 - 7x^3y + 21x^2y^2 - 28xy^3 + 14y^4$	-1155		
$-6x^4 - 4x^3y + 15x^2y^2 + 35xy^3 + 25y^4$	-1155		
$-6x^4 + 4x^3y + 15x^2y^2 - 35xy^3 + 25y^4$	-1155		
$-6x^4 + 7x^3y + 21x^2y^2 + 28xy^3 + 14y^4$	-1155		
$-3x^4 - 5x^3y + 42x^2y^2 - 77xy^3 + 49y^4$	-1155		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-3x^4 - x^3y + 48x^2y^2 + 131xy^3 + 107y^4$	-1155	(1, 0)	(1, 0)
$-3x^4 + x^3y + 48x^2y^2 - 131xy^3 + 107y^4$	-1155		
$-3x^4 + 5x^3y + 42x^2y^2 + 77xy^3 + 49y^4$	-1155		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 48y^4$	-1155		
$-x^4 - x^3y + 3x^2y^2 - 28xy^3 + 90y^4$	-1155		
$-x^4 + x^3y + 3x^2y^2 + 28xy^3 + 90y^4$	-1155		
$x^4 - x^3y - 3x^2y^2 - 28xy^3 - 90y^4$	-1155		
$x^4 + x^3y - 3x^2y^2 + 28xy^3 - 90y^4$	-1155		
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 48y^4$	-1155		
$3x^4 - 5x^3y - 42x^2y^2 - 77xy^3 - 49y^4$	-1155		
$3x^4 - x^3y - 48x^2y^2 + 131xy^3 - 107y^4$	-1155		
$3x^4 + x^3y - 48x^2y^2 - 131xy^3 - 107y^4$	-1155		
$3x^4 + 5x^3y - 42x^2y^2 + 77xy^3 - 49y^4$	-1155		
$6x^4 - 7x^3y - 21x^2y^2 - 28xy^3 - 14y^4$	-1155		
$6x^4 - 4x^3y - 15x^2y^2 + 35xy^3 - 25y^4$	-1155		
$6x^4 + 4x^3y - 15x^2y^2 - 35xy^3 - 25y^4$	-1155		
$6x^4 + 7x^3y - 21x^2y^2 + 28xy^3 - 14y^4$	-1155		
$9x^4 - 5x^3y - 15x^2y^2 - 20xy^3 - 10y^4$	-1155		
$9x^4 + 5x^3y - 15x^2y^2 + 20xy^3 - 10y^4$	-1155		
$10x^4 + 20x^3y + 15x^2y^2 + 5xy^3 - 9y^4$	-1155		
$-3x^4 - x^3y + 15x^2y^2 + 43xy^3 + 42y^4$	-1158	(1, 0)	(1, 0)
$-3x^4 + x^3y + 15x^2y^2 - 43xy^3 + 42y^4$	-1158		
$-x^4 - x^3y + 72x^2y^2 + 398xy^3 + 628y^4$	-1158		
$-x^4 + x^3y + 72x^2y^2 - 398xy^3 + 628y^4$	-1158		
$x^4 - x^3y - 72x^2y^2 + 398xy^3 - 628y^4$	-1158		
$x^4 + x^3y - 72x^2y^2 - 398xy^3 - 628y^4$	-1158		
$3x^4 - x^3y - 15x^2y^2 + 43xy^3 - 42y^4$	-1158		
$3x^4 + x^3y - 15x^2y^2 - 43xy^3 - 42y^4$	-1158		
$-13x^4 - 23x^3y - 15x^2y^2 - 2xy^3 + 8y^4$	-1161		
$-13x^4 + 23x^3y - 15x^2y^2 + 2xy^3 + 8y^4$	-1161		
$-8x^4 - 2x^3y + 15x^2y^2 - 23xy^3 + 13y^4$	-1161	(1, 0)	(1, 0)
$-8x^4 + 2x^3y + 15x^2y^2 + 23xy^3 + 13y^4$	-1161		
$-5x^4 - 9x^3y + 27x^2y^2 + 90xy^3 + 72y^4$	-1161		
$-5x^4 + 9x^3y + 27x^2y^2 - 90xy^3 + 72y^4$	-1161		
$-2x^4 - x^3y + 15x^2y^2 - 46xy^3 + 52y^4$	-1161		
$-2x^4 + x^3y + 15x^2y^2 + 46xy^3 + 52y^4$	-1161		
$2x^4 - x^3y - 15x^2y^2 - 46xy^3 - 52y^4$	-1161		
$2x^4 + x^3y - 15x^2y^2 + 46xy^3 - 52y^4$	-1161		
$5x^4 - 9x^3y - 27x^2y^2 + 90xy^3 - 72y^4$	-1161		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$5x^4 + 9x^3y - 27x^2y^2 - 90xy^3 - 72y^4$	-1161		
$8x^4 - 2x^3y - 15x^2y^2 - 23xy^3 - 13y^4$	-1161		
$8x^4 + 2x^3y - 15x^2y^2 + 23xy^3 - 13y^4$	-1161		
$13x^4 - 23x^3y + 15x^2y^2 - 2xy^3 - 8y^4$	-1161		
$13x^4 + 23x^3y + 15x^2y^2 + 2xy^3 - 8y^4$	-1161		
$-9x^4 - 8x^3y - 8xy^3 + 9y^4$	-1164		
$-9x^4 + 8x^3y + 8xy^3 + 9y^4$	-1164		
$-6x^4 - x^3y + 6x^2y^2 - 16xy^3 + 16y^4$	-1164		(1, 1)
$-6x^4 + x^3y + 6x^2y^2 + 16xy^3 + 16y^4$	-1164		(1, -1)
$-x^4 - x^3y + 30x^2y^2 - 112xy^3 + 144y^4$	-1164		(1, 0)
$-x^4 + 97y^4$	-1164		(1, 0)
$-x^4 + x^3y + 30x^2y^2 + 112xy^3 + 144y^4$	-1164		(1, 0)
$x^4 - x^3y - 30x^2y^2 - 112xy^3 - 144y^4$	-1164	(1, 0)	
$x^4 - 97y^4$	-1164	(1, 0)	
$x^4 + x^3y - 30x^2y^2 + 112xy^3 - 144y^4$	-1164	(1, 0)	
$6x^4 - x^3y - 6x^2y^2 - 16xy^3 - 16y^4$	-1164	(1, -1)	
$6x^4 + x^3y - 6x^2y^2 + 16xy^3 - 16y^4$	-1164	(1, 1)	
$9x^4 - 8x^3y - 8xy^3 - 9y^4$	-1164		
$9x^4 + 8x^3y + 8xy^3 - 9y^4$	-1164		
$-5x^4 - 3x^3y + 21x^2y^2 + 48xy^3 + 34y^4$	-1167		
$-5x^4 + 3x^3y + 21x^2y^2 - 48xy^3 + 34y^4$	-1167		
$5x^4 - 3x^3y - 21x^2y^2 + 48xy^3 - 34y^4$	-1167		
$5x^4 + 3x^3y - 21x^2y^2 - 48xy^3 - 34y^4$	-1167		
$-12x^4 - x^3y + 9x^2y^2 + 15xy^3 + 9y^4$	-1170		
$-12x^4 + x^3y + 9x^2y^2 - 15xy^3 + 9y^4$	-1170		
$-9x^4 - 15x^3y - 9x^2y^2 + xy^3 + 12y^4$	-1170		
$-9x^4 + 15x^3y - 9x^2y^2 - xy^3 + 12y^4$	-1170		
$-8x^4 - 10x^3y + 18x^2y^2 - 21xy^3 + 9y^4$	-1170		
$-8x^4 + 10x^3y + 18x^2y^2 + 21xy^3 + 9y^4$	-1170		
$-4x^4 - 2x^3y + 5xy^3 + 25y^4$	-1170		
$-4x^4 + 2x^3y - 5xy^3 + 25y^4$	-1170		
$-2x^4 - 3x^3y + 21x^2y^2 + 85xy^3 + 99y^4$	-1170		
$-2x^4 + 3x^3y + 21x^2y^2 - 85xy^3 + 99y^4$	-1170		
$-x^4 - x^3y + 10xy^3 + 100y^4$	-1170		(1, 0)
$-x^4 + x^3y - 10xy^3 + 100y^4$	-1170		(1, 0)
$x^4 - x^3y + 10xy^3 - 100y^4$	-1170	(1, 0)	
$x^4 + x^3y - 10xy^3 - 100y^4$	-1170	(1, 0)	
$2x^4 - 3x^3y - 21x^2y^2 + 85xy^3 - 99y^4$	-1170		
$2x^4 + 3x^3y - 21x^2y^2 - 85xy^3 - 99y^4$	-1170		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$4x^4 - 2x^3y + 5xy^3 - 25y^4$	-1170	(1, 0)	(1, 0)
$4x^4 + 2x^3y - 5xy^3 - 25y^4$	-1170		
$8x^4 - 10x^3y - 18x^2y^2 - 21xy^3 - 9y^4$	-1170		
$8x^4 + 10x^3y - 18x^2y^2 + 21xy^3 - 9y^4$	-1170		
$9x^4 - 15x^3y + 9x^2y^2 + xy^3 - 12y^4$	-1170		
$9x^4 + 15x^3y + 9x^2y^2 - xy^3 - 12y^4$	-1170		
$12x^4 - x^3y - 9x^2y^2 + 15xy^3 - 9y^4$	-1170		
$12x^4 + x^3y - 9x^2y^2 - 15xy^3 - 9y^4$	-1170		
$-10x^4 - 3x^3y + 3xy^3 + 10y^4$	-1173		
$-10x^4 + 3x^3y - 3xy^3 + 10y^4$	-1173		
$10x^4 - 3x^3y + 3xy^3 - 10y^4$	-1173		
$10x^4 + 3x^3y - 3xy^3 - 10y^4$	-1173		
$-5x^4 - 3x^3y + 3x^2y^2 + 15xy^3 + 22y^4$	-1176		
$-5x^4 - 2x^3y + 4xy^3 + 20y^4$	-1176		
$-5x^4 + 2x^3y - 4xy^3 + 20y^4$	-1176		
$-5x^4 + 3x^3y + 3x^2y^2 - 15xy^3 + 22y^4$	-1176		
$-3x^4 - 2x^3y + 24x^2y^2 + 68xy^3 + 60y^4$	-1176		
$-3x^4 + 2x^3y + 24x^2y^2 - 68xy^3 + 60y^4$	-1176		
$-2x^4 + 49y^4$	-1176		
$-2x^4 + 24x^2y^2 - 72xy^3 + 73y^4$	-1176		
$-2x^4 + 24x^2y^2 + 72xy^3 + 73y^4$	-1176		
$-x^4 + 98y^4$	-1176		
$x^4 - 98y^4$	-1176		
$2x^4 - 24x^2y^2 - 72xy^3 - 73y^4$	-1176		
$2x^4 - 24x^2y^2 + 72xy^3 - 73y^4$	-1176		
$2x^4 - 49y^4$	-1176		
$3x^4 - 2x^3y - 24x^2y^2 + 68xy^3 - 60y^4$	-1176		
$3x^4 + 2x^3y - 24x^2y^2 - 68xy^3 - 60y^4$	-1176		
$5x^4 - 3x^3y - 3x^2y^2 + 15xy^3 - 22y^4$	-1176		
$5x^4 - 2x^3y + 4xy^3 - 20y^4$	-1176		
$5x^4 + 2x^3y - 4xy^3 - 20y^4$	-1176		
$5x^4 + 3x^3y - 3x^2y^2 - 15xy^3 - 22y^4$	-1176		
$-6x^4 + 12x^3y - 9x^2y^2 + 3xy^3 + 16y^4$	-1179		
$-5x^4 - 7x^3y + 9x^2y^2 - 20xy^3 + 14y^4$	-1179		
$-5x^4 + 7x^3y + 9x^2y^2 + 20xy^3 + 14y^4$	-1179		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 49y^4$	-1179		
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 49y^4$	-1179		
$5x^4 - 7x^3y - 9x^2y^2 - 20xy^3 - 14y^4$	-1179		
$5x^4 + 7x^3y - 9x^2y^2 + 20xy^3 - 14y^4$	-1179		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$6x^4 + 12x^3y + 9x^2y^2 + 3xy^3 - 16y^4$	-1179		
$-11x^4 - 5x^3y + 9x^2y^2 - 14xy^3 + 8y^4$	-1185		
$-11x^4 + 5x^3y + 9x^2y^2 + 14xy^3 + 8y^4$	-1185		
$-8x^4 - 14x^3y - 9x^2y^2 - 5xy^3 + 11y^4$	-1185		
$-8x^4 + 14x^3y - 9x^2y^2 + 5xy^3 + 11y^4$	-1185		
$-2x^4 - x^3y + 5xy^3 + 50y^4$	-1185		
$-2x^4 + x^3y - 5xy^3 + 50y^4$	-1185		
$2x^4 - x^3y + 5xy^3 - 50y^4$	-1185		
$2x^4 + x^3y - 5xy^3 - 50y^4$	-1185		
$8x^4 - 14x^3y + 9x^2y^2 - 5xy^3 - 11y^4$	-1185		
$8x^4 + 14x^3y + 9x^2y^2 + 5xy^3 - 11y^4$	-1185		
$11x^4 - 5x^3y - 9x^2y^2 - 14xy^3 - 8y^4$	-1185		
$11x^4 + 5x^3y - 9x^2y^2 + 14xy^3 - 8y^4$	-1185		
$-11x^4 + 9y^4$	-1188		
$-9x^4 - 9x^3y + 9x^2y^2 - 15xy^3 + 8y^4$	-1188		
$-9x^4 + 11y^4$	-1188		
$-9x^4 + 9x^3y + 9x^2y^2 + 15xy^3 + 8y^4$	-1188		
$-8x^4 - 15x^3y - 9x^2y^2 - 9xy^3 + 9y^4$	-1188		
$-8x^4 + 15x^3y - 9x^2y^2 + 9xy^3 + 9y^4$	-1188		
$-5x^4 - 3x^3y + 3x^2y^2 - 13xy^3 + 18y^4$	-1188		
$-5x^4 + 3x^3y + 3x^2y^2 + 13xy^3 + 18y^4$	-1188		
$-2x^4 + 4x^3y + 6x^2y^2 - 44xy^3 + 73y^4$	-1188		
$-2x^4 + 4x^3y + 6x^2y^2 + 28xy^3 + 37y^4$	-1188		
$-x^4 - x^3y + 12x^2y^2 + 68xy^3 + 128y^4$	-1188		(1, 0)
$-x^4 + 99y^4$	-1188		(1, 0)
$-x^4 + 72x^2y^2 - 360xy^3 + 531y^4$	-1188		(1, 0)
$-x^4 + 72x^2y^2 + 360xy^3 + 531y^4$	-1188		(1, 0)
$-x^4 + x^3y + 12x^2y^2 - 68xy^3 + 128y^4$	-1188		(1, 0)
$x^4 - x^3y - 12x^2y^2 + 68xy^3 - 128y^4$	-1188	(1, 0)	
$x^4 - 72x^2y^2 - 360xy^3 - 531y^4$	-1188	(1, 0)	
$x^4 - 72x^2y^2 + 360xy^3 - 531y^4$	-1188	(1, 0)	
$x^4 - 99y^4$	-1188	(1, 0)	
$x^4 + x^3y - 12x^2y^2 - 68xy^3 - 128y^4$	-1188	(1, 0)	
$2x^4 + 4x^3y - 6x^2y^2 - 44xy^3 - 73y^4$	-1188		
$2x^4 + 4x^3y - 6x^2y^2 + 28xy^3 - 37y^4$	-1188		
$5x^4 - 3x^3y - 3x^2y^2 - 13xy^3 - 18y^4$	-1188		
$5x^4 + 3x^3y - 3x^2y^2 + 13xy^3 - 18y^4$	-1188		
$8x^4 - 15x^3y + 9x^2y^2 - 9xy^3 - 9y^4$	-1188		
$8x^4 + 15x^3y + 9x^2y^2 + 9xy^3 - 9y^4$	-1188		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$9x^4 - 9x^3y - 9x^2y^2 - 15xy^3 - 8y^4$	-1188		
$9x^4 - 11y^4$	-1188		
$9x^4 + 9x^3y - 9x^2y^2 + 15xy^3 - 8y^4$	-1188		
$11x^4 - 9y^4$	-1188		
$-3x^4 - 5x^3y + 42x^2y^2 + 151xy^3 + 145y^4$	-1191		
$-3x^4 + 5x^3y + 42x^2y^2 - 151xy^3 + 145y^4$	-1191		
$3x^4 - 5x^3y - 42x^2y^2 + 151xy^3 - 145y^4$	-1191		
$3x^4 + 5x^3y - 42x^2y^2 - 151xy^3 - 145y^4$	-1191		
$-5x^4 - x^3y + 2xy^3 + 20y^4$	-1194		
$-5x^4 + x^3y - 2xy^3 + 20y^4$	-1194		
$5x^4 - x^3y + 2xy^3 - 20y^4$	-1194		
$5x^4 + x^3y - 2xy^3 - 20y^4$	-1194		
$-13x^4 - 21x^3y - 12x^2y^2 + xy^3 + 9y^4$	-1197		
$-13x^4 + 21x^3y - 12x^2y^2 - xy^3 + 9y^4$	-1197		
$-12x^4 - 14x^3y - 3x^2y^2 + 9xy^3 + 11y^4$	-1197	$(1, -1)$	
$-12x^4 + 14x^3y - 3x^2y^2 - 9xy^3 + 11y^4$	-1197	$(1, 1)$	
$-11x^4 - 9x^3y + 3x^2y^2 + 14xy^3 + 12y^4$	-1197		$(1, -1)$
$-11x^4 + 9x^3y + 3x^2y^2 - 14xy^3 + 12y^4$	-1197		$(1, 1)$
$-10x^4 - x^3y + xy^3 + 10y^4$	-1197		
$-10x^4 + x^3y - xy^3 + 10y^4$	-1197		
$-9x^4 - x^3y + 12x^2y^2 + 21xy^3 + 13y^4$	-1197		
$-9x^4 + x^3y + 12x^2y^2 - 21xy^3 + 13y^4$	-1197		
$-8x^4 - 11x^3y - 3x^2y^2 + 10xy^3 + 16y^4$	-1197		
$-8x^4 + 11x^3y - 3x^2y^2 - 10xy^3 + 16y^4$	-1197		
$-6x^4 - 9x^3y + 27x^2y^2 + 78xy^3 + 56y^4$	-1197		
$-6x^4 + 9x^3y + 27x^2y^2 - 78xy^3 + 56y^4$	-1197		
$-4x^4 - 5x^3y + 3x^2y^2 + 22xy^3 + 32y^4$	-1197		
$-4x^4 - 2x^3y + 21x^2y^2 - 41xy^3 + 29y^4$	-1197		
$-4x^4 - 2x^3y + 45x^2y^2 + 111xy^3 + 81y^4$	-1197		
$-4x^4 + 2x^3y + 21x^2y^2 + 41xy^3 + 29y^4$	-1197		
$-4x^4 + 2x^3y + 45x^2y^2 - 111xy^3 + 81y^4$	-1197		
$-4x^4 + 5x^3y + 3x^2y^2 - 22xy^3 + 32y^4$	-1197		
$-3x^4 - 5x^3y - 15xy^3 + 27y^4$	-1197		
$-3x^4 - 3x^3y + 63x^2y^2 + 210xy^3 + 196y^4$	-1197		
$-3x^4 + 3x^3y + 63x^2y^2 - 210xy^3 + 196y^4$	-1197		
$-3x^4 + 5x^3y + 15xy^3 + 27y^4$	-1197		
$-x^4 - x^3y + 21x^2y^2 - 82xy^3 + 116y^4$	-1197		$(1, 0)$
$-x^4 - x^3y + 45x^2y^2 + 222xy^3 + 324y^4$	-1197		$(1, 0)$
$-x^4 - x^3y + 198x^2y^2 - 1439xy^3 + 3007y^4$	-1197		$(1, 0)$

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-x^4 + x^3y + 21x^2y^2 + 82xy^3 + 116y^4$	-1197		(1, 0)
$-x^4 + x^3y + 45x^2y^2 - 222xy^3 + 324y^4$	-1197		(1, 0)
$-x^4 + x^3y + 198x^2y^2 + 1439xy^3 + 3007y^4$	-1197		(1, 0)
$x^4 - x^3y - 198x^2y^2 - 1439xy^3 - 3007y^4$	-1197	(1, 0)	
$x^4 - x^3y - 45x^2y^2 + 222xy^3 - 324y^4$	-1197	(1, 0)	
$x^4 - x^3y - 21x^2y^2 - 82xy^3 - 116y^4$	-1197	(1, 0)	
$x^4 + x^3y - 198x^2y^2 + 1439xy^3 - 3007y^4$	-1197	(1, 0)	
$x^4 + x^3y - 45x^2y^2 - 222xy^3 - 324y^4$	-1197	(1, 0)	
$x^4 + x^3y - 21x^2y^2 + 82xy^3 - 116y^4$	-1197	(1, 0)	
$3x^4 - 5x^3y - 15xy^3 - 27y^4$	-1197		
$3x^4 - 3x^3y - 63x^2y^2 + 210xy^3 - 196y^4$	-1197		
$3x^4 + 3x^3y - 63x^2y^2 - 210xy^3 - 196y^4$	-1197		
$3x^4 + 5x^3y + 15xy^3 - 27y^4$	-1197		
$4x^4 - 5x^3y - 3x^2y^2 + 22xy^3 - 32y^4$	-1197		
$4x^4 - 2x^3y - 45x^2y^2 + 111xy^3 - 81y^4$	-1197		
$4x^4 - 2x^3y - 21x^2y^2 - 41xy^3 - 29y^4$	-1197		
$4x^4 + 2x^3y - 45x^2y^2 - 111xy^3 - 81y^4$	-1197		
$4x^4 + 2x^3y - 21x^2y^2 + 41xy^3 - 29y^4$	-1197		
$4x^4 + 5x^3y - 3x^2y^2 - 22xy^3 - 32y^4$	-1197		
$6x^4 - 9x^3y - 27x^2y^2 + 78xy^3 - 56y^4$	-1197		
$6x^4 + 9x^3y - 27x^2y^2 - 78xy^3 - 56y^4$	-1197		
$8x^4 - 11x^3y + 3x^2y^2 + 10xy^3 - 16y^4$	-1197		
$8x^4 + 11x^3y + 3x^2y^2 - 10xy^3 - 16y^4$	-1197		
$9x^4 - x^3y - 12x^2y^2 + 21xy^3 - 13y^4$	-1197		
$9x^4 + x^3y - 12x^2y^2 - 21xy^3 - 13y^4$	-1197		
$10x^4 - x^3y + xy^3 - 10y^4$	-1197		
$10x^4 + x^3y - xy^3 - 10y^4$	-1197		
$11x^4 - 9x^3y - 3x^2y^2 + 14xy^3 - 12y^4$	-1197	(1, 1)	
$11x^4 + 9x^3y - 3x^2y^2 - 14xy^3 - 12y^4$	-1197	(1, -1)	
$12x^4 - 14x^3y + 3x^2y^2 + 9xy^3 - 11y^4$	-1197		(1, 1)
$12x^4 + 14x^3y + 3x^2y^2 - 9xy^3 - 11y^4$	-1197		(1, -1)
$13x^4 - 21x^3y + 12x^2y^2 + xy^3 - 9y^4$	-1197		
$13x^4 + 21x^3y + 12x^2y^2 - xy^3 - 9y^4$	-1197		
$-8x^4 - 4x^3y + 6x^2y^2 + 17xy^3 + 15y^4$	-1200		
$-8x^4 + 4x^3y + 6x^2y^2 - 17xy^3 + 15y^4$	-1200		
$-4x^4 + 25y^4$	-1200		
$-3x^4 - 2x^3y + 12x^2y^2 - 32xy^3 + 32y^4$	-1200		
$-3x^4 + 2x^3y + 12x^2y^2 + 32xy^3 + 32y^4$	-1200		
$-x^4 + 100y^4$	-1200		(1, 0)

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$x^4 - 100y^4$	-1200	(1, 0)	
$3x^4 - 2x^3y - 12x^2y^2 - 32xy^3 - 32y^4$	-1200		
$3x^4 + 2x^3y - 12x^2y^2 + 32xy^3 - 32y^4$	-1200		
$4x^4 - 25y^4$	-1200		
$8x^4 - 4x^3y - 6x^2y^2 + 17xy^3 - 15y^4$	-1200		
$8x^4 + 4x^3y - 6x^2y^2 - 17xy^3 - 15y^4$	-1200		
$-10x^4 - x^3y - xy^3 + 10y^4$	-1203		
$-10x^4 + x^3y + xy^3 + 10y^4$	-1203		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 50y^4$	-1203		
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 50y^4$	-1203		
$10x^4 - x^3y - xy^3 - 10y^4$	-1203		
$10x^4 + x^3y + xy^3 - 10y^4$	-1203		
$-5x^4 - x^3y - 2xy^3 + 20y^4$	-1206		
$-5x^4 + x^3y + 2xy^3 + 20y^4$	-1206		
$-2x^4 - 3x^3y + 30x^2y^2 + 118xy^3 + 132y^4$	-1206		
$-2x^4 + 3x^3y + 30x^2y^2 - 118xy^3 + 132y^4$	-1206		
$2x^4 - 3x^3y - 30x^2y^2 + 118xy^3 - 132y^4$	-1206		
$2x^4 + 3x^3y - 30x^2y^2 - 118xy^3 - 132y^4$	-1206		
$5x^4 - x^3y - 2xy^3 - 20y^4$	-1206		
$5x^4 + x^3y + 2xy^3 - 20y^4$	-1206		
$-11x^4 - 9x^3y + 9xy^3 + 11y^4$	-1209		
$-11x^4 + 9x^3y - 9xy^3 + 11y^4$	-1209		
$11x^4 - 9x^3y + 9xy^3 - 11y^4$	-1209		
$11x^4 + 9x^3y - 9xy^3 - 11y^4$	-1209		
$-4x^4 + 8x^3y - 6x^2y^2 + 2xy^3 + 25y^4$	-1212		
$-x^4 + 101y^4$	-1212		(1, 0)
$-x^4 + 150x^2y^2 - 1020xy^3 + 1976y^4$	-1212	(5, 1)	(1, 0)
$-x^4 + 150x^2y^2 + 1020xy^3 + 1976y^4$	-1212	(5, -1)	(1, 0)
$x^4 - 150x^2y^2 - 1020xy^3 - 1976y^4$	-1212	(1, 0)	(5, -1)
$x^4 - 150x^2y^2 + 1020xy^3 - 1976y^4$	-1212	(1, 0)	(5, 1)
$x^4 - 101y^4$	-1212	(1, 0)	
$4x^4 + 8x^3y + 6x^2y^2 + 2xy^3 - 25y^4$	-1212		
$-2x^4 - x^3y - 5xy^3 + 50y^4$	-1215		
$-2x^4 + 27x^2y^2 - 81xy^3 + 81y^4$	-1215		
$-2x^4 + 27x^2y^2 + 81xy^3 + 81y^4$	-1215		
$-2x^4 + x^3y + 5xy^3 + 50y^4$	-1215		
$-x^4 - x^3y + 3x^2y^2 + 32xy^3 + 110y^4$	-1215		(1, 0)
$-x^4 + x^3y + 3x^2y^2 - 32xy^3 + 110y^4$	-1215		(1, 0)
$x^4 - x^3y - 3x^2y^2 + 32xy^3 - 110y^4$	-1215	(1, 0)	

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$x^4 + x^3y - 3x^2y^2 - 32xy^3 - 110y^4$	-1215	(1, 0)	
$2x^4 - x^3y - 5xy^3 - 50y^4$	-1215		
$2x^4 - 27x^2y^2 - 81xy^3 - 81y^4$	-1215		
$2x^4 - 27x^2y^2 + 81xy^3 - 81y^4$	-1215		
$2x^4 + x^3y + 5xy^3 - 50y^4$	-1215		
$-3x^4 - 5x^3y + 18x^2y^2 + 70xy^3 + 72y^4$	-1218		
$-3x^4 + 5x^3y + 18x^2y^2 - 70xy^3 + 72y^4$	-1218		
$-x^4 - x^3y + 84x^2y^2 - 406xy^3 + 588y^4$	-1218		(1, 0)
$-x^4 + x^3y + 84x^2y^2 + 406xy^3 + 588y^4$	-1218		(1, 0)
$x^4 - x^3y - 84x^2y^2 - 406xy^3 - 588y^4$	-1218	(1, 0)	
$x^4 + x^3y - 84x^2y^2 + 406xy^3 - 588y^4$	-1218	(1, 0)	
$3x^4 - 5x^3y - 18x^2y^2 + 70xy^3 - 72y^4$	-1218		
$3x^4 + 5x^3y - 18x^2y^2 - 70xy^3 - 72y^4$	-1218		
$-12x^4 - 22x^3y - 9x^2y^2 + 13xy^3 + 15y^4$	-1221		
$-12x^4 - 13x^3y + 13xy^3 + 12y^4$	-1221		
$-12x^4 + 13x^3y - 13xy^3 + 12y^4$	-1221		
$-12x^4 + 22x^3y - 9x^2y^2 - 13xy^3 + 15y^4$	-1221		
$-3x^4 - x^3y + 6x^2y^2 - 23xy^3 + 33y^4$	-1221		
$-3x^4 - x^3y + 36x^2y^2 - 83xy^3 + 63y^4$	-1221		
$-3x^4 + x^3y + 6x^2y^2 + 23xy^3 + 33y^4$	-1221		
$-3x^4 + x^3y + 36x^2y^2 + 83xy^3 + 63y^4$	-1221		
$3x^4 - x^3y - 36x^2y^2 - 83xy^3 - 63y^4$	-1221		
$3x^4 - x^3y - 6x^2y^2 - 23xy^3 - 33y^4$	-1221		
$3x^4 + x^3y - 36x^2y^2 + 83xy^3 - 63y^4$	-1221		
$3x^4 + x^3y - 6x^2y^2 + 23xy^3 - 33y^4$	-1221		
$12x^4 - 22x^3y + 9x^2y^2 + 13xy^3 - 15y^4$	-1221		
$12x^4 - 13x^3y + 13xy^3 - 12y^4$	-1221		
$12x^4 + 13x^3y - 13xy^3 - 12y^4$	-1221		
$12x^4 + 22x^3y + 9x^2y^2 - 13xy^3 - 15y^4$	-1221		
$-6x^4 + 17y^4$	-1224		
$-5x^4 - 2x^3y - 4xy^3 + 20y^4$	-1224		
$-5x^4 + 2x^3y + 4xy^3 + 20y^4$	-1224		
$-3x^4 + 34y^4$	-1224		
$-2x^4 + 51y^4$	-1224		
$-x^4 + 102y^4$	-1224		(1, 0)
$-x^4 + 2x^3y + 72x^2y^2 - 444xy^3 + 756y^4$	-1224		(1, 0)
$-x^4 + 2x^3y + 72x^2y^2 + 298xy^3 + 385y^4$	-1224		(1, 0)
$x^4 - 102y^4$	-1224	(1, 0)	
$x^4 + 2x^3y - 72x^2y^2 - 444xy^3 - 756y^4$	-1224	(1, 0)	

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$x^4 + 2x^3y - 72x^2y^2 + 298xy^3 - 385y^4$	-1224	(1, 0)	
$2x^4 - 51y^4$	-1224		
$3x^4 - 34y^4$	-1224		
$5x^4 - 2x^3y - 4xy^3 - 20y^4$	-1224		
$5x^4 + 2x^3y + 4xy^3 - 20y^4$	-1224		
$6x^4 - 17y^4$	-1224		
$-10x^4 - 3x^3y - 3xy^3 + 10y^4$	-1227		
$-10x^4 + 3x^3y + 3xy^3 + 10y^4$	-1227		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 51y^4$	-1227		
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 51y^4$	-1227		
$10x^4 - 3x^3y - 3xy^3 - 10y^4$	-1227		
$10x^4 + 3x^3y + 3xy^3 - 10y^4$	-1227		
$-10x^4 - 7x^3y + 12x^2y^2 + 26xy^3 + 16y^4$	-1230	(1, -1)	
$-10x^4 + 7x^3y + 12x^2y^2 - 26xy^3 + 16y^4$	-1230	(1, 1)	
$-4x^4 - 3x^3y + 3x^2y^2 - 15xy^3 + 23y^4$	-1230		
$-4x^4 - 2x^3y - 5xy^3 + 25y^4$	-1230		
$-4x^4 + 2x^3y + 5xy^3 + 25y^4$	-1230		
$-4x^4 + 3x^3y + 3x^2y^2 + 15xy^3 + 23y^4$	-1230		
$-x^4 - x^3y - 10xy^3 + 100y^4$	-1230	(1, 0)	
$-x^4 - x^3y + 138x^2y^2 - 838xy^3 + 1480y^4$	-1230	(1, 0)	
$-x^4 + x^3y + 10xy^3 + 100y^4$	-1230	(1, 0)	
$-x^4 + x^3y + 138x^2y^2 + 838xy^3 + 1480y^4$	-1230	(1, 0)	
$x^4 - x^3y - 138x^2y^2 - 838xy^3 - 1480y^4$	-1230	(1, 0)	
$x^4 - x^3y - 10xy^3 - 100y^4$	-1230	(1, 0)	
$x^4 + x^3y - 138x^2y^2 + 838xy^3 - 1480y^4$	-1230	(1, 0)	
$x^4 + x^3y + 10xy^3 - 100y^4$	-1230	(1, 0)	
$4x^4 - 3x^3y - 3x^2y^2 - 15xy^3 - 23y^4$	-1230		
$4x^4 - 2x^3y - 5xy^3 - 25y^4$	-1230		
$4x^4 + 2x^3y + 5xy^3 - 25y^4$	-1230		
$4x^4 + 3x^3y - 3x^2y^2 + 15xy^3 - 23y^4$	-1230		
$10x^4 - 7x^3y - 12x^2y^2 + 26xy^3 - 16y^4$	-1230		(1, 1)
$10x^4 + 7x^3y - 12x^2y^2 - 26xy^3 - 16y^4$	-1230		(1, -1)
$-x^4 + 103y^4$	-1236		
$x^4 - 103y^4$	-1236	(1, 0)	
$-6x^4 - 8x^3y - 3x^2y^2 - 7xy^3 + 15y^4$	-1239		
$-6x^4 + 8x^3y - 3x^2y^2 + 7xy^3 + 15y^4$	-1239		
$6x^4 - 8x^3y + 3x^2y^2 - 7xy^3 - 15y^4$	-1239		
$6x^4 + 8x^3y + 3x^2y^2 + 7xy^3 - 15y^4$	-1239		
$-4x^4 - 2x^3y + 18x^2y^2 - 37xy^3 + 28y^4$	-1242		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-4x^4 + 2x^3y + 18x^2y^2 + 37xy^3 + 28y^4$	-1242	(1, 0)	(1, 0)
$-x^4 - x^3y + 18x^2y^2 - 74xy^3 + 112y^4$	-1242		
$-x^4 + x^3y + 18x^2y^2 + 74xy^3 + 112y^4$	-1242		
$x^4 - x^3y - 18x^2y^2 - 74xy^3 - 112y^4$	-1242		
$x^4 + x^3y - 18x^2y^2 + 74xy^3 - 112y^4$	-1242		
$4x^4 - 2x^3y - 18x^2y^2 - 37xy^3 - 28y^4$	-1242		
$4x^4 + 2x^3y - 18x^2y^2 + 37xy^3 - 28y^4$	-1242		
$-13x^4 + 8y^4$	-1248		
$-8x^4 + 13y^4$	-1248		
$-x^4 + 104y^4$	-1248		
$x^4 - 104y^4$	-1248	(1, 0)	(1, 0)
$8x^4 - 13y^4$	-1248		
$13x^4 - 8y^4$	-1248		
$-13x^4 - 19x^3y - 9x^2y^2 + 4xy^3 + 10y^4$	-1251		
$-13x^4 + 19x^3y - 9x^2y^2 - 4xy^3 + 10y^4$	-1251		
$-10x^4 - 4x^3y + 9x^2y^2 + 19xy^3 + 13y^4$	-1251		
$-10x^4 + 4x^3y + 9x^2y^2 - 19xy^3 + 13y^4$	-1251		
$-6x^4 + 12x^3y - 9x^2y^2 + 3xy^3 + 17y^4$	-1251		
$-3x^4 - 5x^3y + 63x^2y^2 - 132xy^3 + 90y^4$	-1251		
$-3x^4 + 5x^3y + 63x^2y^2 + 132xy^3 + 90y^4$	-1251		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 52y^4$	-1251	(1, 0)	(1, 0)
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 52y^4$	-1251		
$3x^4 - 5x^3y - 63x^2y^2 - 132xy^3 - 90y^4$	-1251		
$3x^4 + 5x^3y - 63x^2y^2 + 132xy^3 - 90y^4$	-1251		
$6x^4 + 12x^3y + 9x^2y^2 + 3xy^3 - 17y^4$	-1251		
$10x^4 - 4x^3y - 9x^2y^2 + 19xy^3 - 13y^4$	-1251		
$10x^4 + 4x^3y - 9x^2y^2 - 19xy^3 - 13y^4$	-1251		
$13x^4 - 19x^3y + 9x^2y^2 + 4xy^3 - 10y^4$	-1251		
$13x^4 + 19x^3y + 9x^2y^2 - 4xy^3 - 10y^4$	-1251		
$-5x^4 - 3x^3y - 6xy^3 + 20y^4$	-1254		
$-5x^4 + 3x^3y + 6xy^3 + 20y^4$	-1254	(1, 0)	(1, 0)
$-4x^4 - 7x^3y + 3x^2y^2 + 29xy^3 + 39y^4$	-1254		
$-4x^4 + 7x^3y + 3x^2y^2 - 29xy^3 + 39y^4$	-1254		
$4x^4 - 7x^3y - 3x^2y^2 + 29xy^3 - 39y^4$	-1254		
$4x^4 + 7x^3y - 3x^2y^2 - 29xy^3 - 39y^4$	-1254		
$5x^4 - 3x^3y - 6xy^3 - 20y^4$	-1254		
$5x^4 + 3x^3y + 6xy^3 - 20y^4$	-1254		
$-13x^4 - 16x^3y + 16xy^3 + 13y^4$	-1260		
$-13x^4 + 16x^3y - 16xy^3 + 13y^4$	-1260		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-11x^4 - 8x^3y + 8xy^3 + 11y^4$	-1260		
$-11x^4 + 8x^3y - 8xy^3 + 11y^4$	-1260		
$-8x^4 - 12x^3y - 6x^2y^2 + 4xy^3 + 15y^4$	-1260		
$-8x^4 + 12x^3y - 6x^2y^2 - 4xy^3 + 15y^4$	-1260		
$-7x^4 + 15y^4$	-1260		
$-5x^4 + 21y^4$	-1260		
$-3x^4 + 35y^4$	-1260		
$-2x^4 - 3x^3y + 18x^2y^2 - 48xy^3 + 48y^4$	-1260		
$-2x^4 + 3x^3y + 18x^2y^2 + 48xy^3 + 48y^4$	-1260		
$-x^4 - x^3y + 39x^2y^2 - 151xy^3 + 194y^4$	-1260		(1, 0)
$-x^4 + 105y^4$	-1260		(1, 0)
$-x^4 + 24x^2y^2 - 104xy^3 + 153y^4$	-1260		(1, 0)
$-x^4 + 24x^2y^2 + 104xy^3 + 153y^4$	-1260		(1, 0)
$-x^4 + x^3y + 39x^2y^2 + 151xy^3 + 194y^4$	-1260		(1, 0)
$x^4 - x^3y - 39x^2y^2 - 151xy^3 - 194y^4$	-1260	(1, 0)	
$x^4 - 24x^2y^2 - 104xy^3 - 153y^4$	-1260	(1, 0)	
$x^4 - 24x^2y^2 + 104xy^3 - 153y^4$	-1260	(1, 0)	
$x^4 - 105y^4$	-1260	(1, 0)	
$x^4 + x^3y - 39x^2y^2 + 151xy^3 - 194y^4$	-1260	(1, 0)	
$2x^4 - 3x^3y - 18x^2y^2 - 48xy^3 - 48y^4$	-1260		
$2x^4 + 3x^3y - 18x^2y^2 + 48xy^3 - 48y^4$	-1260		
$3x^4 - 35y^4$	-1260		
$5x^4 - 21y^4$	-1260		
$7x^4 - 15y^4$	-1260		
$8x^4 - 12x^3y + 6x^2y^2 + 4xy^3 - 15y^4$	-1260		
$8x^4 + 12x^3y + 6x^2y^2 - 4xy^3 - 15y^4$	-1260		
$11x^4 - 8x^3y + 8xy^3 - 11y^4$	-1260		
$11x^4 + 8x^3y - 8xy^3 - 11y^4$	-1260		
$13x^4 - 16x^3y + 16xy^3 - 13y^4$	-1260		
$13x^4 + 16x^3y - 16xy^3 - 13y^4$	-1260		
$-7x^4 - 13x^3y + 3x^2y^2 + 32xy^3 + 30y^4$	-1263		
$-7x^4 + 13x^3y + 3x^2y^2 - 32xy^3 + 30y^4$	-1263		
$7x^4 - 13x^3y - 3x^2y^2 + 32xy^3 - 30y^4$	-1263		
$7x^4 + 13x^3y - 3x^2y^2 - 32xy^3 - 30y^4$	-1263		
$-4x^4 - 7x^3y + 45x^2y^2 + 154xy^3 + 136y^4$	-1269		
$-4x^4 + 7x^3y + 45x^2y^2 - 154xy^3 + 136y^4$	-1269		
$4x^4 - 7x^3y - 45x^2y^2 + 154xy^3 - 136y^4$	-1269		
$4x^4 + 7x^3y - 45x^2y^2 - 154xy^3 - 136y^4$	-1269		
$-9x^4 - 10x^3y - 10xy^3 + 9y^4$	-1272		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-9x^4 + 10x^3y + 10xy^3 + 9y^4$	-1272	(1, 0)	(1, 0)
$-5x^4 - 2x^3y + 24x^2y^2 + 52xy^3 + 36y^4$	-1272		
$-5x^4 + 2x^3y + 24x^2y^2 - 52xy^3 + 36y^4$	-1272		
$-2x^4 + 53y^4$	-1272		
$-x^4 + 106y^4$	-1272		
$x^4 - 106y^4$	-1272		
$2x^4 - 53y^4$	-1272		
$5x^4 - 2x^3y - 24x^2y^2 + 52xy^3 - 36y^4$	-1272		
$5x^4 + 2x^3y - 24x^2y^2 - 52xy^3 - 36y^4$	-1272		
$9x^4 - 10x^3y - 10xy^3 - 9y^4$	-1272		
$9x^4 + 10x^3y + 10xy^3 - 9y^4$	-1272		
$-8x^4 - 13x^3y - 13xy^3 + 8y^4$	-1275		
$-8x^4 + 13x^3y + 13xy^3 + 8y^4$	-1275		
$-4x^4 - 3x^3y + 33x^2y^2 - 60xy^3 + 38y^4$	-1275		
$-4x^4 + 3x^3y + 33x^2y^2 + 60xy^3 + 38y^4$	-1275		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 53y^4$	-1275		
$-x^4 - x^3y + 159x^2y^2 - 1036xy^3 + 1954y^4$	-1275		
$-x^4 + x^3y + 159x^2y^2 + 1036xy^3 + 1954y^4$	-1275		
$x^4 - x^3y - 159x^2y^2 - 1036xy^3 - 1954y^4$	-1275	(5, -1) (1, 0)	(5, 1) (1, 0)
$x^4 + x^3y - 159x^2y^2 + 1036xy^3 - 1954y^4$	-1275	(5, 1) (1, 0)	
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 53y^4$	-1275	(5, -1) (1, 0)	(5, 1) (1, 0)
$4x^4 - 3x^3y - 33x^2y^2 - 60xy^3 - 38y^4$	-1275		
$4x^4 + 3x^3y - 33x^2y^2 + 60xy^3 - 38y^4$	-1275		
$8x^4 - 13x^3y - 13xy^3 - 8y^4$	-1275		
$8x^4 + 13x^3y + 13xy^3 - 8y^4$	-1275		
$-8x^4 - 10x^3y + 15xy^3 + 18y^4$	-1278		
$-8x^4 + 10x^3y - 15xy^3 + 18y^4$	-1278		
$-5x^4 - 3x^3y + 39x^2y^2 + 89xy^3 + 60y^4$	-1278		
$-5x^4 + 3x^3y + 39x^2y^2 - 89xy^3 + 60y^4$	-1278		
$-2x^4 - 3x^3y + 3x^2y^2 - 23xy^3 + 45y^4$	-1278		
$-2x^4 + 3x^3y + 3x^2y^2 + 23xy^3 + 45y^4$	-1278		
$2x^4 - 3x^3y - 3x^2y^2 - 23xy^3 - 45y^4$	-1278		
$2x^4 + 3x^3y - 3x^2y^2 + 23xy^3 - 45y^4$	-1278		
$5x^4 - 3x^3y - 39x^2y^2 + 89xy^3 - 60y^4$	-1278		
$5x^4 + 3x^3y - 39x^2y^2 - 89xy^3 - 60y^4$	-1278		
$8x^4 - 10x^3y + 15xy^3 - 18y^4$	-1278		
$8x^4 + 10x^3y - 15xy^3 - 18y^4$	-1278		
$-x^4 + 107y^4$	-1284		
$x^4 - 107y^4$	-1284		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-6x^4 - 7x^3y + 15x^2y^2 - 24xy^3 + 14y^4$	-1287	(1, 0)	(1, 0)
$-6x^4 + 7x^3y + 15x^2y^2 + 24xy^3 + 14y^4$	-1287		
$-4x^4 - 7x^3y + 21xy^3 + 36y^4$	-1287		
$-4x^4 + 7x^3y - 21xy^3 + 36y^4$	-1287		
$4x^4 - 7x^3y + 21xy^3 - 36y^4$	-1287		
$4x^4 + 7x^3y - 21xy^3 - 36y^4$	-1287		
$6x^4 - 7x^3y - 15x^2y^2 - 24xy^3 - 14y^4$	-1287		
$6x^4 + 7x^3y - 15x^2y^2 + 24xy^3 - 14y^4$	-1287		
$-8x^4 + 16x^3y - 12x^2y^2 + 4xy^3 + 13y^4$	-1296		
$-5x^4 - 4x^3y - 8xy^3 + 20y^4$	-1296		
$-5x^4 + 4x^3y + 8xy^3 + 20y^4$	-1296		
$-4x^4 + 27y^4$	-1296		
$-x^4 + 108y^4$	-1296		
$x^4 - 108y^4$	-1296		
$4x^4 - 27y^4$	-1296		
$5x^4 - 4x^3y - 8xy^3 - 20y^4$	-1296		
$5x^4 + 4x^3y + 8xy^3 - 20y^4$	-1296		
$8x^4 + 16x^3y + 12x^2y^2 + 4xy^3 - 13y^4$	-1296		
$-6x^4 - 7x^3y + 15x^2y^2 + 44xy^3 + 34y^4$	-1299		
$-6x^4 + 7x^3y + 15x^2y^2 - 44xy^3 + 34y^4$	-1299		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 54y^4$	-1299		
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 54y^4$	-1299		
$6x^4 - 7x^3y - 15x^2y^2 + 44xy^3 - 34y^4$	-1299		
$6x^4 + 7x^3y - 15x^2y^2 - 44xy^3 - 34y^4$	-1299		
$-13x^4 - 23x^3y - 9x^2y^2 - 11xy^3 + 4y^4$	-1302		
$-13x^4 + 23x^3y - 9x^2y^2 + 11xy^3 + 4y^4$	-1302		
$-9x^4 - 17x^3y - 3x^2y^2 - 13xy^3 + 6y^4$	-1302		
$-9x^4 + 17x^3y - 3x^2y^2 + 13xy^3 + 6y^4$	-1302		
$-6x^4 - 11x^3y + 6x^2y^2 + 38xy^3 + 36y^4$	-1302		
$-6x^4 + 11x^3y + 6x^2y^2 - 38xy^3 + 36y^4$	-1302		
$-4x^4 - 6x^3y + 6x^2y^2 - 21xy^3 + 20y^4$	-1302		
$-4x^4 - 5x^3y + 18x^2y^2 + 58xy^3 + 52y^4$	-1302		
$-4x^4 + 5x^3y + 18x^2y^2 - 58xy^3 + 52y^4$	-1302		
$-4x^4 + 6x^3y + 6x^2y^2 + 21xy^3 + 20y^4$	-1302		
$-x^4 - x^3y + 9x^2y^2 + 59xy^3 + 130y^4$	-1302		(1, 0)
$-x^4 + x^3y + 9x^2y^2 - 59xy^3 + 130y^4$	-1302		(1, 0)
$x^4 - x^3y - 9x^2y^2 + 59xy^3 - 130y^4$	-1302	(1, 0)	
$x^4 + x^3y - 9x^2y^2 - 59xy^3 - 130y^4$	-1302	(1, 0)	
$4x^4 - 6x^3y - 6x^2y^2 - 21xy^3 - 20y^4$	-1302		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$4x^4 - 5x^3y - 18x^2y^2 + 58xy^3 - 52y^4$	-1302		
$4x^4 + 5x^3y - 18x^2y^2 - 58xy^3 - 52y^4$	-1302		
$4x^4 + 6x^3y - 6x^2y^2 + 21xy^3 - 20y^4$	-1302		
$6x^4 - 11x^3y - 6x^2y^2 + 38xy^3 - 36y^4$	-1302		
$6x^4 + 11x^3y - 6x^2y^2 - 38xy^3 - 36y^4$	-1302		
$9x^4 - 17x^3y + 3x^2y^2 - 13xy^3 - 6y^4$	-1302		
$9x^4 + 17x^3y + 3x^2y^2 + 13xy^3 - 6y^4$	-1302		
$13x^4 - 23x^3y + 9x^2y^2 - 11xy^3 - 4y^4$	-1302		
$13x^4 + 23x^3y + 9x^2y^2 + 11xy^3 - 4y^4$	-1302		
$-11x^4 - 7x^3y + 7xy^3 + 11y^4$	-1305		
$-11x^4 + 7x^3y - 7xy^3 + 11y^4$	-1305		
$11x^4 - 7x^3y + 7xy^3 - 11y^4$	-1305		
$11x^4 + 7x^3y - 7xy^3 - 11y^4$	-1305		
$-4x^4 + 8x^3y - 6x^2y^2 + 2xy^3 + 27y^4$	-1308		
$-3x^4 - 4x^3y + 48x^2y^2 + 164xy^3 + 155y^4$	-1308		
$-3x^4 + 4x^3y + 48x^2y^2 - 164xy^3 + 155y^4$	-1308		
$-x^4 + 109y^4$	-1308		(1, 0)
$x^4 - 109y^4$	-1308	(1, 0)	
$3x^4 - 4x^3y - 48x^2y^2 + 164xy^3 - 155y^4$	-1308		
$3x^4 + 4x^3y - 48x^2y^2 - 164xy^3 - 155y^4$	-1308		
$4x^4 + 8x^3y + 6x^2y^2 + 2xy^3 - 27y^4$	-1308		
$-2x^4 + 3x^2y^2 - 21xy^3 + 55y^4$	-1311		
$-2x^4 + 3x^2y^2 + 21xy^3 + 55y^4$	-1311		
$2x^4 - 3x^2y^2 - 21xy^3 - 55y^4$	-1311		
$2x^4 - 3x^2y^2 + 21xy^3 - 55y^4$	-1311		
$-9x^4 - 15x^3y + 9x^2y^2 + 41xy^3 + 30y^4$	-1314		
$-9x^4 + 15x^3y + 9x^2y^2 - 41xy^3 + 30y^4$	-1314		
$-4x^4 - 6x^3y + 24x^2y^2 + 79xy^3 + 69y^4$	-1314		
$-4x^4 - 2x^3y + 18x^2y^2 + 47xy^3 + 40y^4$	-1314		
$-4x^4 + 2x^3y + 18x^2y^2 - 47xy^3 + 40y^4$	-1314		
$-4x^4 + 6x^3y + 24x^2y^2 - 79xy^3 + 69y^4$	-1314		
$-x^4 - x^3y + 18x^2y^2 + 94xy^3 + 160y^4$	-1314		(1, 0)
$-x^4 - x^3y + 27x^2y^2 - 105xy^3 + 144y^4$	-1314		(1, 0)
$-x^4 + x^3y + 18x^2y^2 - 94xy^3 + 160y^4$	-1314		(1, 0)
$-x^4 + x^3y + 27x^2y^2 + 105xy^3 + 144y^4$	-1314		(1, 0)
$x^4 - x^3y - 27x^2y^2 - 105xy^3 - 144y^4$	-1314	(1, 0)	
$x^4 - x^3y - 18x^2y^2 + 94xy^3 - 160y^4$	-1314	(1, 0)	
$x^4 + x^3y - 27x^2y^2 + 105xy^3 - 144y^4$	-1314	(1, 0)	
$x^4 + x^3y - 18x^2y^2 - 94xy^3 - 160y^4$	-1314	(1, 0)	

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$4x^4 - 6x^3y - 24x^2y^2 + 79xy^3 - 69y^4$	-1314	(1, 1) (1, -1)	(1, 1) (1, -1)
$4x^4 - 2x^3y - 18x^2y^2 + 47xy^3 - 40y^4$	-1314		
$4x^4 + 2x^3y - 18x^2y^2 - 47xy^3 - 40y^4$	-1314		
$4x^4 + 6x^3y - 24x^2y^2 - 79xy^3 - 69y^4$	-1314		
$9x^4 - 15x^3y - 9x^2y^2 + 41xy^3 - 30y^4$	-1314		
$9x^4 + 15x^3y - 9x^2y^2 - 41xy^3 - 30y^4$	-1314		
$-11x^4 + 10y^4$	-1320		
$-10x^4 + 11y^4$	-1320		
$-5x^4 + 22y^4$	-1320		
$-4x^4 - 4x^3y - 10xy^3 + 25y^4$	-1320		
$-4x^4 + 4x^3y + 10xy^3 + 25y^4$	-1320		
$-2x^4 + 55y^4$	-1320		
$-x^4 + 110y^4$	-1320		
$-x^4 + 2x^3y - 22xy^3 + 121y^4$	-1320		
$-x^4 + 2x^3y + 20xy^3 + 100y^4$	-1320		
$x^4 - 110y^4$	-1320		
$x^4 + 2x^3y - 22xy^3 - 121y^4$	-1320		
$x^4 + 2x^3y + 20xy^3 - 100y^4$	-1320		
$2x^4 - 55y^4$	-1320		
$4x^4 - 4x^3y - 10xy^3 - 25y^4$	-1320		
$4x^4 + 4x^3y + 10xy^3 - 25y^4$	-1320		
$5x^4 - 22y^4$	-1320	(1, 1) (1, -1)	(1, 1) (1, -1)
$10x^4 - 11y^4$	-1320		
$11x^4 - 10y^4$	-1320		
$-13x^4 - 17x^3y - 6x^2y^2 + 7xy^3 + 11y^4$	-1323		
$-13x^4 + 17x^3y - 6x^2y^2 - 7xy^3 + 11y^4$	-1323		
$-11x^4 - 7x^3y + 6x^2y^2 + 17xy^3 + 13y^4$	-1323		
$-11x^4 + 7x^3y + 6x^2y^2 - 17xy^3 + 13y^4$	-1323		
$-5x^4 - 9x^3y + 27x^2y^2 - 36xy^3 + 18y^4$	-1323		
$-5x^4 + 9x^3y + 27x^2y^2 + 36xy^3 + 18y^4$	-1323		
$-2x^4 - x^3y + 9x^2y^2 - 36xy^3 + 54y^4$	-1323		
$-2x^4 + x^3y + 9x^2y^2 + 36xy^3 + 54y^4$	-1323		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 55y^4$	-1323		
$-2x^4 + 4x^3y + 105x^2y^2 - 557xy^3 + 793y^4$	-1323		
$-2x^4 + 4x^3y + 105x^2y^2 + 343xy^3 + 343y^4$	-1323		
$2x^4 - x^3y - 9x^2y^2 - 36xy^3 - 54y^4$	-1323		
$2x^4 + x^3y - 9x^2y^2 + 36xy^3 - 54y^4$	-1323		
$2x^4 + 4x^3y - 105x^2y^2 - 557xy^3 - 793y^4$	-1323		
$2x^4 + 4x^3y - 105x^2y^2 + 343xy^3 - 343y^4$	-1323		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 55y^4$	-1323		
$5x^4 - 9x^3y - 27x^2y^2 - 36xy^3 - 18y^4$	-1323		
$5x^4 + 9x^3y - 27x^2y^2 + 36xy^3 - 18y^4$	-1323		
$11x^4 - 7x^3y - 6x^2y^2 + 17xy^3 - 13y^4$	-1323		
$11x^4 + 7x^3y - 6x^2y^2 - 17xy^3 - 13y^4$	-1323		
$13x^4 - 17x^3y + 6x^2y^2 + 7xy^3 - 11y^4$	-1323		
$13x^4 + 17x^3y + 6x^2y^2 - 7xy^3 - 11y^4$	-1323		
$-12x^4 - 2x^3y + 6x^2y^2 + 13xy^3 + 10y^4$	-1326		
$-12x^4 + 2x^3y + 6x^2y^2 - 13xy^3 + 10y^4$	-1326		
$-10x^4 - 13x^3y - 6x^2y^2 + 2xy^3 + 12y^4$	-1326		
$-10x^4 + 13x^3y - 6x^2y^2 - 2xy^3 + 12y^4$	-1326		
$-8x^4 - 14x^3y - 6x^2y^2 + 11xy^3 + 19y^4$	-1326		
$-8x^4 - 13x^3y + 12x^2y^2 - 18xy^3 + 8y^4$	-1326		
$-8x^4 + 13x^3y + 12x^2y^2 + 18xy^3 + 8y^4$	-1326		
$-8x^4 + 14x^3y - 6x^2y^2 - 11xy^3 + 19y^4$	-1326		
$-3x^4 - x^3y + 6x^2y^2 + 26xy^3 + 40y^4$	-1326		
$-3x^4 + x^3y + 6x^2y^2 - 26xy^3 + 40y^4$	-1326		
$-2x^4 - x^3y + 3x^2y^2 - 21xy^3 + 53y^4$	-1326		
$-2x^4 + x^3y + 3x^2y^2 + 21xy^3 + 53y^4$	-1326		
$2x^4 - x^3y - 3x^2y^2 - 21xy^3 - 53y^4$	-1326		
$2x^4 + x^3y - 3x^2y^2 + 21xy^3 - 53y^4$	-1326		
$3x^4 - x^3y - 6x^2y^2 + 26xy^3 - 40y^4$	-1326		
$3x^4 + x^3y - 6x^2y^2 - 26xy^3 - 40y^4$	-1326		
$8x^4 - 14x^3y + 6x^2y^2 + 11xy^3 - 19y^4$	-1326		
$8x^4 - 13x^3y - 12x^2y^2 - 18xy^3 - 8y^4$	-1326		
$8x^4 + 13x^3y - 12x^2y^2 + 18xy^3 - 8y^4$	-1326		
$8x^4 + 14x^3y + 6x^2y^2 - 11xy^3 - 19y^4$	-1326		
$10x^4 - 13x^3y + 6x^2y^2 + 2xy^3 - 12y^4$	-1326		
$10x^4 + 13x^3y + 6x^2y^2 - 2xy^3 - 12y^4$	-1326		
$12x^4 - 2x^3y - 6x^2y^2 + 13xy^3 - 10y^4$	-1326		
$12x^4 + 2x^3y - 6x^2y^2 - 13xy^3 - 10y^4$	-1326		
$-13x^4 - 4x^3y + 12x^2y^2 + 20xy^3 + 11y^4$	-1332		
$-13x^4 + 4x^3y + 12x^2y^2 - 20xy^3 + 11y^4$	-1332		
$-11x^4 - 20x^3y - 12x^2y^2 + 4xy^3 + 13y^4$	-1332		
$-11x^4 + 20x^3y - 12x^2y^2 - 4xy^3 + 13y^4$	-1332		
$-7x^4 - 6x^3y + 6x^2y^2 + 22xy^3 + 21y^4$	-1332		
$-7x^4 + 6x^3y + 6x^2y^2 - 22xy^3 + 21y^4$	-1332		
$-6x^4 + 12x^3y + 18x^2y^2 - 72xy^3 + 59y^4$	-1332		
$-6x^4 + 12x^3y + 18x^2y^2 + 24xy^3 + 11y^4$	-1332		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-5x^4 - 3x^3y + 21x^2y^2 - 37xy^3 + 24y^4$	-1332		
$-5x^4 + 3x^3y + 21x^2y^2 + 37xy^3 + 24y^4$	-1332		
$-4x^4 - 4x^3y + 54x^2y^2 - 102xy^3 + 63y^4$	-1332		
$-4x^4 + 4x^3y + 54x^2y^2 + 102xy^3 + 63y^4$	-1332		
$-3x^4 + 37y^4$	-1332		
$-x^4 + 111y^4$	-1332		(1, 0)
$-x^4 + 18x^2y^2 - 84xy^3 + 138y^4$	-1332		(1, 0)
$-x^4 + 18x^2y^2 + 84xy^3 + 138y^4$	-1332		(1, 0)
$-x^4 + 2x^3y + 54x^2y^2 - 314xy^3 + 511y^4$	-1332		(1, 0)
$-x^4 + 2x^3y + 54x^2y^2 + 204xy^3 + 252y^4$	-1332		(1, 0)
$x^4 - 18x^2y^2 - 84xy^3 - 138y^4$	-1332	(1, 0)	
$x^4 - 18x^2y^2 + 84xy^3 - 138y^4$	-1332	(1, 0)	
$x^4 - 111y^4$	-1332	(1, 0)	
$x^4 + 2x^3y - 54x^2y^2 - 314xy^3 - 511y^4$	-1332	(1, 0)	
$x^4 + 2x^3y - 54x^2y^2 + 204xy^3 - 252y^4$	-1332	(1, 0)	
$3x^4 - 37y^4$	-1332		
$4x^4 - 4x^3y - 54x^2y^2 - 102xy^3 - 63y^4$	-1332		
$4x^4 + 4x^3y - 54x^2y^2 + 102xy^3 - 63y^4$	-1332		
$5x^4 - 3x^3y - 21x^2y^2 - 37xy^3 - 24y^4$	-1332		
$5x^4 + 3x^3y - 21x^2y^2 + 37xy^3 - 24y^4$	-1332		
$6x^4 + 12x^3y - 18x^2y^2 - 72xy^3 - 59y^4$	-1332		
$6x^4 + 12x^3y - 18x^2y^2 + 24xy^3 - 11y^4$	-1332		
$7x^4 - 6x^3y - 6x^2y^2 + 22xy^3 - 21y^4$	-1332		
$7x^4 + 6x^3y - 6x^2y^2 - 22xy^3 - 21y^4$	-1332		
$11x^4 - 20x^3y + 12x^2y^2 + 4xy^3 - 13y^4$	-1332		
$11x^4 + 20x^3y + 12x^2y^2 - 4xy^3 - 13y^4$	-1332		
$13x^4 - 4x^3y - 12x^2y^2 + 20xy^3 - 11y^4$	-1332		
$13x^4 + 4x^3y - 12x^2y^2 - 20xy^3 - 11y^4$	-1332		
$-10x^4 - 8x^3y + 3x^2y^2 - 11xy^3 + 9y^4$	-1335		
$-10x^4 + 8x^3y + 3x^2y^2 + 11xy^3 + 9y^4$	-1335		
$-9x^4 - 11x^3y - 3x^2y^2 - 8xy^3 + 10y^4$	-1335		
$-9x^4 - 11x^3y - 11xy^3 + 9y^4$	-1335		
$-9x^4 + 11x^3y - 3x^2y^2 + 8xy^3 + 10y^4$	-1335		
$-9x^4 + 11x^3y + 11xy^3 + 9y^4$	-1335		
$-4x^4 - 5x^3y + 6x^2y^2 - 21xy^3 + 22y^4$	-1335		
$-4x^4 + 5x^3y + 6x^2y^2 + 21xy^3 + 22y^4$	-1335		
$-2x^4 - 3x^3y - 15xy^3 + 50y^4$	-1335		
$-2x^4 + 3x^3y + 15xy^3 + 50y^4$	-1335		
$-x^4 - x^3y + 33x^2y^2 - 128xy^3 + 170y^4$	-1335		(1, 0)

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-x^4 - x^3y + 165x^2y^2 - 1096xy^3 + 2106y^4$	-1335	(5, 1)	(1, 0)
$-x^4 + x^3y + 33x^2y^2 + 128xy^3 + 170y^4$	-1335		(1, 0)
$-x^4 + x^3y + 165x^2y^2 + 1096xy^3 + 2106y^4$	-1335	(5, -1)	(1, 0)
$x^4 - x^3y - 165x^2y^2 - 1096xy^3 - 2106y^4$	-1335	(1, 0)	(5, -1)
$x^4 - x^3y - 33x^2y^2 - 128xy^3 - 170y^4$	-1335	(1, 0)	
$x^4 + x^3y - 165x^2y^2 + 1096xy^3 - 2106y^4$	-1335	(1, 0)	(5, 1)
$x^4 + x^3y - 33x^2y^2 + 128xy^3 - 170y^4$	-1335	(1, 0)	
$2x^4 - 3x^3y - 15xy^3 - 50y^4$	-1335		
$2x^4 + 3x^3y + 15xy^3 - 50y^4$	-1335		
$4x^4 - 5x^3y - 6x^2y^2 - 21xy^3 - 22y^4$	-1335		
$4x^4 + 5x^3y - 6x^2y^2 + 21xy^3 - 22y^4$	-1335		
$9x^4 - 11x^3y - 11xy^3 - 9y^4$	-1335		
$9x^4 - 11x^3y + 3x^2y^2 - 8xy^3 - 10y^4$	-1335		
$9x^4 + 11x^3y + 11xy^3 - 9y^4$	-1335		
$9x^4 + 11x^3y + 3x^2y^2 + 8xy^3 - 10y^4$	-1335		
$10x^4 - 8x^3y - 3x^2y^2 - 11xy^3 - 9y^4$	-1335		
$10x^4 + 8x^3y - 3x^2y^2 + 11xy^3 - 9y^4$	-1335		
$-8x^4 - 15x^3y + 3x^2y^2 - 15xy^3 + 7y^4$	-1338		
$-8x^4 + 15x^3y + 3x^2y^2 + 15xy^3 + 7y^4$	-1338		
$-7x^4 - 13x^3y + 26xy^3 + 28y^4$	-1338		
$-7x^4 + 13x^3y - 26xy^3 + 28y^4$	-1338		
$7x^4 - 13x^3y + 26xy^3 - 28y^4$	-1338		
$7x^4 + 13x^3y - 26xy^3 - 28y^4$	-1338		
$8x^4 - 15x^3y - 3x^2y^2 - 15xy^3 - 7y^4$	-1338		
$8x^4 + 15x^3y - 3x^2y^2 + 15xy^3 - 7y^4$	-1338		
$-11x^4 - 20x^3y - 6x^2y^2 - 12xy^3 + 5y^4$	-1344		
$-11x^4 - 6x^3y + 6xy^3 + 11y^4$	-1344		
$-11x^4 + 6x^3y - 6xy^3 + 11y^4$	-1344		
$-11x^4 + 20x^3y - 6x^2y^2 + 12xy^3 + 5y^4$	-1344		
$-7x^4 + 16y^4$	-1344		
$-5x^4 - 8x^3y + 12x^2y^2 + 48xy^3 + 44y^4$	-1344		
$-5x^4 - x^3y + 6x^2y^2 + 20xy^3 + 24y^4$	-1344		
$-5x^4 + x^3y + 6x^2y^2 - 20xy^3 + 24y^4$	-1344		
$-5x^4 + 8x^3y + 12x^2y^2 - 48xy^3 + 44y^4$	-1344		
$-4x^4 + 12x^2y^2 - 32xy^3 + 31y^4$	-1344		
$-4x^4 + 12x^2y^2 + 32xy^3 + 31y^4$	-1344		
$-x^4 + 112y^4$	-1344		(1, 0)
$-x^4 + 12x^2y^2 - 64xy^3 + 124y^4$	-1344		(5, 2) (1, 0)
$-x^4 + 12x^2y^2 + 64xy^3 + 124y^4$	-1344		(5, -2) (1, 0)

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-x^4 + 84x^2y^2 - 448xy^3 + 700y^4$	-1344		(1, 0)
$-x^4 + 84x^2y^2 + 448xy^3 + 700y^4$	-1344		(1, 0)
$-x^4 + 2x^3y + 12x^2y^2 - 82xy^3 + 165y^4$	-1344		(1, 0)
$-x^4 + 2x^3y + 12x^2y^2 + 56xy^3 + 96y^4$	-1344		(1, 0)
$x^4 - 84x^2y^2 - 448xy^3 - 700y^4$	-1344	(1, 0)	
$x^4 - 84x^2y^2 + 448xy^3 - 700y^4$	-1344	(1, 0)	
$x^4 - 12x^2y^2 - 64xy^3 - 124y^4$	-1344	(5, -2) (1, 0)	
$x^4 - 12x^2y^2 + 64xy^3 - 124y^4$	-1344	(5, 2) (1, 0)	
$x^4 - 112y^4$	-1344	(1, 0)	
$x^4 + 2x^3y - 12x^2y^2 - 82xy^3 - 165y^4$	-1344	(1, 0)	
$x^4 + 2x^3y - 12x^2y^2 + 56xy^3 - 96y^4$	-1344	(1, 0)	
$4x^4 - 12x^2y^2 - 32xy^3 - 31y^4$	-1344		
$4x^4 - 12x^2y^2 + 32xy^3 - 31y^4$	-1344		
$5x^4 - 8x^3y - 12x^2y^2 + 48xy^3 - 44y^4$	-1344		
$5x^4 - x^3y - 6x^2y^2 + 20xy^3 - 24y^4$	-1344		
$5x^4 + x^3y - 6x^2y^2 - 20xy^3 - 24y^4$	-1344		
$5x^4 + 8x^3y - 12x^2y^2 - 48xy^3 - 44y^4$	-1344		
$7x^4 - 16y^4$	-1344		
$11x^4 - 20x^3y + 6x^2y^2 - 12xy^3 - 5y^4$	-1344		
$11x^4 - 6x^3y + 6xy^3 - 11y^4$	-1344		
$11x^4 + 6x^3y - 6xy^3 - 11y^4$	-1344		
$11x^4 + 20x^3y + 6x^2y^2 + 12xy^3 - 5y^4$	-1344		
$-10x^4 - 7x^3y - 7xy^3 + 10y^4$	-1347		
$-10x^4 + 7x^3y + 7xy^3 + 10y^4$	-1347		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 56y^4$	-1347		
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 56y^4$	-1347		
$10x^4 - 7x^3y - 7xy^3 - 10y^4$	-1347		
$10x^4 + 7x^3y + 7xy^3 - 10y^4$	-1347		
$-9x^4 - 5x^3y + 21x^2y^2 + 39xy^3 + 22y^4$	-1350		
$-9x^4 + 5x^3y + 21x^2y^2 - 39xy^3 + 22y^4$	-1350		
$9x^4 - 5x^3y - 21x^2y^2 + 39xy^3 - 22y^4$	-1350		
$9x^4 + 5x^3y - 21x^2y^2 - 39xy^3 - 22y^4$	-1350		
$-13x^4 - 15x^3y + 15xy^3 + 13y^4$	-1353		
$-13x^4 + 15x^3y - 15xy^3 + 13y^4$	-1353		
$13x^4 - 15x^3y + 15xy^3 - 13y^4$	-1353		
$13x^4 + 15x^3y - 15xy^3 - 13y^4$	-1353		
$-7x^4 - 12x^3y + 6x^2y^2 + 36xy^3 + 32y^4$	-1356		
$-7x^4 - x^3y + 6x^2y^2 - 16xy^3 + 16y^4$	-1356		
$-7x^4 + x^3y + 6x^2y^2 + 16xy^3 + 16y^4$	-1356		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-7x^4 + 12x^3y + 6x^2y^2 - 36xy^3 + 32y^4$	-1356	(1, 0)	(1, 0)
$-2x^4 - x^3y + 9x^2y^2 + 41xy^3 + 65y^4$	-1356		
$-2x^4 + x^3y + 9x^2y^2 - 41xy^3 + 65y^4$	-1356		
$-x^4 + 113y^4$	-1356		
$x^4 - 113y^4$	-1356		
$2x^4 - x^3y - 9x^2y^2 + 41xy^3 - 65y^4$	-1356		
$2x^4 + x^3y - 9x^2y^2 - 41xy^3 - 65y^4$	-1356		
$7x^4 - 12x^3y - 6x^2y^2 + 36xy^3 - 32y^4$	-1356		
$7x^4 - x^3y - 6x^2y^2 - 16xy^3 - 16y^4$	-1356		
$7x^4 + x^3y - 6x^2y^2 + 16xy^3 - 16y^4$	-1356		
$7x^4 + 12x^3y - 6x^2y^2 - 36xy^3 - 32y^4$	-1356		
$-14x^4 - 24x^3y - 15x^2y^2 - xy^3 + 9y^4$	-1359		
$-14x^4 + 24x^3y - 15x^2y^2 + xy^3 + 9y^4$	-1359		
$-9x^4 - x^3y + 15x^2y^2 - 24xy^3 + 14y^4$	-1359		
$-9x^4 + x^3y + 15x^2y^2 + 24xy^3 + 14y^4$	-1359		
$-5x^4 - 7x^3y + 36x^2y^2 + 105xy^3 + 81y^4$	-1359		
$-5x^4 + 7x^3y + 36x^2y^2 - 105xy^3 + 81y^4$	-1359		
$5x^4 - 7x^3y - 36x^2y^2 + 105xy^3 - 81y^4$	-1359		
$5x^4 + 7x^3y - 36x^2y^2 - 105xy^3 - 81y^4$	-1359		
$9x^4 - x^3y - 15x^2y^2 - 24xy^3 - 14y^4$	-1359		
$9x^4 + x^3y - 15x^2y^2 + 24xy^3 - 14y^4$	-1359		
$14x^4 - 24x^3y + 15x^2y^2 - xy^3 - 9y^4$	-1359		
$14x^4 + 24x^3y + 15x^2y^2 + xy^3 - 9y^4$	-1359		
$-12x^4 - 11x^3y + 11xy^3 + 12y^4$	-1365		
$-12x^4 + 11x^3y - 11xy^3 + 12y^4$	-1365		
$12x^4 - 11x^3y + 11xy^3 - 12y^4$	-1365		
$12x^4 + 11x^3y - 11xy^3 - 12y^4$	-1365		
$-12x^4 - 17x^3y - 9x^2y^2 - 3xy^3 + 9y^4$	-1368		
$-12x^4 + 17x^3y - 9x^2y^2 + 3xy^3 + 9y^4$	-1368		
$-9x^4 - 3x^3y + 9x^2y^2 - 17xy^3 + 12y^4$	-1368		
$-9x^4 + 3x^3y + 9x^2y^2 + 17xy^3 + 12y^4$	-1368		
$-6x^4 + 19y^4$	-1368		
$-3x^4 + 38y^4$	-1368		
$-2x^4 + 57y^4$	-1368		
$-x^4 - x^3y + 9x^2y^2 - 51xy^3 + 108y^4$	-1368		(1, 0)
$-x^4 + 114y^4$	-1368		(1, 0)
$-x^4 + x^3y + 9x^2y^2 + 51xy^3 + 108y^4$	-1368		(1, 0)
$x^4 - x^3y - 9x^2y^2 - 51xy^3 - 108y^4$	-1368	(1, 0)	
$x^4 - 114y^4$	-1368	(1, 0)	

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$x^4 + x^3y - 9x^2y^2 + 51xy^3 - 108y^4$	-1368	(1, 0)	(1, 0)
$2x^4 - 57y^4$	-1368		
$3x^4 - 38y^4$	-1368		
$6x^4 - 19y^4$	-1368		
$9x^4 - 3x^3y - 9x^2y^2 - 17xy^3 - 12y^4$	-1368		
$9x^4 + 3x^3y - 9x^2y^2 + 17xy^3 - 12y^4$	-1368		
$12x^4 - 17x^3y + 9x^2y^2 - 3xy^3 - 9y^4$	-1368		
$12x^4 + 17x^3y + 9x^2y^2 + 3xy^3 - 9y^4$	-1368		
$-2x^4 - 3x^3y + 81x^2y^2 + 372xy^3 + 470y^4$	-1371		
$-2x^4 + 3x^3y + 81x^2y^2 - 372xy^3 + 470y^4$	-1371		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 57y^4$	-1371		
$2x^4 - 3x^3y - 81x^2y^2 + 372xy^3 - 470y^4$	-1371		
$2x^4 + 3x^3y - 81x^2y^2 - 372xy^3 - 470y^4$	-1371		
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 57y^4$	-1371		
$-11x^4 - 5x^3y + 5xy^3 + 11y^4$	-1377		
$-11x^4 + 5x^3y - 5xy^3 + 11y^4$	-1377		
$11x^4 - 5x^3y + 5xy^3 - 11y^4$	-1377		
$11x^4 + 5x^3y - 5xy^3 - 11y^4$	-1377		
$-5x^4 + 23y^4$	-1380		
$-x^4 + 115y^4$	-1380		
$x^4 - 115y^4$	-1380	(1, 0)	(1, 0)
$5x^4 - 23y^4$	-1380		
$-5x^4 - x^3y + 27x^2y^2 + 56xy^3 + 38y^4$	-1383		
$-5x^4 + x^3y + 27x^2y^2 - 56xy^3 + 38y^4$	-1383		
$5x^4 - x^3y - 27x^2y^2 + 56xy^3 - 38y^4$	-1383		
$5x^4 + x^3y - 27x^2y^2 - 56xy^3 - 38y^4$	-1383		
$-4x^4 + 29y^4$	-1392		
$-x^4 + 116y^4$	-1392		
$-x^4 + 2x^3y + 36x^2y^2 - 202xy^3 + 325y^4$	-1392		
$-x^4 + 2x^3y + 36x^2y^2 + 128xy^3 + 160y^4$	-1392		
$x^4 - 116y^4$	-1392	(1, 0)	(1, 0)
$x^4 + 2x^3y - 36x^2y^2 - 202xy^3 - 325y^4$	-1392		
$x^4 + 2x^3y - 36x^2y^2 + 128xy^3 - 160y^4$	-1392		
$4x^4 - 29y^4$	-1392		
$-11x^4 - 5x^3y + 15x^2y^2 - 20xy^3 + 10y^4$	-1395		
$-11x^4 + 5x^3y + 15x^2y^2 + 20xy^3 + 10y^4$	-1395		
$-10x^4 - 19x^3y - 9x^2y^2 + 12xy^3 + 18y^4$	-1395		
$-10x^4 + 19x^3y - 9x^2y^2 - 12xy^3 + 18y^4$	-1395		
$-10x^4 + 20x^3y - 15x^2y^2 + 5xy^3 + 11y^4$	-1395		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-6x^4 - 11x^3y + 15x^2y^2 + 60xy^3 + 50y^4$	-1395		
$-6x^4 + 11x^3y + 15x^2y^2 - 60xy^3 + 50y^4$	-1395		
$-6x^4 + 12x^3y - 9x^2y^2 + 3xy^3 + 19y^4$	-1395		
$-2x^4 - x^3y + 87x^2y^2 + 356xy^3 + 418y^4$	-1395		
$-2x^4 + x^3y + 87x^2y^2 - 356xy^3 + 418y^4$	-1395		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 58y^4$	-1395		
$-2x^4 + 4x^3y + 9x^2y^2 - 57xy^3 + 90y^4$	-1395		
$-2x^4 + 4x^3y + 9x^2y^2 + 35xy^3 + 44y^4$	-1395		
$2x^4 - x^3y - 87x^2y^2 + 356xy^3 - 418y^4$	-1395		
$2x^4 + x^3y - 87x^2y^2 - 356xy^3 - 418y^4$	-1395		
$2x^4 + 4x^3y - 9x^2y^2 - 57xy^3 - 90y^4$	-1395		
$2x^4 + 4x^3y - 9x^2y^2 + 35xy^3 - 44y^4$	-1395		
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 58y^4$	-1395		
$6x^4 - 11x^3y - 15x^2y^2 + 60xy^3 - 50y^4$	-1395		
$6x^4 + 11x^3y - 15x^2y^2 - 60xy^3 - 50y^4$	-1395		
$6x^4 + 12x^3y + 9x^2y^2 + 3xy^3 - 19y^4$	-1395		
$10x^4 - 19x^3y + 9x^2y^2 + 12xy^3 - 18y^4$	-1395		
$10x^4 + 19x^3y + 9x^2y^2 - 12xy^3 - 18y^4$	-1395		
$10x^4 + 20x^3y + 15x^2y^2 + 5xy^3 - 11y^4$	-1395		
$11x^4 - 5x^3y - 15x^2y^2 - 20xy^3 - 10y^4$	-1395		
$11x^4 + 5x^3y - 15x^2y^2 + 20xy^3 - 10y^4$	-1395		
$-2x^4 - 3x^3y + 42x^2y^2 - 106xy^3 + 92y^4$	-1398		
$-2x^4 + 3x^3y + 42x^2y^2 + 106xy^3 + 92y^4$	-1398		
$-x^4 - x^3y + 84x^2y^2 + 494xy^3 + 828y^4$	-1398		(1, 0)
$-x^4 + x^3y + 84x^2y^2 - 494xy^3 + 828y^4$	-1398		(1, 0)
$x^4 - x^3y - 84x^2y^2 + 494xy^3 - 828y^4$	-1398	(1, 0)	
$x^4 + x^3y - 84x^2y^2 - 494xy^3 - 828y^4$	-1398	(1, 0)	
$2x^4 - 3x^3y - 42x^2y^2 - 106xy^3 - 92y^4$	-1398		
$2x^4 + 3x^3y - 42x^2y^2 + 106xy^3 - 92y^4$	-1398		
$-13x^4 + 9y^4$	-1404		
$-11x^4 - 4x^3y + 4xy^3 + 11y^4$	-1404		
$-11x^4 + 4x^3y - 4xy^3 + 11y^4$	-1404		
$-9x^4 - 9x^3y + 12xy^3 + 16y^4$	-1404		
$-9x^4 + 13y^4$	-1404		
$-9x^4 + 9x^3y - 12xy^3 + 16y^4$	-1404		
$-5x^4 - 8x^3y + 6x^2y^2 - 20xy^3 + 16y^4$	-1404		
$-5x^4 + 8x^3y + 6x^2y^2 + 20xy^3 + 16y^4$	-1404		
$-4x^4 - 4x^3y + 18x^2y^2 - 36xy^3 + 27y^4$	-1404	(1, 1)	
$-4x^4 + 4x^3y + 18x^2y^2 + 36xy^3 + 27y^4$	-1404	(1, -1)	

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-4x^4 + 8x^3y - 6x^2y^2 + 2xy^3 + 29y^4$	-1404		
$-x^4 - x^3y + 3x^2y^2 - 31xy^3 + 110y^4$	-1404		(1, 0)
$-x^4 + 117y^4$	-1404		(1, 0)
$-x^4 + 6x^2y^2 - 44xy^3 + 120y^4$	-1404		(1, 0)
$-x^4 + 6x^2y^2 + 44xy^3 + 120y^4$	-1404		(1, 0)
$-x^4 + 54x^2y^2 - 252xy^3 + 360y^4$	-1404		(1, 0)
$-x^4 + 54x^2y^2 + 252xy^3 + 360y^4$	-1404		(1, 0)
$-x^4 + x^3y + 3x^2y^2 + 31xy^3 + 110y^4$	-1404		(1, 0)
$-x^4 + 2x^3y + 18x^2y^2 - 110xy^3 + 199y^4$	-1404		(1, 0)
$-x^4 + 2x^3y + 18x^2y^2 + 72xy^3 + 108y^4$	-1404		(1, 0)
$-x^4 + 2x^3y + 174x^2y^2 - 1462xy^3 + 3371y^4$	-1404		(6, 1) (1, 0)
$-x^4 + 2x^3y + 174x^2y^2 + 1112xy^3 + 2084y^4$	-1404		(5, -1) (1, 0)
$x^4 - x^3y - 3x^2y^2 - 31xy^3 - 110y^4$	-1404	(1, 0)	
$x^4 - 54x^2y^2 - 252xy^3 - 360y^4$	-1404	(1, 0)	
$x^4 - 54x^2y^2 + 252xy^3 - 360y^4$	-1404	(1, 0)	
$x^4 - 6x^2y^2 - 44xy^3 - 120y^4$	-1404	(1, 0)	
$x^4 - 6x^2y^2 + 44xy^3 - 120y^4$	-1404	(1, 0)	
$x^4 - 117y^4$	-1404	(1, 0)	
$x^4 + x^3y - 3x^2y^2 + 31xy^3 - 110y^4$	-1404	(1, 0)	
$x^4 + 2x^3y - 174x^2y^2 - 1462xy^3 - 3371y^4$	-1404	(6, -1) (1, 0)	
$x^4 + 2x^3y - 174x^2y^2 + 1112xy^3 - 2084y^4$	-1404	(5, 1) (1, 0)	
$x^4 + 2x^3y - 18x^2y^2 - 110xy^3 - 199y^4$	-1404	(1, 0)	
$x^4 + 2x^3y - 18x^2y^2 + 72xy^3 - 108y^4$	-1404	(1, 0)	
$4x^4 - 4x^3y - 18x^2y^2 - 36xy^3 - 27y^4$	-1404		(1, -1)
$4x^4 + 4x^3y - 18x^2y^2 + 36xy^3 - 27y^4$	-1404		(1, 1)
$4x^4 + 8x^3y + 6x^2y^2 + 2xy^3 - 29y^4$	-1404		
$5x^4 - 8x^3y - 6x^2y^2 - 20xy^3 - 16y^4$	-1404		
$5x^4 + 8x^3y - 6x^2y^2 + 20xy^3 - 16y^4$	-1404		
$9x^4 - 9x^3y + 12xy^3 - 16y^4$	-1404		
$9x^4 - 13y^4$	-1404		
$9x^4 + 9x^3y - 12xy^3 - 16y^4$	-1404		
$11x^4 - 4x^3y + 4xy^3 - 11y^4$	-1404		
$11x^4 + 4x^3y - 4xy^3 - 11y^4$	-1404		
$13x^4 - 9y^4$	-1404		
$-6x^4 - 8x^3y - 3x^2y^2 + 7xy^3 + 22y^4$	-1407		
$-6x^4 + 8x^3y - 3x^2y^2 - 7xy^3 + 22y^4$	-1407		
$6x^4 - 8x^3y + 3x^2y^2 + 7xy^3 - 22y^4$	-1407		
$6x^4 + 8x^3y + 3x^2y^2 - 7xy^3 - 22y^4$	-1407		
$-13x^4 - 15x^3y - 3x^2y^2 + 10xy^3 + 12y^4$	-1413	(1, -1)	

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-13x^4 + 15x^3y - 3x^2y^2 - 10xy^3 + 12y^4$	-1413	(1, 1)	
$-12x^4 - 10x^3y + 3x^2y^2 + 15xy^3 + 13y^4$	-1413		(1, -1)
$-12x^4 + 10x^3y + 3x^2y^2 - 15xy^3 + 13y^4$	-1413		(1, 1)
$-3x^4 - 5x^3y + 3x^2y^2 + 30xy^3 + 52y^4$	-1413		
$-3x^4 + 5x^3y + 3x^2y^2 - 30xy^3 + 52y^4$	-1413		
$-x^4 - x^3y + 234x^2y^2 + 2089xy^3 + 5203y^4$	-1413		(1, 0)
$-x^4 + x^3y + 234x^2y^2 - 2089xy^3 + 5203y^4$	-1413		(1, 0)
$x^4 - x^3y - 234x^2y^2 + 2089xy^3 - 5203y^4$	-1413	(1, 0)	
$x^4 + x^3y - 234x^2y^2 - 2089xy^3 - 5203y^4$	-1413	(1, 0)	
$3x^4 - 5x^3y - 3x^2y^2 + 30xy^3 - 52y^4$	-1413		
$3x^4 + 5x^3y - 3x^2y^2 - 30xy^3 - 52y^4$	-1413		
$12x^4 - 10x^3y - 3x^2y^2 + 15xy^3 - 13y^4$	-1413	(1, 1)	
$12x^4 + 10x^3y - 3x^2y^2 - 15xy^3 - 13y^4$	-1413	(1, -1)	
$13x^4 - 15x^3y + 3x^2y^2 + 10xy^3 - 12y^4$	-1413		(1, 1)
$13x^4 + 15x^3y + 3x^2y^2 - 10xy^3 - 12y^4$	-1413		(1, -1)
$-5x^4 - 6x^3y - 12xy^3 + 20y^4$	-1416		
$-5x^4 + 6x^3y + 12xy^3 + 20y^4$	-1416		
$-2x^4 + 59y^4$	-1416		
$-x^4 + 118y^4$	-1416		(1, 0)
$x^4 - 118y^4$	-1416	(1, 0)	
$2x^4 - 59y^4$	-1416		
$5x^4 - 6x^3y - 12xy^3 - 20y^4$	-1416		
$5x^4 + 6x^3y + 12xy^3 - 20y^4$	-1416		
$-4x^4 - 5x^3y + 42x^2y^2 + 127xy^3 + 106y^4$	-1419		
$-4x^4 + 5x^3y + 42x^2y^2 - 127xy^3 + 106y^4$	-1419		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 59y^4$	-1419		
$-x^4 - x^3y + 11xy^3 + 121y^4$	-1419		(1, 0)
$-x^4 + x^3y - 11xy^3 + 121y^4$	-1419		(1, 0)
$x^4 - x^3y + 11xy^3 - 121y^4$	-1419	(1, 0)	
$x^4 + x^3y - 11xy^3 - 121y^4$	-1419	(1, 0)	
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 59y^4$	-1419		
$4x^4 - 5x^3y - 42x^2y^2 + 127xy^3 - 106y^4$	-1419		
$4x^4 + 5x^3y - 42x^2y^2 - 127xy^3 - 106y^4$	-1419		
$-11x^4 - 7x^3y + 6x^2y^2 - 13xy^3 + 9y^4$	-1425		
$-11x^4 - 3x^3y + 3xy^3 + 11y^4$	-1425		
$-11x^4 + 3x^3y - 3xy^3 + 11y^4$	-1425		
$-11x^4 + 7x^3y + 6x^2y^2 + 13xy^3 + 9y^4$	-1425		
$-9x^4 - 13x^3y - 6x^2y^2 - 7xy^3 + 11y^4$	-1425		
$-9x^4 + 13x^3y - 6x^2y^2 + 7xy^3 + 11y^4$	-1425		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-6x^4 - x^3y + 39x^2y^2 + 74xy^3 + 44y^4$	-1425		
$-6x^4 + x^3y + 39x^2y^2 - 74xy^3 + 44y^4$	-1425		
$-4x^4 - 6x^3y + 27x^2y^2 - 45xy^3 + 28y^4$	-1425		
$-4x^4 - x^3y + 21x^2y^2 - 46xy^3 + 36y^4$	-1425		
$-4x^4 + x^3y + 21x^2y^2 + 46xy^3 + 36y^4$	-1425		
$-4x^4 + 6x^3y + 27x^2y^2 + 45xy^3 + 28y^4$	-1425		
$-x^4 - x^3y + 30x^2y^2 + 149xy^3 + 231y^4$	-1425		(1, 0)
$-x^4 + x^3y + 30x^2y^2 - 149xy^3 + 231y^4$	-1425		(1, 0)
$x^4 - x^3y - 30x^2y^2 + 149xy^3 - 231y^4$	-1425	(1, 0)	
$x^4 + x^3y - 30x^2y^2 - 149xy^3 - 231y^4$	-1425	(1, 0)	
$4x^4 - 6x^3y - 27x^2y^2 - 45xy^3 - 28y^4$	-1425		
$4x^4 - x^3y - 21x^2y^2 - 46xy^3 - 36y^4$	-1425		
$4x^4 + x^3y - 21x^2y^2 + 46xy^3 - 36y^4$	-1425		
$4x^4 + 6x^3y - 27x^2y^2 + 45xy^3 - 28y^4$	-1425		
$6x^4 - x^3y - 39x^2y^2 + 74xy^3 - 44y^4$	-1425		
$6x^4 + x^3y - 39x^2y^2 - 74xy^3 - 44y^4$	-1425		
$9x^4 - 13x^3y + 6x^2y^2 - 7xy^3 - 11y^4$	-1425		
$9x^4 + 13x^3y + 6x^2y^2 + 7xy^3 - 11y^4$	-1425		
$11x^4 - 7x^3y - 6x^2y^2 - 13xy^3 - 9y^4$	-1425		
$11x^4 - 3x^3y + 3xy^3 - 11y^4$	-1425		
$11x^4 + 3x^3y - 3xy^3 - 11y^4$	-1425		
$11x^4 + 7x^3y - 6x^2y^2 + 13xy^3 - 9y^4$	-1425		
$-7x^4 + 17y^4$	-1428		
$-3x^4 - 5x^3y + 20xy^3 + 48y^4$	-1428		
$-3x^4 + 5x^3y - 20xy^3 + 48y^4$	-1428		
$-x^4 + 119y^4$	-1428		(1, 0)
$x^4 - 119y^4$	-1428	(1, 0)	
$3x^4 - 5x^3y + 20xy^3 - 48y^4$	-1428		
$3x^4 + 5x^3y - 20xy^3 - 48y^4$	-1428		
$7x^4 - 17y^4$	-1428		
$-6x^4 - 7x^3y + 14xy^3 + 24y^4$	-1434		
$-6x^4 + 7x^3y - 14xy^3 + 24y^4$	-1434		
$6x^4 - 7x^3y + 14xy^3 - 24y^4$	-1434		
$6x^4 + 7x^3y - 14xy^3 - 24y^4$	-1434		
$-13x^4 - 14x^3y + 14xy^3 + 13y^4$	-1440		
$-13x^4 + 14x^3y - 14xy^3 + 13y^4$	-1440		
$-11x^4 - 2x^3y + 2xy^3 + 11y^4$	-1440		
$-11x^4 + 2x^3y - 2xy^3 + 11y^4$	-1440		
$-8x^4 + 15y^4$	-1440		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-5x^4 + 24y^4$	-1440	(1, 0)	(1, 0)
$-3x^4 + 40y^4$	-1440		
$-x^4 + 120y^4$	-1440		
$x^4 - 120y^4$	-1440		
$3x^4 - 40y^4$	-1440		
$5x^4 - 24y^4$	-1440		
$8x^4 - 15y^4$	-1440		
$11x^4 - 2x^3y + 2xy^3 - 11y^4$	-1440		
$11x^4 + 2x^3y - 2xy^3 - 11y^4$	-1440		
$13x^4 - 14x^3y + 14xy^3 - 13y^4$	-1440		
$13x^4 + 14x^3y - 14xy^3 - 13y^4$	-1440		
$-10x^4 - 9x^3y - 9xy^3 + 10y^4$	-1443		
$-10x^4 + 9x^3y + 9xy^3 + 10y^4$	-1443		
$-8x^4 - 15x^3y - 15xy^3 + 8y^4$	-1443		
$-8x^4 + 15x^3y + 15xy^3 + 8y^4$	-1443		
$-3x^4 - x^3y + 60x^2y^2 - 157xy^3 + 127y^4$	-1443		
$-3x^4 + x^3y + 60x^2y^2 + 157xy^3 + 127y^4$	-1443		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 60y^4$	-1443		
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 60y^4$	-1443		
$3x^4 - x^3y - 60x^2y^2 - 157xy^3 - 127y^4$	-1443		
$3x^4 + x^3y - 60x^2y^2 + 157xy^3 - 127y^4$	-1443		
$8x^4 - 15x^3y - 15xy^3 - 8y^4$	-1443		
$8x^4 + 15x^3y + 15xy^3 - 8y^4$	-1443		
$10x^4 - 9x^3y - 9xy^3 - 10y^4$	-1443		
$10x^4 + 9x^3y + 9xy^3 - 10y^4$	-1443		
$-3x^4 - x^3y + 21x^2y^2 - 53xy^3 + 48y^4$	-1446		
$-3x^4 - x^3y + 30x^2y^2 + 82xy^3 + 72y^4$	-1446		
$-3x^4 + x^3y + 21x^2y^2 + 53xy^3 + 48y^4$	-1446		
$-3x^4 + x^3y + 30x^2y^2 - 82xy^3 + 72y^4$	-1446		
$3x^4 - x^3y - 30x^2y^2 + 82xy^3 - 72y^4$	-1446		
$3x^4 - x^3y - 21x^2y^2 - 53xy^3 - 48y^4$	-1446		
$3x^4 + x^3y - 30x^2y^2 - 82xy^3 - 72y^4$	-1446		
$3x^4 + x^3y - 21x^2y^2 + 53xy^3 - 48y^4$	-1446		
$-11x^4 - x^3y + xy^3 + 11y^4$	-1449		
$-11x^4 + x^3y - xy^3 + 11y^4$	-1449		
$11x^4 - x^3y + xy^3 - 11y^4$	-1449		
$11x^4 + x^3y - xy^3 - 11y^4$	-1449		
$-x^4 + 121y^4$	-1452	(1, 0)	(1, 0)
$x^4 - 121y^4$	-1452		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-11x^4 - x^3y - xy^3 + 11y^4$	-1455		
$-11x^4 + x^3y + xy^3 + 11y^4$	-1455		
$-7x^4 - 11x^3y + 9x^2y^2 + 40xy^3 + 34y^4$	-1455		
$-7x^4 + 11x^3y + 9x^2y^2 - 40xy^3 + 34y^4$	-1455		
$7x^4 - 11x^3y - 9x^2y^2 + 40xy^3 - 34y^4$	-1455		
$7x^4 + 11x^3y - 9x^2y^2 - 40xy^3 - 34y^4$	-1455		
$11x^4 - x^3y - xy^3 - 11y^4$	-1455		
$11x^4 + x^3y + xy^3 - 11y^4$	-1455		
$-7x^4 - x^3y + 12x^2y^2 + 26xy^3 + 20y^4$	-1458		
$-7x^4 + x^3y + 12x^2y^2 - 26xy^3 + 20y^4$	-1458		
$-5x^4 - 7x^3y - 3x^2y^2 - 7xy^3 + 22y^4$	-1458		
$-5x^4 + 7x^3y - 3x^2y^2 + 7xy^3 + 22y^4$	-1458		
$5x^4 - 7x^3y + 3x^2y^2 - 7xy^3 - 22y^4$	-1458		
$5x^4 + 7x^3y + 3x^2y^2 + 7xy^3 - 22y^4$	-1458		
$7x^4 - x^3y - 12x^2y^2 + 26xy^3 - 20y^4$	-1458		
$7x^4 + x^3y - 12x^2y^2 - 26xy^3 - 20y^4$	-1458		
$-11x^4 - 2x^3y - 2xy^3 + 11y^4$	-1464		
$-11x^4 + 2x^3y + 2xy^3 + 11y^4$	-1464		
$-2x^4 + 61y^4$	-1464		
$-x^4 + 122y^4$	-1464		(1, 0)
$-x^4 + 2x^3y + 180x^2y^2 - 1534xy^3 + 3589y^4$	-1464	(6, 1)	(1, 0)
$-x^4 + 2x^3y + 180x^2y^2 + 1172xy^3 + 2236y^4$	-1464	(5, -1)	(1, 0)
$x^4 - 122y^4$	-1464	(1, 0)	
$x^4 + 2x^3y - 180x^2y^2 - 1534xy^3 - 3589y^4$	-1464	(1, 0)	(6, -1)
$x^4 + 2x^3y - 180x^2y^2 + 1172xy^3 - 2236y^4$	-1464	(1, 0)	(5, 1)
$2x^4 - 61y^4$	-1464		
$11x^4 - 2x^3y - 2xy^3 - 11y^4$	-1464		
$11x^4 + 2x^3y + 2xy^3 - 11y^4$	-1464		
$-14x^4 - 20x^3y - 9x^2y^2 + 5xy^3 + 11y^4$	-1467		
$-14x^4 + 20x^3y - 9x^2y^2 - 5xy^3 + 11y^4$	-1467		
$-11x^4 - 5x^3y + 9x^2y^2 + 20xy^3 + 14y^4$	-1467		
$-11x^4 + 5x^3y + 9x^2y^2 - 20xy^3 + 14y^4$	-1467		
$-6x^4 + 12x^3y - 9x^2y^2 + 3xy^3 + 20y^4$	-1467		
$-3x^4 - 5x^3y + 75x^2y^2 + 300xy^3 + 322y^4$	-1467		
$-3x^4 + 5x^3y + 75x^2y^2 - 300xy^3 + 322y^4$	-1467		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 61y^4$	-1467		
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 61y^4$	-1467		
$3x^4 - 5x^3y - 75x^2y^2 + 300xy^3 - 322y^4$	-1467		
$3x^4 + 5x^3y - 75x^2y^2 - 300xy^3 - 322y^4$	-1467		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$6x^4 + 12x^3y + 9x^2y^2 + 3xy^3 - 20y^4$	-1467		
$11x^4 - 5x^3y - 9x^2y^2 + 20xy^3 - 14y^4$	-1467		
$11x^4 + 5x^3y - 9x^2y^2 - 20xy^3 - 14y^4$	-1467		
$14x^4 - 20x^3y + 9x^2y^2 + 5xy^3 - 11y^4$	-1467		
$14x^4 + 20x^3y + 9x^2y^2 - 5xy^3 - 11y^4$	-1467		
$-4x^4 - 6x^3y - 15xy^3 + 25y^4$	-1470		
$-4x^4 + 6x^3y + 15xy^3 + 25y^4$	-1470		
$-x^4 - x^3y + 3x^2y^2 + 35xy^3 + 132y^4$	-1470		(1, 0)
$-x^4 + x^3y + 3x^2y^2 - 35xy^3 + 132y^4$	-1470		(1, 0)
$x^4 - x^3y - 3x^2y^2 + 35xy^3 - 132y^4$	-1470	(1, 0)	
$x^4 + x^3y - 3x^2y^2 - 35xy^3 - 132y^4$	-1470	(1, 0)	
$4x^4 - 6x^3y - 15xy^3 - 25y^4$	-1470		
$4x^4 + 6x^3y + 15xy^3 - 25y^4$	-1470		
$-3x^4 + 41y^4$	-1476		
$-x^4 + 123y^4$	-1476		(1, 0)
$x^4 - 123y^4$	-1476	(1, 0)	
$3x^4 - 41y^4$	-1476		
$-11x^4 - 3x^3y - 3xy^3 + 11y^4$	-1479		
$-11x^4 + 3x^3y + 3xy^3 + 11y^4$	-1479		
$-9x^4 - 13x^3y - 13xy^3 + 9y^4$	-1479		
$-9x^4 + 13x^3y + 13xy^3 + 9y^4$	-1479		
$9x^4 - 13x^3y - 13xy^3 - 9y^4$	-1479		
$9x^4 + 13x^3y + 13xy^3 - 9y^4$	-1479		
$11x^4 - 3x^3y - 3xy^3 - 11y^4$	-1479		
$11x^4 + 3x^3y + 3xy^3 - 11y^4$	-1479		
$-14x^4 - 17x^3y + 17xy^3 + 14y^4$	-1485		
$-14x^4 + 17x^3y - 17xy^3 + 14y^4$	-1485		
$-4x^4 - 6x^3y - 3x^2y^2 + 5xy^3 + 33y^4$	-1485		
$-4x^4 + 6x^3y - 3x^2y^2 - 5xy^3 + 33y^4$	-1485		
$-3x^4 - x^3y + 45x^2y^2 + 126xy^3 + 108y^4$	-1485		
$-3x^4 + x^3y + 45x^2y^2 - 126xy^3 + 108y^4$	-1485		
$-x^4 - x^3y - 11xy^3 + 121y^4$	-1485		(1, 0)
$-x^4 - x^3y + 63x^2y^2 + 342xy^3 + 540y^4$	-1485		(1, 0)
$-x^4 + x^3y + 11xy^3 + 121y^4$	-1485		(1, 0)
$-x^4 + x^3y + 63x^2y^2 - 342xy^3 + 540y^4$	-1485		(1, 0)
$x^4 - x^3y - 63x^2y^2 + 342xy^3 - 540y^4$	-1485	(1, 0)	
$x^4 - x^3y - 11xy^3 - 121y^4$	-1485	(1, 0)	
$x^4 + x^3y - 63x^2y^2 - 342xy^3 - 540y^4$	-1485	(1, 0)	
$x^4 + x^3y + 11xy^3 - 121y^4$	-1485	(1, 0)	

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$3x^4 - x^3y - 45x^2y^2 + 126xy^3 - 108y^4$	-1485	(1, 0)	(1, 0)
$3x^4 + x^3y - 45x^2y^2 - 126xy^3 - 108y^4$	-1485		
$4x^4 - 6x^3y + 3x^2y^2 + 5xy^3 - 33y^4$	-1485		
$4x^4 + 6x^3y + 3x^2y^2 - 5xy^3 - 33y^4$	-1485		
$14x^4 - 17x^3y + 17xy^3 - 14y^4$	-1485		
$14x^4 + 17x^3y - 17xy^3 - 14y^4$	-1485		
$-9x^4 - 16x^3y + 6x^2y^2 - 16xy^3 + 7y^4$	-1488		
$-9x^4 + 16x^3y + 6x^2y^2 + 16xy^3 + 7y^4$	-1488		
$-8x^4 + 16x^3y - 12x^2y^2 + 4xy^3 + 15y^4$	-1488		
$-7x^4 - 12x^3y + 24xy^3 + 28y^4$	-1488		
$-7x^4 + 12x^3y - 24xy^3 + 28y^4$	-1488		
$-4x^4 + 31y^4$	-1488		
$-2x^4 - x^3y + 42x^2y^2 - 124xy^3 + 120y^4$	-1488		
$-2x^4 + x^3y + 42x^2y^2 + 124xy^3 + 120y^4$	-1488		
$-x^4 + 124y^4$	-1488		
$x^4 - 124y^4$	-1488		
$2x^4 - x^3y - 42x^2y^2 - 124xy^3 - 120y^4$	-1488		
$2x^4 + x^3y - 42x^2y^2 + 124xy^3 - 120y^4$	-1488		
$4x^4 - 31y^4$	-1488		
$7x^4 - 12x^3y + 24xy^3 - 28y^4$	-1488		
$7x^4 + 12x^3y - 24xy^3 - 28y^4$	-1488		
$8x^4 + 16x^3y + 12x^2y^2 + 4xy^3 - 15y^4$	-1488		
$9x^4 - 16x^3y - 6x^2y^2 - 16xy^3 - 7y^4$	-1488		
$9x^4 + 16x^3y - 6x^2y^2 + 16xy^3 - 7y^4$	-1488		
$-14x^4 + 28x^3y - 21x^2y^2 + 7xy^3 + 8y^4$	-1491		
$-8x^4 - 7x^3y + 21x^2y^2 - 28xy^3 + 14y^4$	-1491		
$-8x^4 + 7x^3y + 21x^2y^2 + 28xy^3 + 14y^4$	-1491		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 62y^4$	-1491		
$-2x^4 + 4x^3y + 45x^2y^2 - 203xy^3 + 248y^4$	-1491		
$-2x^4 + 4x^3y + 45x^2y^2 + 109xy^3 + 92y^4$	-1491		
$2x^4 + 4x^3y - 45x^2y^2 - 203xy^3 - 248y^4$	-1491		
$2x^4 + 4x^3y - 45x^2y^2 + 109xy^3 - 92y^4$	-1491		
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 62y^4$	-1491		
$8x^4 - 7x^3y - 21x^2y^2 - 28xy^3 - 14y^4$	-1491		
$8x^4 + 7x^3y - 21x^2y^2 + 28xy^3 - 14y^4$	-1491		
$14x^4 + 28x^3y + 21x^2y^2 + 7xy^3 - 8y^4$	-1491		
$-5x^4 - 7x^3y - 14xy^3 + 20y^4$	-1494		
$-5x^4 + 7x^3y + 14xy^3 + 20y^4$	-1494		
$-4x^4 - 5x^3y + 9x^2y^2 + 39xy^3 + 45y^4$	-1494		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-4x^4 + 5x^3y + 9x^2y^2 - 39xy^3 + 45y^4$	-1494	(1, 0)	(1, 0)
$4x^4 - 5x^3y - 9x^2y^2 + 39xy^3 - 45y^4$	-1494		
$4x^4 + 5x^3y - 9x^2y^2 - 39xy^3 - 45y^4$	-1494		
$5x^4 - 7x^3y - 14xy^3 - 20y^4$	-1494		
$5x^4 + 7x^3y + 14xy^3 - 20y^4$	-1494		
$-11x^4 - 4x^3y - 4xy^3 + 11y^4$	-1500		
$-11x^4 + 4x^3y + 4xy^3 + 11y^4$	-1500		
$-4x^4 + 8x^3y - 6x^2y^2 + 2xy^3 + 31y^4$	-1500		
$-x^4 + 125y^4$	-1500		
$x^4 - 125y^4$	-1500		
$4x^4 + 8x^3y + 6x^2y^2 + 2xy^3 - 31y^4$	-1500		
$11x^4 - 4x^3y - 4xy^3 - 11y^4$	-1500		
$11x^4 + 4x^3y + 4xy^3 - 11y^4$	-1500		
$-4x^4 - 5x^3y + 15xy^3 + 36y^4$	-1503		
$-4x^4 + 5x^3y - 15xy^3 + 36y^4$	-1503		
$4x^4 - 5x^3y + 15xy^3 - 36y^4$	-1503		
$4x^4 + 5x^3y - 15xy^3 - 36y^4$	-1503		
$-14x^4 + 9y^4$	-1512		
$-9x^4 + 14y^4$	-1512		
$-7x^4 + 18y^4$	-1512		
$-5x^4 - 9x^3y - 6x^2y^2 - 4xy^3 + 24y^4$	-1512	(1, 0)	(1, 0)
$-5x^4 + 9x^3y - 6x^2y^2 + 4xy^3 + 24y^4$	-1512		
$-2x^4 + 63y^4$	-1512		
$-x^4 + 126y^4$	-1512		
$x^4 - 126y^4$	-1512		
$2x^4 - 63y^4$	-1512		
$5x^4 - 9x^3y + 6x^2y^2 - 4xy^3 - 24y^4$	-1512		
$5x^4 + 9x^3y + 6x^2y^2 + 4xy^3 - 24y^4$	-1512		
$7x^4 - 18y^4$	-1512		
$9x^4 - 14y^4$	-1512		
$14x^4 - 9y^4$	-1512		
$-13x^4 - 5x^3y + 12x^2y^2 - 17xy^3 + 9y^4$	-1515		
$-13x^4 + 5x^3y + 12x^2y^2 + 17xy^3 + 9y^4$	-1515		
$-12x^4 - 5x^3y + 15x^2y^2 - 20xy^3 + 10y^4$	-1515		
$-12x^4 + 5x^3y + 15x^2y^2 + 20xy^3 + 10y^4$	-1515		
$-10x^4 + 20x^3y - 15x^2y^2 + 5xy^3 + 12y^4$	-1515		
$-9x^4 - 17x^3y - 12x^2y^2 - 5xy^3 + 13y^4$	-1515		
$-9x^4 + 17x^3y - 12x^2y^2 + 5xy^3 + 13y^4$	-1515		
$-6x^4 - 5x^3y + 21x^2y^2 + 52xy^3 + 38y^4$	-1515		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-6x^4 + 5x^3y + 21x^2y^2 - 52xy^3 + 38y^4$	-1515	(1, 0) (1, 0)	(1, 0) (1, 0)
$-4x^4 - 5x^3y + 39x^2y^2 - 68xy^3 + 42y^4$	-1515		
$-4x^4 + 5x^3y + 39x^2y^2 + 68xy^3 + 42y^4$	-1515		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 63y^4$	-1515		
$-x^4 - x^3y + 30x^2y^2 - 121xy^3 + 171y^4$	-1515		
$-x^4 + x^3y + 30x^2y^2 + 121xy^3 + 171y^4$	-1515		
$x^4 - x^3y - 30x^2y^2 - 121xy^3 - 171y^4$	-1515		
$x^4 + x^3y - 30x^2y^2 + 121xy^3 - 171y^4$	-1515		
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 63y^4$	-1515		
$4x^4 - 5x^3y - 39x^2y^2 - 68xy^3 - 42y^4$	-1515		
$4x^4 + 5x^3y - 39x^2y^2 + 68xy^3 - 42y^4$	-1515		
$6x^4 - 5x^3y - 21x^2y^2 + 52xy^3 - 38y^4$	-1515		
$6x^4 + 5x^3y - 21x^2y^2 - 52xy^3 - 38y^4$	-1515		
$9x^4 - 17x^3y + 12x^2y^2 - 5xy^3 - 13y^4$	-1515		
$9x^4 + 17x^3y + 12x^2y^2 + 5xy^3 - 13y^4$	-1515		
$10x^4 + 20x^3y + 15x^2y^2 + 5xy^3 - 12y^4$	-1515		
$12x^4 - 5x^3y - 15x^2y^2 - 20xy^3 - 10y^4$	-1515		
$12x^4 + 5x^3y - 15x^2y^2 + 20xy^3 - 10y^4$	-1515		
$13x^4 - 5x^3y - 12x^2y^2 - 17xy^3 - 9y^4$	-1515		
$13x^4 + 5x^3y - 12x^2y^2 + 17xy^3 - 9y^4$	-1515		
$-15x^4 - 29x^3y - 21x^2y^2 - 6xy^3 + 8y^4$	-1521		
$-15x^4 + 29x^3y - 21x^2y^2 + 6xy^3 + 8y^4$	-1521		
$-8x^4 - 10x^3y + 27x^2y^2 + 69xy^3 + 45y^4$	-1521		
$-8x^4 - 6x^3y + 21x^2y^2 - 29xy^3 + 15y^4$	-1521		
$-8x^4 + 6x^3y + 21x^2y^2 + 29xy^3 + 15y^4$	-1521		
$-8x^4 + 10x^3y + 27x^2y^2 - 69xy^3 + 45y^4$	-1521		
$-7x^4 - 9x^3y + 24x^2y^2 - 31xy^3 + 15y^4$	-1521		
$-7x^4 + 9x^3y + 24x^2y^2 + 31xy^3 + 15y^4$	-1521		
$-5x^4 - 3x^3y + 12x^2y^2 + 35xy^3 + 33y^4$	-1521		
$-5x^4 + 3x^3y + 12x^2y^2 - 35xy^3 + 33y^4$	-1521		
$-2x^4 - 3x^3y + 21x^2y^2 - 58xy^3 + 60y^4$	-1521		
$-2x^4 - 3x^3y + 30x^2y^2 - 77xy^3 + 72y^4$	-1521		
$-2x^4 + 3x^3y + 21x^2y^2 + 58xy^3 + 60y^4$	-1521		
$-2x^4 + 3x^3y + 30x^2y^2 + 77xy^3 + 72y^4$	-1521		
$2x^4 - 3x^3y - 30x^2y^2 - 77xy^3 - 72y^4$	-1521		
$2x^4 - 3x^3y - 21x^2y^2 - 58xy^3 - 60y^4$	-1521		
$2x^4 + 3x^3y - 30x^2y^2 + 77xy^3 - 72y^4$	-1521		
$2x^4 + 3x^3y - 21x^2y^2 + 58xy^3 - 60y^4$	-1521		
$5x^4 - 3x^3y - 12x^2y^2 + 35xy^3 - 33y^4$	-1521		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$5x^4 + 3x^3y - 12x^2y^2 - 35xy^3 - 33y^4$	-1521	(1, 0)	(1, 0)
$7x^4 - 9x^3y - 24x^2y^2 - 31xy^3 - 15y^4$	-1521		
$7x^4 + 9x^3y - 24x^2y^2 + 31xy^3 - 15y^4$	-1521		
$8x^4 - 10x^3y - 27x^2y^2 + 69xy^3 - 45y^4$	-1521		
$8x^4 - 6x^3y - 21x^2y^2 - 29xy^3 - 15y^4$	-1521		
$8x^4 + 6x^3y - 21x^2y^2 + 29xy^3 - 15y^4$	-1521		
$8x^4 + 10x^3y - 27x^2y^2 - 69xy^3 - 45y^4$	-1521		
$15x^4 - 29x^3y + 21x^2y^2 - 6xy^3 - 8y^4$	-1521		
$15x^4 + 29x^3y + 21x^2y^2 + 6xy^3 - 8y^4$	-1521		
$-x^4 + 127y^4$	-1524		
$x^4 - 127y^4$	-1524		
$-11x^4 - 5x^3y - 5xy^3 + 11y^4$	-1527		
$-11x^4 + 5x^3y + 5xy^3 + 11y^4$	-1527		
$11x^4 - 5x^3y - 5xy^3 - 11y^4$	-1527		
$11x^4 + 5x^3y + 5xy^3 - 11y^4$	-1527		
$-12x^4 - 14x^3y - 6x^2y^2 - 3xy^3 + 10y^4$	-1530		
$-12x^4 + 14x^3y - 6x^2y^2 + 3xy^3 + 10y^4$	-1530		
$-10x^4 - 3x^3y + 6x^2y^2 - 14xy^3 + 12y^4$	-1530		
$-10x^4 + 3x^3y + 6x^2y^2 + 14xy^3 + 12y^4$	-1530		
$-4x^4 - 6x^3y + 42x^2y^2 + 137xy^3 + 120y^4$	-1530		
$-4x^4 + 6x^3y + 42x^2y^2 - 137xy^3 + 120y^4$	-1530		
$-3x^4 - 5x^3y - 3x^2y^2 + 3xy^3 + 44y^4$	-1530		
$-3x^4 + 5x^3y - 3x^2y^2 - 3xy^3 + 44y^4$	-1530		
$-2x^4 - x^3y + 99x^2y^2 - 377xy^3 + 425y^4$	-1530		
$-2x^4 + x^3y + 99x^2y^2 + 377xy^3 + 425y^4$	-1530		
$-x^4 - x^3y + 45x^2y^2 - 185xy^3 + 250y^4$	-1530		
$-x^4 + x^3y + 45x^2y^2 + 185xy^3 + 250y^4$	-1530		
$x^4 - x^3y - 45x^2y^2 - 185xy^3 - 250y^4$	-1530		
$x^4 + x^3y - 45x^2y^2 + 185xy^3 - 250y^4$	-1530		
$2x^4 - x^3y - 99x^2y^2 - 377xy^3 - 425y^4$	-1530		
$2x^4 + x^3y - 99x^2y^2 + 377xy^3 - 425y^4$	-1530		
$3x^4 - 5x^3y + 3x^2y^2 + 3xy^3 - 44y^4$	-1530		
$3x^4 + 5x^3y + 3x^2y^2 - 3xy^3 - 44y^4$	-1530		
$4x^4 - 6x^3y - 42x^2y^2 + 137xy^3 - 120y^4$	-1530		
$4x^4 + 6x^3y - 42x^2y^2 - 137xy^3 - 120y^4$	-1530		
$10x^4 - 3x^3y - 6x^2y^2 - 14xy^3 - 12y^4$	-1530		
$10x^4 + 3x^3y - 6x^2y^2 + 14xy^3 - 12y^4$	-1530		
$12x^4 - 14x^3y + 6x^2y^2 - 3xy^3 - 10y^4$	-1530		
$12x^4 + 14x^3y + 6x^2y^2 + 3xy^3 - 10y^4$	-1530		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$	
$-7x^4 - 8x^3y + 24x^2y^2 - 32xy^3 + 16y^4$	-1536	(1, 0)	(1, 0)	
$-7x^4 + 8x^3y + 24x^2y^2 + 32xy^3 + 16y^4$	-1536			
$-3x^4 - 4x^3y + 16xy^3 + 48y^4$	-1536			
$-3x^4 + 4x^3y - 16xy^3 + 48y^4$	-1536			
$-x^4 + 128y^4$	-1536			
$x^4 - 128y^4$	-1536			
$3x^4 - 4x^3y + 16xy^3 - 48y^4$	-1536			
$3x^4 + 4x^3y - 16xy^3 - 48y^4$	-1536			
$7x^4 - 8x^3y - 24x^2y^2 - 32xy^3 - 16y^4$	-1536			
$7x^4 + 8x^3y - 24x^2y^2 + 32xy^3 - 16y^4$	-1536			
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 64y^4$	-1539			
$-x^4 - x^3y + 18x^2y^2 - 81xy^3 + 135y^4$	-1539			(1, 0)
$-x^4 - x^3y + 192x^2y^2 + 1571xy^3 + 3593y^4$	-1539			(6, -1) (1, 0)
$-x^4 + x^3y + 18x^2y^2 + 81xy^3 + 135y^4$	-1539			(1, 0)
$-x^4 + x^3y + 192x^2y^2 - 1571xy^3 + 3593y^4$	-1539			(6, 1) (1, 0)
$x^4 - x^3y - 192x^2y^2 + 1571xy^3 - 3593y^4$	-1539	(6, 1) (1, 0)		
$x^4 - x^3y - 18x^2y^2 - 81xy^3 - 135y^4$	-1539	(1, 0)		
$x^4 + x^3y - 192x^2y^2 - 1571xy^3 - 3593y^4$	-1539	(6, -1) (1, 0)		
$x^4 + x^3y - 18x^2y^2 + 81xy^3 - 135y^4$	-1539	(1, 0)		
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 64y^4$	-1539	(1, 0)	(1, 0)	
$-2x^4 - x^3y + 42x^2y^2 + 146xy^3 + 156y^4$	-1542			
$-2x^4 + x^3y + 42x^2y^2 - 146xy^3 + 156y^4$	-1542			
$-x^4 - x^3y + 96x^2y^2 - 498xy^3 + 772y^4$	-1542			
$-x^4 + x^3y + 96x^2y^2 + 498xy^3 + 772y^4$	-1542			
$x^4 - x^3y - 96x^2y^2 - 498xy^3 - 772y^4$	-1542			
$x^4 + x^3y - 96x^2y^2 + 498xy^3 - 772y^4$	-1542			
$2x^4 - x^3y - 42x^2y^2 + 146xy^3 - 156y^4$	-1542			
$2x^4 + x^3y - 42x^2y^2 - 146xy^3 - 156y^4$	-1542			
$-8x^4 - x^3y + 6x^2y^2 - 16xy^3 + 16y^4$	-1548			
$-8x^4 + x^3y + 6x^2y^2 + 16xy^3 + 16y^4$	-1548			
$-3x^4 - 4x^3y + 6x^2y^2 + 36xy^3 + 56y^4$	-1548			
$-3x^4 + 43y^4$	-1548			
$-3x^4 + 4x^3y + 6x^2y^2 - 36xy^3 + 56y^4$	-1548			
$-x^4 + 129y^4$	-1548			
$x^4 - 129y^4$	-1548			
$3x^4 - 4x^3y - 6x^2y^2 + 36xy^3 - 56y^4$	-1548			
$3x^4 - 43y^4$	-1548			
$3x^4 + 4x^3y - 6x^2y^2 - 36xy^3 - 56y^4$	-1548			
$8x^4 - x^3y - 6x^2y^2 - 16xy^3 - 16y^4$	-1548			

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$8x^4 + x^3y - 6x^2y^2 + 16xy^3 - 16y^4$	-1548		
$-2x^4 + 27x^2y^2 - 87xy^3 + 95y^4$	-1551		
$-2x^4 + 27x^2y^2 + 87xy^3 + 95y^4$	-1551		
$2x^4 - 27x^2y^2 - 87xy^3 - 95y^4$	-1551		
$2x^4 - 27x^2y^2 + 87xy^3 - 95y^4$	-1551		
$-5x^4 - x^3y + 9x^2y^2 - 25xy^3 + 26y^4$	-1554		
$-5x^4 + x^3y + 9x^2y^2 + 25xy^3 + 26y^4$	-1554		
$-x^4 - x^3y + 108x^2y^2 + 698xy^3 + 1276y^4$	-1554		(1, 0)
$-x^4 + x^3y + 108x^2y^2 - 698xy^3 + 1276y^4$	-1554		(1, 0)
$x^4 - x^3y - 108x^2y^2 + 698xy^3 - 1276y^4$	-1554	(1, 0)	
$x^4 + x^3y - 108x^2y^2 - 698xy^3 - 1276y^4$	-1554	(1, 0)	
$5x^4 - x^3y - 9x^2y^2 - 25xy^3 - 26y^4$	-1554		
$5x^4 + x^3y - 9x^2y^2 + 25xy^3 - 26y^4$	-1554		
$-13x^4 + 10y^4$	-1560		
$-11x^4 - 6x^3y - 6xy^3 + 11y^4$	-1560		
$-11x^4 + 6x^3y + 6xy^3 + 11y^4$	-1560		
$-10x^4 + 13y^4$	-1560		
$-9x^4 - 14x^3y - 14xy^3 + 9y^4$	-1560		
$-9x^4 + 14x^3y + 14xy^3 + 9y^4$	-1560		
$-7x^4 - 10x^3y + 12x^2y^2 + 44xy^3 + 36y^4$	-1560		
$-7x^4 + 10x^3y + 12x^2y^2 - 44xy^3 + 36y^4$	-1560		
$-5x^4 + 26y^4$	-1560		
$-3x^4 - 2x^3y + 60x^2y^2 + 190xy^3 + 175y^4$	-1560		
$-3x^4 + 2x^3y + 60x^2y^2 - 190xy^3 + 175y^4$	-1560		
$-2x^4 + 65y^4$	-1560		
$-x^4 + 130y^4$	-1560		(1, 0)
$x^4 - 130y^4$	-1560	(1, 0)	
$2x^4 - 65y^4$	-1560		
$3x^4 - 2x^3y - 60x^2y^2 + 190xy^3 - 175y^4$	-1560		
$3x^4 + 2x^3y - 60x^2y^2 - 190xy^3 - 175y^4$	-1560		
$5x^4 - 26y^4$	-1560		
$7x^4 - 10x^3y - 12x^2y^2 + 44xy^3 - 36y^4$	-1560		
$7x^4 + 10x^3y - 12x^2y^2 - 44xy^3 - 36y^4$	-1560		
$9x^4 - 14x^3y - 14xy^3 - 9y^4$	-1560		
$9x^4 + 14x^3y + 14xy^3 - 9y^4$	-1560		
$10x^4 - 13y^4$	-1560		
$11x^4 - 6x^3y - 6xy^3 - 11y^4$	-1560		
$11x^4 + 6x^3y + 6xy^3 - 11y^4$	-1560		
$13x^4 - 10y^4$	-1560		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-10x^4 - 11x^3y - 11xy^3 + 10y^4$	-1563	(1, 0)	(1, 0)
$-10x^4 + 11x^3y + 11xy^3 + 10y^4$	-1563		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 65y^4$	-1563		
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 65y^4$	-1563		
$10x^4 - 11x^3y - 11xy^3 - 10y^4$	-1563		
$10x^4 + 11x^3y + 11xy^3 - 10y^4$	-1563		
$-8x^4 - 6x^3y + 9xy^3 + 18y^4$	-1566		
$-8x^4 + 6x^3y - 9xy^3 + 18y^4$	-1566		
$-2x^4 - 3x^3y + 18xy^3 + 72y^4$	-1566		
$-2x^4 + 3x^3y - 18xy^3 + 72y^4$	-1566		
$2x^4 - 3x^3y + 18xy^3 - 72y^4$	-1566		
$2x^4 + 3x^3y - 18xy^3 - 72y^4$	-1566		
$8x^4 - 6x^3y + 9xy^3 - 18y^4$	-1566		
$8x^4 + 6x^3y - 9xy^3 - 18y^4$	-1566		
$-x^4 + 131y^4$	-1572		
$x^4 - 131y^4$	-1572		
$-12x^4 - 7x^3y + 18x^2y^2 + 33xy^3 + 18y^4$	-1575		
$-12x^4 + 7x^3y + 18x^2y^2 - 33xy^3 + 18y^4$	-1575		
$-10x^4 - 7x^3y + 9x^2y^2 + 24xy^3 + 18y^4$	-1575		
$-10x^4 + 7x^3y + 9x^2y^2 - 24xy^3 + 18y^4$	-1575		
$-9x^4 - 15x^3y + 25xy^3 + 25y^4$	-1575		
$-9x^4 + 15x^3y - 25xy^3 + 25y^4$	-1575		
$-6x^4 - 8x^3y + 21x^2y^2 + 63xy^3 + 49y^4$	-1575		
$-6x^4 + 8x^3y + 21x^2y^2 - 63xy^3 + 49y^4$	-1575		
$-2x^4 - 3x^3y + 3x^2y^2 + 32xy^3 + 78y^4$	-1575		
$-2x^4 + 3x^2y^2 - 23xy^3 + 66y^4$	-1575		
$-2x^4 + 3x^2y^2 + 23xy^3 + 66y^4$	-1575		
$-2x^4 + 75x^2y^2 - 275xy^3 + 300y^4$	-1575		
$-2x^4 + 75x^2y^2 + 275xy^3 + 300y^4$	-1575		
$-2x^4 + 3x^3y + 3x^2y^2 - 32xy^3 + 78y^4$	-1575		
$-x^4 - x^3y + 9x^2y^2 + 64xy^3 + 154y^4$	-1575		(1, 0)
$-x^4 + x^3y + 9x^2y^2 - 64xy^3 + 154y^4$	-1575		(1, 0)
$x^4 - x^3y - 9x^2y^2 + 64xy^3 - 154y^4$	-1575	(1, 0)	
$x^4 + x^3y - 9x^2y^2 - 64xy^3 - 154y^4$	-1575	(1, 0)	
$2x^4 - 3x^3y - 3x^2y^2 + 32xy^3 - 78y^4$	-1575		
$2x^4 - 75x^2y^2 - 275xy^3 - 300y^4$	-1575		
$2x^4 - 75x^2y^2 + 275xy^3 - 300y^4$	-1575		
$2x^4 - 3x^2y^2 - 23xy^3 - 66y^4$	-1575		
$2x^4 - 3x^2y^2 + 23xy^3 - 66y^4$	-1575		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$2x^4 + 3x^3y - 3x^2y^2 - 32xy^3 - 78y^4$	-1575	(1, 1) (1, -1)	(1, 1) (1, -1)
$6x^4 - 8x^3y - 21x^2y^2 + 63xy^3 - 49y^4$	-1575		
$6x^4 + 8x^3y - 21x^2y^2 - 63xy^3 - 49y^4$	-1575		
$9x^4 - 15x^3y + 25xy^3 - 25y^4$	-1575		
$9x^4 + 15x^3y - 25xy^3 - 25y^4$	-1575		
$10x^4 - 7x^3y - 9x^2y^2 + 24xy^3 - 18y^4$	-1575		
$10x^4 + 7x^3y - 9x^2y^2 - 24xy^3 - 18y^4$	-1575		
$12x^4 - 7x^3y - 18x^2y^2 + 33xy^3 - 18y^4$	-1575		
$12x^4 + 7x^3y - 18x^2y^2 - 33xy^3 - 18y^4$	-1575		
$-6x^4 - 5x^3y + 10xy^3 + 24y^4$	-1578		
$-6x^4 + 5x^3y - 10xy^3 + 24y^4$	-1578		
$6x^4 - 5x^3y + 10xy^3 - 24y^4$	-1578		
$6x^4 + 5x^3y - 10xy^3 - 24y^4$	-1578		
$-12x^4 - 7x^3y + 7xy^3 + 12y^4$	-1581		
$-12x^4 + 7x^3y - 7xy^3 + 12y^4$	-1581		
$12x^4 - 7x^3y + 7xy^3 - 12y^4$	-1581		
$12x^4 + 7x^3y - 7xy^3 - 12y^4$	-1581		
$-12x^4 + 11y^4$	-1584		
$-11x^4 + 12y^4$	-1584		
$-9x^4 - 12x^3y + 18x^2y^2 + 52xy^3 + 35y^4$	-1584		
$-9x^4 - 6x^3y + 8xy^3 + 16y^4$	-1584		
$-9x^4 + 6x^3y - 8xy^3 + 16y^4$	-1584		
$-9x^4 + 12x^3y + 18x^2y^2 - 52xy^3 + 35y^4$	-1584		
$-5x^4 - 8x^3y - 16xy^3 + 20y^4$	-1584		
$-5x^4 + 8x^3y + 16xy^3 + 20y^4$	-1584		
$-4x^4 + 33y^4$	-1584		
$-4x^4 + 24x^2y^2 - 56xy^3 + 45y^4$	-1584		
$-4x^4 + 24x^2y^2 + 56xy^3 + 45y^4$	-1584		
$-3x^4 + 44y^4$	-1584		
$-x^4 - x^3y + 12x^2y^2 - 64xy^3 + 128y^4$	-1584		(1, 0)
$-x^4 + 132y^4$	-1584		(1, 0)
$-x^4 + 24x^2y^2 - 112xy^3 + 180y^4$	-1584		(1, 0)
$-x^4 + 24x^2y^2 + 112xy^3 + 180y^4$	-1584		(1, 0)
$-x^4 + 96x^2y^2 - 544xy^3 + 900y^4$	-1584		(1, 0)
$-x^4 + 96x^2y^2 + 544xy^3 + 900y^4$	-1584		(1, 0)
$-x^4 + x^3y + 12x^2y^2 + 64xy^3 + 128y^4$	-1584		(1, 0)
$-x^4 + 2x^3y - 24xy^3 + 144y^4$	-1584		(1, 0)
$-x^4 + 2x^3y + 22xy^3 + 121y^4$	-1584		(1, 0)
$-x^4 + 2x^3y + 48x^2y^2 - 280xy^3 + 464y^4$	-1584		(1, 0)

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-x^4 + 2x^3y + 48x^2y^2 + 182xy^3 + 233y^4$	-1584		(1, 0)
$x^4 - x^3y - 12x^2y^2 - 64xy^3 - 128y^4$	-1584	(1, 0)	
$x^4 - 96x^2y^2 - 544xy^3 - 900y^4$	-1584	(1, 0)	
$x^4 - 96x^2y^2 + 544xy^3 - 900y^4$	-1584	(1, 0)	
$x^4 - 24x^2y^2 - 112xy^3 - 180y^4$	-1584	(1, 0)	
$x^4 - 24x^2y^2 + 112xy^3 - 180y^4$	-1584	(1, 0)	
$x^4 - 132y^4$	-1584	(1, 0)	
$x^4 + x^3y - 12x^2y^2 + 64xy^3 - 128y^4$	-1584	(1, 0)	
$x^4 + 2x^3y - 48x^2y^2 - 280xy^3 - 464y^4$	-1584	(1, 0)	
$x^4 + 2x^3y - 48x^2y^2 + 182xy^3 - 233y^4$	-1584	(1, 0)	
$x^4 + 2x^3y - 24xy^3 - 144y^4$	-1584	(1, 0)	
$x^4 + 2x^3y + 22xy^3 - 121y^4$	-1584	(1, 0)	
$3x^4 - 44y^4$	-1584		
$4x^4 - 24x^2y^2 - 56xy^3 - 45y^4$	-1584		
$4x^4 - 24x^2y^2 + 56xy^3 - 45y^4$	-1584		
$4x^4 - 33y^4$	-1584		
$5x^4 - 8x^3y - 16xy^3 - 20y^4$	-1584		
$5x^4 + 8x^3y + 16xy^3 - 20y^4$	-1584		
$9x^4 - 12x^3y - 18x^2y^2 + 52xy^3 - 35y^4$	-1584		
$9x^4 - 6x^3y + 8xy^3 - 16y^4$	-1584		
$9x^4 + 6x^3y - 8xy^3 - 16y^4$	-1584		
$9x^4 + 12x^3y - 18x^2y^2 - 52xy^3 - 35y^4$	-1584		
$11x^4 - 12y^4$	-1584		(1, 1) (1, -1)
$12x^4 - 11y^4$	-1584	(1, 1) (1, -1)	
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 66y^4$	-1587		
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 66y^4$	-1587		
$-8x^4 - 7x^3y + 6x^2y^2 + 23xy^3 + 22y^4$	-1593		
$-8x^4 + 7x^3y + 6x^2y^2 - 23xy^3 + 22y^4$	-1593		
$-4x^4 - 6x^3y + 63x^2y^2 - 117xy^3 + 72y^4$	-1593		
$-4x^4 + 6x^3y + 63x^2y^2 + 117xy^3 + 72y^4$	-1593		
$-x^4 - x^3y + 66x^2y^2 + 365xy^3 + 587y^4$	-1593		(1, 0)
$-x^4 + x^3y + 66x^2y^2 - 365xy^3 + 587y^4$	-1593		(1, 0)
$x^4 - x^3y - 66x^2y^2 + 365xy^3 - 587y^4$	-1593	(1, 0)	
$x^4 + x^3y - 66x^2y^2 - 365xy^3 - 587y^4$	-1593	(1, 0)	
$4x^4 - 6x^3y - 63x^2y^2 - 117xy^3 - 72y^4$	-1593		
$4x^4 + 6x^3y - 63x^2y^2 + 117xy^3 - 72y^4$	-1593		
$8x^4 - 7x^3y - 6x^2y^2 + 23xy^3 - 22y^4$	-1593		
$8x^4 + 7x^3y - 6x^2y^2 - 23xy^3 - 22y^4$	-1593		
$-15x^4 - 16x^3y - 6x^2y^2 - 4xy^3 + 8y^4$	-1596		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-15x^4 + 16x^3y - 6x^2y^2 + 4xy^3 + 8y^4$	-1596	(1, 0)	(1, 0)
$-13x^4 - 12x^3y + 12xy^3 + 13y^4$	-1596		
$-13x^4 + 12x^3y - 12xy^3 + 13y^4$	-1596		
$-8x^4 - 4x^3y + 6x^2y^2 - 16xy^3 + 15y^4$	-1596		
$-8x^4 + 4x^3y + 6x^2y^2 + 16xy^3 + 15y^4$	-1596		
$-7x^4 + 19y^4$	-1596		
$-4x^4 + 8x^3y - 6x^2y^2 + 2xy^3 + 33y^4$	-1596		
$-3x^4 - 2x^3y + 66x^2y^2 - 170xy^3 + 137y^4$	-1596		
$-3x^4 + 2x^3y + 66x^2y^2 + 170xy^3 + 137y^4$	-1596		
$-x^4 + 133y^4$	-1596		
$x^4 - 133y^4$	-1596		
$3x^4 - 2x^3y - 66x^2y^2 - 170xy^3 - 137y^4$	-1596		
$3x^4 + 2x^3y - 66x^2y^2 + 170xy^3 - 137y^4$	-1596		
$4x^4 + 8x^3y + 6x^2y^2 + 2xy^3 - 33y^4$	-1596		
$7x^4 - 19y^4$	-1596		
$8x^4 - 4x^3y - 6x^2y^2 - 16xy^3 - 15y^4$	-1596		
$8x^4 + 4x^3y - 6x^2y^2 + 16xy^3 - 15y^4$	-1596		
$13x^4 - 12x^3y + 12xy^3 - 13y^4$	-1596		
$13x^4 + 12x^3y - 12xy^3 - 13y^4$	-1596		
$15x^4 - 16x^3y + 6x^2y^2 - 4xy^3 - 8y^4$	-1596		
$15x^4 + 16x^3y + 6x^2y^2 + 4xy^3 - 8y^4$	-1596		
$-11x^4 - 7x^3y - 7xy^3 + 11y^4$	-1599		
$-11x^4 + 7x^3y + 7xy^3 + 11y^4$	-1599		
$-x^4 - x^3y + 198x^2y^2 + 1643xy^3 + 3811y^4$	-1599	(6, -1)	(1, 0)
$-x^4 + x^3y + 198x^2y^2 - 1643xy^3 + 3811y^4$	-1599	(6, 1)	(1, 0)
$x^4 - x^3y - 198x^2y^2 + 1643xy^3 - 3811y^4$	-1599	(1, 0)	(6, 1)
$x^4 + x^3y - 198x^2y^2 - 1643xy^3 - 3811y^4$	-1599	(1, 0)	(6, -1)
$11x^4 - 7x^3y - 7xy^3 - 11y^4$	-1599	(1, 0)	(1, 0)
$11x^4 + 7x^3y + 7xy^3 - 11y^4$	-1599		
$-3x^4 - 2x^3y + 24x^2y^2 - 58xy^3 + 51y^4$	-1608		
$-3x^4 + 2x^3y + 24x^2y^2 + 58xy^3 + 51y^4$	-1608		
$-2x^4 + 67y^4$	-1608		
$-x^4 + 134y^4$	-1608		
$x^4 - 134y^4$	-1608		
$2x^4 - 67y^4$	-1608		
$3x^4 - 2x^3y - 24x^2y^2 - 58xy^3 - 51y^4$	-1608		
$3x^4 + 2x^3y - 24x^2y^2 + 58xy^3 - 51y^4$	-1608		
$-6x^4 + 12x^3y - 9x^2y^2 + 3xy^3 + 22y^4$	-1611		
$-5x^4 - 9x^3y + 3x^2y^2 - 20xy^3 + 18y^4$	-1611		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-5x^4 + 9x^3y + 3x^2y^2 + 20xy^3 + 18y^4$	-1611		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 67y^4$	-1611		
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 67y^4$	-1611		
$5x^4 - 9x^3y - 3x^2y^2 - 20xy^3 - 18y^4$	-1611		
$5x^4 + 9x^3y - 3x^2y^2 + 20xy^3 - 18y^4$	-1611		
$6x^4 + 12x^3y + 9x^2y^2 + 3xy^3 - 22y^4$	-1611		
$-4x^4 - 6x^3y + 15x^2y^2 - 33xy^3 + 26y^4$	-1617		
$-4x^4 + 6x^3y + 15x^2y^2 + 33xy^3 + 26y^4$	-1617		
$-x^4 - x^3y + 18x^2y^2 + 101xy^3 + 187y^4$	-1617		(1, 0)
$-x^4 + x^3y + 18x^2y^2 - 101xy^3 + 187y^4$	-1617		(1, 0)
$x^4 - x^3y - 18x^2y^2 + 101xy^3 - 187y^4$	-1617	(1, 0)	
$x^4 + x^3y - 18x^2y^2 - 101xy^3 - 187y^4$	-1617	(1, 0)	
$4x^4 - 6x^3y - 15x^2y^2 - 33xy^3 - 26y^4$	-1617		
$4x^4 + 6x^3y - 15x^2y^2 + 33xy^3 - 26y^4$	-1617		
$-5x^4 + 27y^4$	-1620		
$-4x^4 - 5x^3y + 9x^2y^2 - 27xy^3 + 27y^4$	-1620		
$-4x^4 + 5x^3y + 9x^2y^2 + 27xy^3 + 27y^4$	-1620		
$-x^4 + 135y^4$	-1620		(1, 0)
$x^4 - 135y^4$	-1620	(1, 0)	
$4x^4 - 5x^3y - 9x^2y^2 - 27xy^3 - 27y^4$	-1620		
$4x^4 + 5x^3y - 9x^2y^2 + 27xy^3 - 27y^4$	-1620		
$5x^4 - 27y^4$	-1620		
$-5x^4 - x^3y + 33x^2y^2 - 64xy^3 + 42y^4$	-1623		
$-5x^4 + x^3y + 33x^2y^2 + 64xy^3 + 42y^4$	-1623		
$5x^4 - x^3y - 33x^2y^2 - 64xy^3 - 42y^4$	-1623		
$5x^4 + x^3y - 33x^2y^2 + 64xy^3 - 42y^4$	-1623		
$-10x^4 - 17x^3y + 9x^2y^2 - 17xy^3 + 7y^4$	-1626		
$-10x^4 + 17x^3y + 9x^2y^2 + 17xy^3 + 7y^4$	-1626		
$-7x^4 - 11x^3y + 22xy^3 + 28y^4$	-1626		
$-7x^4 + 11x^3y - 22xy^3 + 28y^4$	-1626		
$7x^4 - 11x^3y + 22xy^3 - 28y^4$	-1626		
$7x^4 + 11x^3y - 22xy^3 - 28y^4$	-1626		
$10x^4 - 17x^3y - 9x^2y^2 - 17xy^3 - 7y^4$	-1626		
$10x^4 + 17x^3y - 9x^2y^2 + 17xy^3 - 7y^4$	-1626		
$-15x^4 - 23x^3y - 12x^2y^2 + 3xy^3 + 11y^4$	-1629		
$-15x^4 + 23x^3y - 12x^2y^2 - 3xy^3 + 11y^4$	-1629		
$-11x^4 - 3x^3y + 12x^2y^2 + 23xy^3 + 15y^4$	-1629		
$-11x^4 + 3x^3y + 12x^2y^2 - 23xy^3 + 15y^4$	-1629		
$-4x^4 - 2x^3y + 63x^2y^2 - 141xy^3 + 99y^4$	-1629		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-4x^4 + 2x^3y + 63x^2y^2 + 141xy^3 + 99y^4$	-1629		
$-x^4 - x^3y + 63x^2y^2 - 282xy^3 + 396y^4$	-1629		(1, 0)
$-x^4 + x^3y + 63x^2y^2 + 282xy^3 + 396y^4$	-1629		(1, 0)
$x^4 - x^3y - 63x^2y^2 - 282xy^3 - 396y^4$	-1629	(1, 0)	
$x^4 + x^3y - 63x^2y^2 + 282xy^3 - 396y^4$	-1629	(1, 0)	
$4x^4 - 2x^3y - 63x^2y^2 - 141xy^3 - 99y^4$	-1629		
$4x^4 + 2x^3y - 63x^2y^2 + 141xy^3 - 99y^4$	-1629		
$11x^4 - 3x^3y - 12x^2y^2 + 23xy^3 - 15y^4$	-1629		
$11x^4 + 3x^3y - 12x^2y^2 - 23xy^3 - 15y^4$	-1629		
$15x^4 - 23x^3y + 12x^2y^2 + 3xy^3 - 11y^4$	-1629		
$15x^4 + 23x^3y + 12x^2y^2 - 3xy^3 - 11y^4$	-1629		
$-8x^4 + 17y^4$	-1632		
$-8x^4 + 24x^2y^2 - 40xy^3 + 23y^4$	-1632		(1, 1)
$-8x^4 + 24x^2y^2 + 40xy^3 + 23y^4$	-1632		(1, -1)
$-3x^4 - x^3y + 3x^2y^2 - 19xy^3 + 44y^4$	-1632		
$-3x^4 + x^3y + 3x^2y^2 + 19xy^3 + 44y^4$	-1632		
$-x^4 - x^3y + 6x^2y^2 + 52xy^3 + 152y^4$	-1632		(1, 0)
$-x^4 + 136y^4$	-1632		(1, 0)
$-x^4 + 48x^2y^2 - 224xy^3 + 328y^4$	-1632		(1, 0)
$-x^4 + 48x^2y^2 + 224xy^3 + 328y^4$	-1632		(1, 0)
$-x^4 + 192x^2y^2 - 1472xy^3 + 3208y^4$	-1632		(1, 0)
$-x^4 + 192x^2y^2 + 1472xy^3 + 3208y^4$	-1632		(1, 0)
$-x^4 + x^3y + 6x^2y^2 - 52xy^3 + 152y^4$	-1632		(1, 0)
$-x^4 + 2x^3y + 12x^2y^2 - 88xy^3 + 192y^4$	-1632		(1, 0)
$-x^4 + 2x^3y + 12x^2y^2 + 62xy^3 + 117y^4$	-1632		(1, 0)
$-x^4 + 2x^3y + 24x^2y^2 - 144xy^3 + 256y^4$	-1632		(1, 0)
$-x^4 + 2x^3y + 24x^2y^2 + 94xy^3 + 137y^4$	-1632		(1, 0)
$x^4 - x^3y - 6x^2y^2 + 52xy^3 - 152y^4$	-1632	(1, 0)	
$x^4 - 192x^2y^2 - 1472xy^3 - 3208y^4$	-1632	(1, 0)	
$x^4 - 192x^2y^2 + 1472xy^3 - 3208y^4$	-1632	(1, 0)	
$x^4 - 48x^2y^2 - 224xy^3 - 328y^4$	-1632	(1, 0)	
$x^4 - 48x^2y^2 + 224xy^3 - 328y^4$	-1632	(1, 0)	
$x^4 - 136y^4$	-1632	(1, 0)	
$x^4 + x^3y - 6x^2y^2 - 52xy^3 - 152y^4$	-1632	(1, 0)	
$x^4 + 2x^3y - 24x^2y^2 - 144xy^3 - 256y^4$	-1632	(1, 0)	
$x^4 + 2x^3y - 24x^2y^2 + 94xy^3 - 137y^4$	-1632	(1, 0)	
$x^4 + 2x^3y - 12x^2y^2 - 88xy^3 - 192y^4$	-1632	(1, 0)	
$x^4 + 2x^3y - 12x^2y^2 + 62xy^3 - 117y^4$	-1632	(1, 0)	
$3x^4 - x^3y - 3x^2y^2 - 19xy^3 - 44y^4$	-1632		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$3x^4 + x^3y - 3x^2y^2 + 19xy^3 - 44y^4$	-1632		
$8x^4 - 24x^2y^2 - 40xy^3 - 23y^4$	-1632	$(1, -1)$	
$8x^4 - 24x^2y^2 + 40xy^3 - 23y^4$	-1632	$(1, 1)$	
$8x^4 - 17y^4$	-1632		
$-13x^4 - 5x^3y + 15x^2y^2 - 20xy^3 + 10y^4$	-1635		
$-13x^4 + 5x^3y + 15x^2y^2 + 20xy^3 + 10y^4$	-1635		
$-11x^4 - 9x^3y + 3x^2y^2 - 12xy^3 + 10y^4$	-1635		
$-11x^4 + 9x^3y + 3x^2y^2 + 12xy^3 + 10y^4$	-1635		
$-10x^4 - 12x^3y - 3x^2y^2 - 9xy^3 + 11y^4$	-1635		
$-10x^4 + 12x^3y - 3x^2y^2 + 9xy^3 + 11y^4$	-1635		
$-10x^4 + 20x^3y - 15x^2y^2 + 5xy^3 + 13y^4$	-1635		
$-8x^4 - 15x^3y + 3x^2y^2 + 36xy^3 + 34y^4$	-1635		
$-8x^4 + 15x^3y + 3x^2y^2 - 36xy^3 + 34y^4$	-1635		
$-6x^4 - 4x^3y + 15x^2y^2 - 29xy^3 + 21y^4$	-1635		
$-6x^4 + 4x^3y + 15x^2y^2 + 29xy^3 + 21y^4$	-1635		
$-2x^4 - x^3y + 99x^2y^2 + 428xy^3 + 530y^4$	-1635		
$-2x^4 + x^3y + 99x^2y^2 - 428xy^3 + 530y^4$	-1635		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 68y^4$	-1635		
$2x^4 - x^3y - 99x^2y^2 + 428xy^3 - 530y^4$	-1635		
$2x^4 + x^3y - 99x^2y^2 - 428xy^3 - 530y^4$	-1635		
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 68y^4$	-1635		
$6x^4 - 4x^3y - 15x^2y^2 - 29xy^3 - 21y^4$	-1635		
$6x^4 + 4x^3y - 15x^2y^2 + 29xy^3 - 21y^4$	-1635		
$8x^4 - 15x^3y - 3x^2y^2 + 36xy^3 - 34y^4$	-1635		
$8x^4 + 15x^3y - 3x^2y^2 - 36xy^3 - 34y^4$	-1635		
$10x^4 - 12x^3y + 3x^2y^2 - 9xy^3 - 11y^4$	-1635		
$10x^4 + 12x^3y + 3x^2y^2 + 9xy^3 - 11y^4$	-1635		
$10x^4 + 20x^3y + 15x^2y^2 + 5xy^3 - 13y^4$	-1635		
$11x^4 - 9x^3y - 3x^2y^2 - 12xy^3 - 10y^4$	-1635		
$11x^4 + 9x^3y - 3x^2y^2 + 12xy^3 - 10y^4$	-1635		
$13x^4 - 5x^3y - 15x^2y^2 - 20xy^3 - 10y^4$	-1635		
$13x^4 + 5x^3y - 15x^2y^2 + 20xy^3 - 10y^4$	-1635		
$-11x^4 - 8x^3y - 8xy^3 + 11y^4$	-1644		
$-11x^4 + 8x^3y + 8xy^3 + 11y^4$	-1644		
$-x^4 - x^3y + 45x^2y^2 + 233xy^3 + 364y^4$	-1644		$(1, 0)$
$-x^4 + 137y^4$	-1644		$(1, 0)$
$-x^4 + x^3y + 45x^2y^2 - 233xy^3 + 364y^4$	-1644		$(1, 0)$
$x^4 - x^3y - 45x^2y^2 + 233xy^3 - 364y^4$	-1644	$(1, 0)$	
$x^4 - 137y^4$	-1644	$(1, 0)$	

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$x^4 + x^3y - 45x^2y^2 - 233xy^3 - 364y^4$	-1644	(1, 0)	
$11x^4 - 8x^3y - 8xy^3 - 11y^4$	-1644		
$11x^4 + 8x^3y + 8xy^3 - 11y^4$	-1644		
$-14x^4 - 16x^3y - 3x^2y^2 + 11xy^3 + 13y^4$	-1647	(1, -1)	
$-14x^4 + 16x^3y - 3x^2y^2 - 11xy^3 + 13y^4$	-1647	(1, 1)	
$-13x^4 - 11x^3y + 3x^2y^2 + 16xy^3 + 14y^4$	-1647		(1, -1)
$-13x^4 + 11x^3y + 3x^2y^2 - 16xy^3 + 14y^4$	-1647		(1, 1)
$-4x^4 - 3x^3y + 9xy^3 + 36y^4$	-1647		
$-4x^4 + 3x^3y - 9xy^3 + 36y^4$	-1647		
$-x^4 - x^3y + 9x^2y^2 - 56xy^3 + 130y^4$	-1647		(1, 0)
$-x^4 - x^3y + 273x^2y^2 - 2344xy^3 + 5762y^4$	-1647		(1, 0)
$-x^4 + x^3y + 9x^2y^2 + 56xy^3 + 130y^4$	-1647		(1, 0)
$-x^4 + x^3y + 273x^2y^2 + 2344xy^3 + 5762y^4$	-1647		(1, 0)
$x^4 - x^3y - 273x^2y^2 - 2344xy^3 - 5762y^4$	-1647	(1, 0)	
$x^4 - x^3y - 9x^2y^2 - 56xy^3 - 130y^4$	-1647	(1, 0)	
$x^4 + x^3y - 273x^2y^2 + 2344xy^3 - 5762y^4$	-1647	(1, 0)	
$x^4 + x^3y - 9x^2y^2 + 56xy^3 - 130y^4$	-1647	(1, 0)	
$4x^4 - 3x^3y + 9xy^3 - 36y^4$	-1647		
$4x^4 + 3x^3y - 9xy^3 - 36y^4$	-1647		
$13x^4 - 11x^3y - 3x^2y^2 + 16xy^3 - 14y^4$	-1647	(1, 1)	
$13x^4 + 11x^3y - 3x^2y^2 - 16xy^3 - 14y^4$	-1647	(1, -1)	
$14x^4 - 16x^3y + 3x^2y^2 + 11xy^3 - 13y^4$	-1647		(1, 1)
$14x^4 + 16x^3y + 3x^2y^2 - 11xy^3 - 13y^4$	-1647		(1, -1)
$-12x^4 - 5x^3y + 5xy^3 + 12y^4$	-1653		
$-12x^4 + 5x^3y - 5xy^3 + 12y^4$	-1653		
$12x^4 - 5x^3y + 5xy^3 - 12y^4$	-1653		
$12x^4 + 5x^3y - 5xy^3 - 12y^4$	-1653		
$-15x^4 - 7x^3y + 6x^2y^2 - 12xy^3 + 8y^4$	-1656		
$-15x^4 + 7x^3y + 6x^2y^2 + 12xy^3 + 8y^4$	-1656		
$-8x^4 - 12x^3y - 6x^2y^2 - 7xy^3 + 15y^4$	-1656		
$-8x^4 + 12x^3y - 6x^2y^2 + 7xy^3 + 15y^4$	-1656		
$-6x^4 + 23y^4$	-1656		
$-3x^4 + 46y^4$	-1656		
$-2x^4 - 3x^3y + 66x^2y^2 + 292xy^3 + 360y^4$	-1656		
$-2x^4 + 69y^4$	-1656		
$-2x^4 + 3x^3y + 66x^2y^2 - 292xy^3 + 360y^4$	-1656		
$-x^4 + 138y^4$	-1656		(1, 0)
$x^4 - 138y^4$	-1656	(1, 0)	
$2x^4 - 3x^3y - 66x^2y^2 + 292xy^3 - 360y^4$	-1656		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$2x^4 - 69y^4$	-1656		
$2x^4 + 3x^3y - 66x^2y^2 - 292xy^3 - 360y^4$	-1656		
$3x^4 - 46y^4$	-1656		
$6x^4 - 23y^4$	-1656		
$8x^4 - 12x^3y + 6x^2y^2 - 7xy^3 - 15y^4$	-1656		
$8x^4 + 12x^3y + 6x^2y^2 + 7xy^3 - 15y^4$	-1656		
$15x^4 - 7x^3y - 6x^2y^2 - 12xy^3 - 8y^4$	-1656		
$15x^4 + 7x^3y - 6x^2y^2 + 12xy^3 - 8y^4$	-1656		
$-14x^4 + 28x^3y - 21x^2y^2 + 7xy^3 + 9y^4$	-1659		
$-9x^4 - 7x^3y + 21x^2y^2 - 28xy^3 + 14y^4$	-1659		
$-9x^4 + 7x^3y + 21x^2y^2 + 28xy^3 + 14y^4$	-1659		
$-6x^4 - 4x^3y + 3x^2y^2 + 17xy^3 + 26y^4$	-1659		
$-6x^4 + 4x^3y + 3x^2y^2 - 17xy^3 + 26y^4$	-1659		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 69y^4$	-1659		
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 69y^4$	-1659		
$6x^4 - 4x^3y - 3x^2y^2 + 17xy^3 - 26y^4$	-1659		
$6x^4 + 4x^3y - 3x^2y^2 - 17xy^3 - 26y^4$	-1659		
$9x^4 - 7x^3y - 21x^2y^2 - 28xy^3 - 14y^4$	-1659		
$9x^4 + 7x^3y - 21x^2y^2 + 28xy^3 - 14y^4$	-1659		
$14x^4 + 28x^3y + 21x^2y^2 + 7xy^3 - 9y^4$	-1659		
$-13x^4 - 11x^3y + 11xy^3 + 13y^4$	-1665		
$-13x^4 + 11x^3y - 11xy^3 + 13y^4$	-1665		
$13x^4 - 11x^3y + 11xy^3 - 13y^4$	-1665		
$13x^4 + 11x^3y - 11xy^3 - 13y^4$	-1665		
$-x^4 + 139y^4$	-1668		(1, 0)
$x^4 - 139y^4$	-1668	(1, 0)	
$-7x^4 - 9x^3y + 15x^2y^2 + 48xy^3 + 38y^4$	-1671		
$-7x^4 + 9x^3y + 15x^2y^2 - 48xy^3 + 38y^4$	-1671		
$7x^4 - 9x^3y - 15x^2y^2 + 48xy^3 - 38y^4$	-1671		
$7x^4 + 9x^3y - 15x^2y^2 - 48xy^3 - 38y^4$	-1671		
$-14x^4 - 15x^3y + 15xy^3 + 14y^4$	-1677		
$-14x^4 + 15x^3y - 15xy^3 + 14y^4$	-1677		
$-4x^4 - 2x^3y + 3x^2y^2 - 17xy^3 + 33y^4$	-1677		
$-4x^4 + 2x^3y + 3x^2y^2 + 17xy^3 + 33y^4$	-1677		
$-x^4 - x^3y + 3x^2y^2 - 34xy^3 + 132y^4$	-1677		(1, 0)
$-x^4 + x^3y + 3x^2y^2 + 34xy^3 + 132y^4$	-1677		(1, 0)
$x^4 - x^3y - 3x^2y^2 - 34xy^3 - 132y^4$	-1677	(1, 0)	
$x^4 + x^3y - 3x^2y^2 + 34xy^3 - 132y^4$	-1677	(1, 0)	
$4x^4 - 2x^3y - 3x^2y^2 - 17xy^3 - 33y^4$	-1677		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$4x^4 + 2x^3y - 3x^2y^2 + 17xy^3 - 33y^4$	-1677		
$14x^4 - 15x^3y + 15xy^3 - 14y^4$	-1677		
$14x^4 + 15x^3y - 15xy^3 - 14y^4$	-1677		
$-8x^4 + 16x^3y - 12x^2y^2 + 4xy^3 + 17y^4$	-1680		
$-7x^4 + 20y^4$	-1680		
$-5x^4 + 28y^4$	-1680		
$-4x^4 + 35y^4$	-1680		
$-4x^4 + 8x^3y - 28xy^3 + 49y^4$	-1680		
$-4x^4 + 8x^3y + 20xy^3 + 25y^4$	-1680		
$-3x^4 - 2x^3y + 8xy^3 + 48y^4$	-1680		
$-3x^4 + 2x^3y - 8xy^3 + 48y^4$	-1680		
$-x^4 + 140y^4$	-1680		(1, 0)
$-x^4 + 6x^2y^2 - 48xy^3 + 143y^4$	-1680		(1, 0)
$-x^4 + 6x^2y^2 + 48xy^3 + 143y^4$	-1680		(1, 0)
$-x^4 + 210x^2y^2 - 1680xy^3 + 3815y^4$	-1680		(6, 1) (1, 0)
$-x^4 + 210x^2y^2 + 1680xy^3 + 3815y^4$	-1680		(6, -1) (1, 0)
$x^4 - 210x^2y^2 - 1680xy^3 - 3815y^4$	-1680	(6, -1) (1, 0)	
$x^4 - 210x^2y^2 + 1680xy^3 - 3815y^4$	-1680	(6, 1) (1, 0)	
$x^4 - 6x^2y^2 - 48xy^3 - 143y^4$	-1680	(1, 0)	
$x^4 - 6x^2y^2 + 48xy^3 - 143y^4$	-1680	(1, 0)	
$x^4 - 140y^4$	-1680	(1, 0)	
$3x^4 - 2x^3y + 8xy^3 - 48y^4$	-1680		
$3x^4 + 2x^3y - 8xy^3 - 48y^4$	-1680		
$4x^4 - 35y^4$	-1680		
$4x^4 + 8x^3y - 28xy^3 - 49y^4$	-1680		
$4x^4 + 8x^3y + 20xy^3 - 25y^4$	-1680		
$5x^4 - 28y^4$	-1680		
$7x^4 - 20y^4$	-1680		
$8x^4 + 16x^3y + 12x^2y^2 + 4xy^3 - 17y^4$	-1680		
$-6x^4 - 11x^3y - 6x^2y^2 + 9xy^3 + 28y^4$	-1683		
$-6x^4 + 11x^3y - 6x^2y^2 - 9xy^3 + 28y^4$	-1683		
$-6x^4 + 12x^3y - 9x^2y^2 + 3xy^3 + 23y^4$	-1683		
$-5x^4 - 9x^3y + 36x^2y^2 + 123xy^3 + 105y^4$	-1683		
$-5x^4 + 9x^3y + 36x^2y^2 - 123xy^3 + 105y^4$	-1683		
$-2x^4 - x^3y + 105x^2y^2 - 412xy^3 + 478y^4$	-1683		
$-2x^4 + x^3y + 105x^2y^2 + 412xy^3 + 478y^4$	-1683		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 70y^4$	-1683		
$-2x^4 + 4x^3y + 9x^2y^2 - 61xy^3 + 104y^4$	-1683		
$-2x^4 + 4x^3y + 9x^2y^2 + 39xy^3 + 54y^4$	-1683		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$2x^4 - x^3y - 105x^2y^2 - 412xy^3 - 478y^4$	-1683		
$2x^4 + x^3y - 105x^2y^2 + 412xy^3 - 478y^4$	-1683		
$2x^4 + 4x^3y - 9x^2y^2 - 61xy^3 - 104y^4$	-1683		
$2x^4 + 4x^3y - 9x^2y^2 + 39xy^3 - 54y^4$	-1683		
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 70y^4$	-1683		
$5x^4 - 9x^3y - 36x^2y^2 + 123xy^3 - 105y^4$	-1683		
$5x^4 + 9x^3y - 36x^2y^2 - 123xy^3 - 105y^4$	-1683		
$6x^4 - 11x^3y + 6x^2y^2 + 9xy^3 - 28y^4$	-1683		
$6x^4 + 11x^3y + 6x^2y^2 - 9xy^3 - 28y^4$	-1683		
$6x^4 + 12x^3y + 9x^2y^2 + 3xy^3 - 23y^4$	-1683		
$-10x^4 - 19x^3y - 3x^2y^2 - 15xy^3 + 7y^4$	-1686		
$-10x^4 + 19x^3y - 3x^2y^2 + 15xy^3 + 7y^4$	-1686		
$-7x^4 - 13x^3y + 6x^2y^2 + 42xy^3 + 40y^4$	-1686		
$-7x^4 + 13x^3y + 6x^2y^2 - 42xy^3 + 40y^4$	-1686		
$-5x^4 - 9x^3y - 18xy^3 + 20y^4$	-1686		
$-5x^4 + 9x^3y + 18xy^3 + 20y^4$	-1686		
$5x^4 - 9x^3y - 18xy^3 - 20y^4$	-1686		
$5x^4 + 9x^3y + 18xy^3 - 20y^4$	-1686		
$7x^4 - 13x^3y - 6x^2y^2 + 42xy^3 - 40y^4$	-1686		
$7x^4 + 13x^3y - 6x^2y^2 - 42xy^3 - 40y^4$	-1686		
$10x^4 - 19x^3y + 3x^2y^2 - 15xy^3 - 7y^4$	-1686		
$10x^4 + 19x^3y + 3x^2y^2 + 15xy^3 - 7y^4$	-1686		
$-12x^4 + 24x^3y - 18x^2y^2 + 6xy^3 + 11y^4$	-1692		
$-11x^4 - 6x^3y + 18x^2y^2 - 24xy^3 + 12y^4$	-1692		
$-11x^4 + 6x^3y + 18x^2y^2 + 24xy^3 + 12y^4$	-1692		
$-9x^4 - 3x^3y + 4xy^3 + 16y^4$	-1692		
$-9x^4 + 3x^3y - 4xy^3 + 16y^4$	-1692		
$-7x^4 - 8x^3y + 18x^2y^2 - 28xy^3 + 16y^4$	-1692		
$-7x^4 + 8x^3y + 18x^2y^2 + 28xy^3 + 16y^4$	-1692		
$-4x^4 + 8x^3y - 6x^2y^2 + 2xy^3 + 35y^4$	-1692		
$-3x^4 + 47y^4$	-1692		(2, 1) (2, -1)
$-x^4 - x^3y + 12xy^3 + 144y^4$	-1692		(1, 0)
$-x^4 + 141y^4$	-1692		(1, 0)
$-x^4 + x^3y - 12xy^3 + 144y^4$	-1692		(1, 0)
$x^4 - x^3y + 12xy^3 - 144y^4$	-1692	(1, 0)	
$x^4 - 141y^4$	-1692	(1, 0)	
$x^4 + x^3y - 12xy^3 - 144y^4$	-1692	(1, 0)	
$3x^4 - 47y^4$	-1692	(2, 1) (2, -1)	
$4x^4 + 8x^3y + 6x^2y^2 + 2xy^3 - 35y^4$	-1692		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$7x^4 - 8x^3y - 18x^2y^2 - 28xy^3 - 16y^4$	-1692	(1, 0)	(1, 0)
$7x^4 + 8x^3y - 18x^2y^2 + 28xy^3 - 16y^4$	-1692		
$9x^4 - 3x^3y + 4xy^3 - 16y^4$	-1692		
$9x^4 + 3x^3y - 4xy^3 - 16y^4$	-1692		
$11x^4 - 6x^3y - 18x^2y^2 - 24xy^3 - 12y^4$	-1692		
$11x^4 + 6x^3y - 18x^2y^2 + 24xy^3 - 12y^4$	-1692		
$12x^4 + 24x^3y + 18x^2y^2 + 6xy^3 - 11y^4$	-1692		
$-11x^4 - 9x^3y - 9xy^3 + 11y^4$	-1695		
$-11x^4 + 9x^3y + 9xy^3 + 11y^4$	-1695		
$-3x^4 - x^3y + 66x^2y^2 + 203xy^3 + 185y^4$	-1695		
$-3x^4 + x^3y + 66x^2y^2 - 203xy^3 + 185y^4$	-1695		
$3x^4 - x^3y - 66x^2y^2 + 203xy^3 - 185y^4$	-1695		
$3x^4 + x^3y - 66x^2y^2 - 203xy^3 - 185y^4$	-1695		
$11x^4 - 9x^3y - 9xy^3 - 11y^4$	-1695		
$11x^4 + 9x^3y + 9xy^3 - 11y^4$	-1695		
$-8x^4 - 2x^3y + 15x^2y^2 + 31xy^3 + 22y^4$	-1701		
$-8x^4 + 2x^3y + 15x^2y^2 - 31xy^3 + 22y^4$	-1701		
$-2x^4 - x^3y + 15x^2y^2 + 62xy^3 + 88y^4$	-1701		
$-2x^4 + x^3y + 15x^2y^2 - 62xy^3 + 88y^4$	-1701		
$2x^4 - x^3y - 15x^2y^2 + 62xy^3 - 88y^4$	-1701		
$2x^4 + x^3y - 15x^2y^2 - 62xy^3 - 88y^4$	-1701		
$8x^4 - 2x^3y - 15x^2y^2 + 31xy^3 - 22y^4$	-1701		
$8x^4 + 2x^3y - 15x^2y^2 - 31xy^3 - 22y^4$	-1701		
$-5x^4 - 7x^3y + 51x^2y^2 + 155xy^3 + 126y^4$	-1704		
$-5x^4 + 7x^3y + 51x^2y^2 - 155xy^3 + 126y^4$	-1704		
$-4x^4 - 5x^3y + 39x^2y^2 + 121xy^3 + 105y^4$	-1704		
$-4x^4 + 5x^3y + 39x^2y^2 - 121xy^3 + 105y^4$	-1704		
$-2x^4 + 71y^4$	-1704		
$-x^4 + 142y^4$	-1704		
$x^4 - 142y^4$	-1704		
$2x^4 - 71y^4$	-1704		
$4x^4 - 5x^3y - 39x^2y^2 + 121xy^3 - 105y^4$	-1704		
$4x^4 + 5x^3y - 39x^2y^2 - 121xy^3 - 105y^4$	-1704		
$5x^4 - 7x^3y - 51x^2y^2 + 155xy^3 - 126y^4$	-1704		
$5x^4 + 7x^3y - 51x^2y^2 - 155xy^3 - 126y^4$	-1704		
$-10x^4 - 13x^3y - 13xy^3 + 10y^4$	-1707		
$-10x^4 + 13x^3y + 13xy^3 + 10y^4$	-1707		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 71y^4$	-1707		
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 71y^4$	-1707		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$10x^4 - 13x^3y - 13xy^3 - 10y^4$	-1707	(1, 0)	(1, 0)
$10x^4 + 13x^3y + 13xy^3 - 10y^4$	-1707		
$-12x^4 - 22x^3y + 33xy^3 + 27y^4$	-1710		
$-12x^4 + 22x^3y - 33xy^3 + 27y^4$	-1710		
$-8x^4 - 2x^3y + 3xy^3 + 18y^4$	-1710		
$-8x^4 + 2x^3y - 3xy^3 + 18y^4$	-1710		
$-4x^4 - x^3y + 27x^2y^2 + 67xy^3 + 55y^4$	-1710		
$-4x^4 + x^3y + 27x^2y^2 - 67xy^3 + 55y^4$	-1710		
$-3x^4 - x^3y + 15x^2y^2 - 45xy^3 + 50y^4$	-1710		
$-3x^4 + x^3y + 15x^2y^2 + 45xy^3 + 50y^4$	-1710		
$-2x^4 - x^3y + 6xy^3 + 72y^4$	-1710		
$-2x^4 + x^3y - 6xy^3 + 72y^4$	-1710		
$2x^4 - x^3y + 6xy^3 - 72y^4$	-1710		
$2x^4 + x^3y - 6xy^3 - 72y^4$	-1710		
$3x^4 - x^3y - 15x^2y^2 - 45xy^3 - 50y^4$	-1710		
$3x^4 + x^3y - 15x^2y^2 + 45xy^3 - 50y^4$	-1710		
$4x^4 - x^3y - 27x^2y^2 + 67xy^3 - 55y^4$	-1710		
$4x^4 + x^3y - 27x^2y^2 - 67xy^3 - 55y^4$	-1710		
$8x^4 - 2x^3y + 3xy^3 - 18y^4$	-1710		
$8x^4 + 2x^3y - 3xy^3 - 18y^4$	-1710		
$12x^4 - 22x^3y + 33xy^3 - 27y^4$	-1710		
$12x^4 + 22x^3y - 33xy^3 - 27y^4$	-1710		
$-13x^4 + 11y^4$	-1716		
$-11x^4 + 13y^4$	-1716		
$-3x^4 - x^3y + 4xy^3 + 48y^4$	-1716		
$-3x^4 + x^3y - 4xy^3 + 48y^4$	-1716		
$-x^4 + 143y^4$	-1716		
$x^4 - 143y^4$	-1716		
$3x^4 - x^3y + 4xy^3 - 48y^4$	-1716		
$3x^4 + x^3y - 4xy^3 - 48y^4$	-1716		
$11x^4 - 13y^4$	-1716		
$13x^4 - 11y^4$	-1716		
$-4x^4 - x^3y + 3xy^3 + 36y^4$	-1719		
$-4x^4 + x^3y - 3xy^3 + 36y^4$	-1719		
$4x^4 - x^3y + 3xy^3 - 36y^4$	-1719		
$4x^4 + x^3y - 3xy^3 - 36y^4$	-1719		
$-9x^4 - 17x^3y + 3x^2y^2 - 17xy^3 + 8y^4$	-1722		
$-9x^4 + 17x^3y + 3x^2y^2 + 17xy^3 + 8y^4$	-1722		
$-8x^4 - 15x^3y + 30xy^3 + 32y^4$	-1722		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-8x^4 + 15x^3y - 30xy^3 + 32y^4$	-1722	(1, 0)	(1, 0)
$-6x^4 - x^3y + 2xy^3 + 24y^4$	-1722		
$-6x^4 + x^3y - 2xy^3 + 24y^4$	-1722		
$6x^4 - x^3y + 2xy^3 - 24y^4$	-1722		
$6x^4 + x^3y - 2xy^3 - 24y^4$	-1722		
$8x^4 - 15x^3y + 30xy^3 - 32y^4$	-1722		
$8x^4 + 15x^3y - 30xy^3 - 32y^4$	-1722		
$9x^4 - 17x^3y - 3x^2y^2 - 17xy^3 - 8y^4$	-1722		
$9x^4 + 17x^3y - 3x^2y^2 + 17xy^3 - 8y^4$	-1722		
$-12x^4 - x^3y + xy^3 + 12y^4$	-1725		
$-12x^4 + x^3y - xy^3 + 12y^4$	-1725		
$12x^4 - x^3y + xy^3 - 12y^4$	-1725		
$12x^4 + x^3y - xy^3 - 12y^4$	-1725		
$-16x^4 + 9y^4$	-1728		
$-13x^4 - 10x^3y + 10xy^3 + 13y^4$	-1728		
$-13x^4 + 10x^3y - 10xy^3 + 13y^4$	-1728		
$-9x^4 + 16y^4$	-1728		
$-5x^4 - 4x^3y + 18x^2y^2 - 36xy^3 + 27y^4$	-1728		
$-5x^4 + 4x^3y + 18x^2y^2 + 36xy^3 + 27y^4$	-1728		
$-x^4 + 144y^4$	-1728		
$x^4 - 144y^4$	-1728		
$5x^4 - 4x^3y - 18x^2y^2 - 36xy^3 - 27y^4$	-1728		
$5x^4 + 4x^3y - 18x^2y^2 + 36xy^3 - 27y^4$	-1728		
$9x^4 - 16y^4$	-1728		
$13x^4 - 10x^3y + 10xy^3 - 13y^4$	-1728		
$13x^4 + 10x^3y - 10xy^3 - 13y^4$	-1728		
$16x^4 - 9y^4$	-1728		
$-12x^4 - x^3y - xy^3 + 12y^4$	-1731		
$-12x^4 + x^3y + xy^3 + 12y^4$	-1731		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 72y^4$	-1731		
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 72y^4$	-1731		
$12x^4 - x^3y - xy^3 - 12y^4$	-1731		
$12x^4 + x^3y + xy^3 - 12y^4$	-1731		
$-14x^4 - 25x^3y - 9x^2y^2 - 13xy^3 + 5y^4$	-1734		
$-14x^4 + 25x^3y - 9x^2y^2 + 13xy^3 + 5y^4$	-1734		
$-6x^4 - x^3y - 2xy^3 + 24y^4$	-1734		
$-6x^4 + x^3y + 2xy^3 + 24y^4$	-1734		
$-5x^4 - 7x^3y + 18x^2y^2 + 62xy^3 + 56y^4$	-1734		
$-5x^4 + 7x^3y + 18x^2y^2 - 62xy^3 + 56y^4$	-1734		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$5x^4 - 7x^3y - 18x^2y^2 + 62xy^3 - 56y^4$	-1734		
$5x^4 + 7x^3y - 18x^2y^2 - 62xy^3 - 56y^4$	-1734		
$6x^4 - x^3y - 2xy^3 - 24y^4$	-1734		
$6x^4 + x^3y + 2xy^3 - 24y^4$	-1734		
$14x^4 - 25x^3y + 9x^2y^2 - 13xy^3 - 5y^4$	-1734		
$14x^4 + 25x^3y + 9x^2y^2 + 13xy^3 - 5y^4$	-1734		
$-16x^4 - 30x^3y - 21x^2y^2 - 5xy^3 + 9y^4$	-1737		
$-16x^4 + 30x^3y - 21x^2y^2 + 5xy^3 + 9y^4$	-1737		
$-12x^4 - 22x^3y + 9x^2y^2 + 51xy^3 + 36y^4$	-1737		
$-12x^4 + 22x^3y + 9x^2y^2 - 51xy^3 + 36y^4$	-1737		
$-9x^4 - 5x^3y + 21x^2y^2 - 30xy^3 + 16y^4$	-1737		
$-9x^4 + 5x^3y + 21x^2y^2 + 30xy^3 + 16y^4$	-1737		
$-7x^4 - 11x^3y + 27x^2y^2 - 34xy^3 + 16y^4$	-1737		
$-7x^4 + 11x^3y + 27x^2y^2 + 34xy^3 + 16y^4$	-1737		
$-4x^4 - x^3y - 3xy^3 + 36y^4$	-1737		
$-4x^4 - x^3y + 18x^2y^2 + 49xy^3 + 46y^4$	-1737		
$-4x^4 + x^3y + 3xy^3 + 36y^4$	-1737		
$-4x^4 + x^3y + 18x^2y^2 - 49xy^3 + 46y^4$	-1737		
$-3x^4 - x^3y + 24x^2y^2 - 63xy^3 + 59y^4$	-1737		(3, 2)
$-3x^4 + x^3y + 24x^2y^2 + 63xy^3 + 59y^4$	-1737		(3, -2)
$3x^4 - x^3y - 24x^2y^2 - 63xy^3 - 59y^4$	-1737	(3, -2)	
$3x^4 + x^3y - 24x^2y^2 + 63xy^3 - 59y^4$	-1737	(3, 2)	
$4x^4 - x^3y - 18x^2y^2 + 49xy^3 - 46y^4$	-1737		
$4x^4 - x^3y - 3xy^3 - 36y^4$	-1737		
$4x^4 + x^3y - 18x^2y^2 - 49xy^3 - 46y^4$	-1737		
$4x^4 + x^3y + 3xy^3 - 36y^4$	-1737		
$7x^4 - 11x^3y - 27x^2y^2 - 34xy^3 - 16y^4$	-1737		
$7x^4 + 11x^3y - 27x^2y^2 + 34xy^3 - 16y^4$	-1737		
$9x^4 - 5x^3y - 21x^2y^2 - 30xy^3 - 16y^4$	-1737		
$9x^4 + 5x^3y - 21x^2y^2 + 30xy^3 - 16y^4$	-1737		
$12x^4 - 22x^3y - 9x^2y^2 + 51xy^3 - 36y^4$	-1737		
$12x^4 + 22x^3y - 9x^2y^2 - 51xy^3 - 36y^4$	-1737		
$16x^4 - 30x^3y + 21x^2y^2 - 5xy^3 - 9y^4$	-1737		
$16x^4 + 30x^3y + 21x^2y^2 + 5xy^3 - 9y^4$	-1737		
$-16x^4 - 16x^3y - 6x^2y^2 - xy^3 + 9y^4$	-1740		
$-16x^4 + 16x^3y - 6x^2y^2 + xy^3 + 9y^4$	-1740		
$-13x^4 - 16x^3y + 6x^2y^2 + 28xy^3 + 20y^4$	-1740	(1, -1)	
$-13x^4 + 16x^3y + 6x^2y^2 - 28xy^3 + 20y^4$	-1740	(1, 1)	
$-11x^4 - 18x^3y + 6x^2y^2 + 38xy^3 + 29y^4$	-1740		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-11x^4 + 18x^3y + 6x^2y^2 - 38xy^3 + 29y^4$	-1740		
$-9x^4 - 16x^3y - 16xy^3 + 9y^4$	-1740		
$-9x^4 - x^3y + 6x^2y^2 - 16xy^3 + 16y^4$	-1740		
$-9x^4 + x^3y + 6x^2y^2 + 16xy^3 + 16y^4$	-1740		
$-9x^4 + 16x^3y + 16xy^3 + 9y^4$	-1740		
$-8x^4 - 4x^3y + 6x^2y^2 + 20xy^3 + 21y^4$	-1740		
$-8x^4 + 4x^3y + 6x^2y^2 - 20xy^3 + 21y^4$	-1740		
$-7x^4 - 4x^3y + 24x^2y^2 + 52xy^3 + 35y^4$	-1740		
$-7x^4 + 4x^3y + 24x^2y^2 - 52xy^3 + 35y^4$	-1740		
$-5x^4 - 6x^3y + 6x^2y^2 - 22xy^3 + 23y^4$	-1740		
$-5x^4 + 29y^4$	-1740		
$-5x^4 + 6x^3y + 6x^2y^2 + 22xy^3 + 23y^4$	-1740		
$-4x^4 - 4x^3y + 6x^2y^2 - 24xy^3 + 31y^4$	-1740		
$-4x^4 - 4x^3y + 42x^2y^2 - 80xy^3 + 53y^4$	-1740		
$-4x^4 + 30x^2y^2 - 70xy^3 + 55y^4$	-1740		
$-4x^4 + 30x^2y^2 + 70xy^3 + 55y^4$	-1740		
$-4x^4 + 4x^3y + 6x^2y^2 + 24xy^3 + 31y^4$	-1740		
$-4x^4 + 4x^3y + 42x^2y^2 + 80xy^3 + 53y^4$	-1740		
$-3x^4 - 4x^3y + 6x^2y^2 - 28xy^3 + 40y^4$	-1740		
$-3x^4 - x^3y - 4xy^3 + 48y^4$	-1740		
$-3x^4 + x^3y + 4xy^3 + 48y^4$	-1740		
$-3x^4 + 4x^3y + 6x^2y^2 + 28xy^3 + 40y^4$	-1740		
$-2x^4 - x^3y + 15x^2y^2 - 55xy^3 + 75y^4$	-1740		
$-2x^4 + x^3y + 15x^2y^2 + 55xy^3 + 75y^4$	-1740		
$-x^4 + 145y^4$	-1740		(1, 0)
$-x^4 + 30x^2y^2 - 140xy^3 + 220y^4$	-1740		(1, 0)
$-x^4 + 30x^2y^2 + 140xy^3 + 220y^4$	-1740		(1, 0)
$-x^4 + 174x^2y^2 - 1276xy^3 + 2668y^4$	-1740		(1, 0)
$-x^4 + 174x^2y^2 + 1276xy^3 + 2668y^4$	-1740		(1, 0)
$-x^4 + 216x^2y^2 - 1752xy^3 + 4033y^4$	-1740	(6, 1)	(1, 0)
$-x^4 + 216x^2y^2 + 1752xy^3 + 4033y^4$	-1740	(6, -1)	(1, 0)
$-x^4 + 2x^3y + 6x^2y^2 - 62xy^3 + 179y^4$	-1740		(1, 0)
$-x^4 + 2x^3y + 6x^2y^2 + 48xy^3 + 124y^4$	-1740		(1, 0)
$-x^4 + 2x^3y + 42x^2y^2 - 246xy^3 + 415y^4$	-1740		(1, 0)
$-x^4 + 2x^3y + 42x^2y^2 + 160xy^3 + 212y^4$	-1740		(1, 0)
$x^4 - 216x^2y^2 - 1752xy^3 - 4033y^4$	-1740	(1, 0)	(6, -1)
$x^4 - 216x^2y^2 + 1752xy^3 - 4033y^4$	-1740	(1, 0)	(6, 1)
$x^4 - 174x^2y^2 - 1276xy^3 - 2668y^4$	-1740	(1, 0)	
$x^4 - 174x^2y^2 + 1276xy^3 - 2668y^4$	-1740	(1, 0)	

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$x^4 - 30x^2y^2 - 140xy^3 - 220y^4$	-1740	(1, 0)	
$x^4 - 30x^2y^2 + 140xy^3 - 220y^4$	-1740	(1, 0)	
$x^4 - 145y^4$	-1740	(1, 0)	
$x^4 + 2x^3y - 42x^2y^2 - 246xy^3 - 415y^4$	-1740	(1, 0)	
$x^4 + 2x^3y - 42x^2y^2 + 160xy^3 - 212y^4$	-1740	(1, 0)	
$x^4 + 2x^3y - 6x^2y^2 - 62xy^3 - 179y^4$	-1740	(1, 0)	
$x^4 + 2x^3y - 6x^2y^2 + 48xy^3 - 124y^4$	-1740	(1, 0)	
$2x^4 - x^3y - 15x^2y^2 - 55xy^3 - 75y^4$	-1740		
$2x^4 + x^3y - 15x^2y^2 + 55xy^3 - 75y^4$	-1740		
$3x^4 - 4x^3y - 6x^2y^2 - 28xy^3 - 40y^4$	-1740		
$3x^4 - x^3y - 4xy^3 - 48y^4$	-1740		
$3x^4 + x^3y + 4xy^3 - 48y^4$	-1740		
$3x^4 + 4x^3y - 6x^2y^2 + 28xy^3 - 40y^4$	-1740		
$4x^4 - 4x^3y - 42x^2y^2 - 80xy^3 - 53y^4$	-1740		
$4x^4 - 4x^3y - 6x^2y^2 - 24xy^3 - 31y^4$	-1740		
$4x^4 - 30x^2y^2 - 70xy^3 - 55y^4$	-1740		
$4x^4 - 30x^2y^2 + 70xy^3 - 55y^4$	-1740		
$4x^4 + 4x^3y - 42x^2y^2 + 80xy^3 - 53y^4$	-1740		
$4x^4 + 4x^3y - 6x^2y^2 + 24xy^3 - 31y^4$	-1740		
$5x^4 - 6x^3y - 6x^2y^2 - 22xy^3 - 23y^4$	-1740		
$5x^4 - 29y^4$	-1740		
$5x^4 + 6x^3y - 6x^2y^2 + 22xy^3 - 23y^4$	-1740		
$7x^4 - 4x^3y - 24x^2y^2 + 52xy^3 - 35y^4$	-1740		
$7x^4 + 4x^3y - 24x^2y^2 - 52xy^3 - 35y^4$	-1740		
$8x^4 - 4x^3y - 6x^2y^2 + 20xy^3 - 21y^4$	-1740		
$8x^4 + 4x^3y - 6x^2y^2 - 20xy^3 - 21y^4$	-1740		
$9x^4 - 16x^3y - 16xy^3 - 9y^4$	-1740		
$9x^4 - x^3y - 6x^2y^2 - 16xy^3 - 16y^4$	-1740		
$9x^4 + x^3y - 6x^2y^2 + 16xy^3 - 16y^4$	-1740		
$9x^4 + 16x^3y + 16xy^3 - 9y^4$	-1740		
$11x^4 - 18x^3y - 6x^2y^2 + 38xy^3 - 29y^4$	-1740		
$11x^4 + 18x^3y - 6x^2y^2 - 38xy^3 - 29y^4$	-1740		
$13x^4 - 16x^3y - 6x^2y^2 + 28xy^3 - 20y^4$	-1740		(1, 1)
$13x^4 + 16x^3y - 6x^2y^2 - 28xy^3 - 20y^4$	-1740		(1, -1)
$16x^4 - 16x^3y + 6x^2y^2 - xy^3 - 9y^4$	-1740		
$16x^4 + 16x^3y + 6x^2y^2 + xy^3 - 9y^4$	-1740		
$-3x^4 - x^3y + 21x^2y^2 + 64xy^3 + 66y^4$	-1743		
$-3x^4 + x^3y + 21x^2y^2 - 64xy^3 + 66y^4$	-1743		
$3x^4 - x^3y - 21x^2y^2 + 64xy^3 - 66y^4$	-1743		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$3x^4 + x^3y - 21x^2y^2 - 64xy^3 - 66y^4$	-1743		
$-12x^4 - 14x^3y + 6x^2y^2 - 15xy^3 + 8y^4$	-1746		
$-12x^4 + 14x^3y + 6x^2y^2 + 15xy^3 + 8y^4$	-1746		
$-8x^4 - 15x^3y - 6x^2y^2 - 14xy^3 + 12y^4$	-1746		
$-8x^4 - 2x^3y - 3xy^3 + 18y^4$	-1746		
$-8x^4 + 2x^3y + 3xy^3 + 18y^4$	-1746		
$-8x^4 + 15x^3y - 6x^2y^2 + 14xy^3 + 12y^4$	-1746		
$-3x^4 - 5x^3y + 9x^2y^2 + 51xy^3 + 72y^4$	-1746		
$-3x^4 + 5x^3y + 9x^2y^2 - 51xy^3 + 72y^4$	-1746		
$-2x^4 - x^3y - 6xy^3 + 72y^4$	-1746		
$-2x^4 + x^3y + 6xy^3 + 72y^4$	-1746		
$2x^4 - x^3y - 6xy^3 - 72y^4$	-1746		
$2x^4 + x^3y + 6xy^3 - 72y^4$	-1746		
$3x^4 - 5x^3y - 9x^2y^2 + 51xy^3 - 72y^4$	-1746		
$3x^4 + 5x^3y - 9x^2y^2 - 51xy^3 - 72y^4$	-1746		
$8x^4 - 15x^3y + 6x^2y^2 - 14xy^3 - 12y^4$	-1746		
$8x^4 - 2x^3y - 3xy^3 - 18y^4$	-1746		
$8x^4 + 2x^3y + 3xy^3 - 18y^4$	-1746		
$8x^4 + 15x^3y + 6x^2y^2 + 14xy^3 - 12y^4$	-1746		
$12x^4 - 14x^3y - 6x^2y^2 - 15xy^3 - 8y^4$	-1746		
$12x^4 + 14x^3y - 6x^2y^2 + 15xy^3 - 8y^4$	-1746		
$-4x^4 - 2x^3y + 3x^2y^2 + 19xy^3 + 39y^4$	-1749		
$-4x^4 + 2x^3y + 3x^2y^2 - 19xy^3 + 39y^4$	-1749		
$-x^4 - x^3y + 3x^2y^2 + 38xy^3 + 156y^4$	-1749		(1, 0)
$-x^4 + x^3y + 3x^2y^2 - 38xy^3 + 156y^4$	-1749		(1, 0)
$x^4 - x^3y - 3x^2y^2 + 38xy^3 - 156y^4$	-1749	(1, 0)	
$x^4 + x^3y - 3x^2y^2 - 38xy^3 - 156y^4$	-1749	(1, 0)	
$4x^4 - 2x^3y - 3x^2y^2 + 19xy^3 - 39y^4$	-1749		
$4x^4 + 2x^3y - 3x^2y^2 - 19xy^3 - 39y^4$	-1749		
$-11x^4 - 18x^3y + 12x^2y^2 - 18xy^3 + 7y^4$	-1752		
$-11x^4 - 10x^3y - 10xy^3 + 11y^4$	-1752		
$-11x^4 + 10x^3y + 10xy^3 + 11y^4$	-1752		
$-11x^4 + 18x^3y + 12x^2y^2 + 18xy^3 + 7y^4$	-1752		
$-7x^4 - 10x^3y + 20xy^3 + 28y^4$	-1752		
$-7x^4 - 8x^3y + 12x^2y^2 + 40xy^3 + 34y^4$	-1752		
$-7x^4 - 8x^3y + 24x^2y^2 + 64xy^3 + 46y^4$	-1752		
$-7x^4 + 8x^3y + 12x^2y^2 - 40xy^3 + 34y^4$	-1752		
$-7x^4 + 8x^3y + 24x^2y^2 - 64xy^3 + 46y^4$	-1752		
$-7x^4 + 10x^3y - 20xy^3 + 28y^4$	-1752		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-6x^4 - 7x^3y + 30x^2y^2 - 44xy^3 + 24y^4$	-1752		
$-6x^4 + 7x^3y + 30x^2y^2 + 44xy^3 + 24y^4$	-1752		
$-5x^4 - 2x^3y + 36x^2y^2 - 68xy^3 + 44y^4$	-1752		
$-5x^4 + 2x^3y + 36x^2y^2 + 68xy^3 + 44y^4$	-1752		
$-3x^4 - 5x^3y + 75x^2y^2 - 175xy^3 + 132y^4$	-1752		
$-3x^4 - x^3y + 9x^2y^2 + 37xy^3 + 54y^4$	-1752		
$-3x^4 + x^3y + 9x^2y^2 - 37xy^3 + 54y^4$	-1752		
$-3x^4 + 5x^3y + 75x^2y^2 + 175xy^3 + 132y^4$	-1752		
$-2x^4 + 73y^4$	-1752		
$-x^4 + 146y^4$	-1752		(1, 0)
$-x^4 + 12x^2y^2 - 72xy^3 + 158y^4$	-1752		(1, 0)
$-x^4 + 12x^2y^2 + 72xy^3 + 158y^4$	-1752		(1, 0)
$-x^4 + 2x^3y + 108x^2y^2 - 766xy^3 + 1501y^4$	-1752		(1, 0)
$-x^4 + 2x^3y + 108x^2y^2 + 548xy^3 + 844y^4$	-1752		(1, 0)
$x^4 - 12x^2y^2 - 72xy^3 - 158y^4$	-1752	(1, 0)	
$x^4 - 12x^2y^2 + 72xy^3 - 158y^4$	-1752	(1, 0)	
$x^4 - 146y^4$	-1752	(1, 0)	
$x^4 + 2x^3y - 108x^2y^2 - 766xy^3 - 1501y^4$	-1752	(1, 0)	
$x^4 + 2x^3y - 108x^2y^2 + 548xy^3 - 844y^4$	-1752	(1, 0)	
$2x^4 - 73y^4$	-1752		
$3x^4 - 5x^3y - 75x^2y^2 - 175xy^3 - 132y^4$	-1752		
$3x^4 - x^3y - 9x^2y^2 + 37xy^3 - 54y^4$	-1752		
$3x^4 + x^3y - 9x^2y^2 - 37xy^3 - 54y^4$	-1752		
$3x^4 + 5x^3y - 75x^2y^2 + 175xy^3 - 132y^4$	-1752		
$5x^4 - 2x^3y - 36x^2y^2 - 68xy^3 - 44y^4$	-1752		
$5x^4 + 2x^3y - 36x^2y^2 + 68xy^3 - 44y^4$	-1752		
$6x^4 - 7x^3y - 30x^2y^2 - 44xy^3 - 24y^4$	-1752		
$6x^4 + 7x^3y - 30x^2y^2 + 44xy^3 - 24y^4$	-1752		
$7x^4 - 10x^3y + 20xy^3 - 28y^4$	-1752		
$7x^4 - 8x^3y - 24x^2y^2 + 64xy^3 - 46y^4$	-1752		
$7x^4 - 8x^3y - 12x^2y^2 + 40xy^3 - 34y^4$	-1752		
$7x^4 + 8x^3y - 24x^2y^2 - 64xy^3 - 46y^4$	-1752		
$7x^4 + 8x^3y - 12x^2y^2 - 40xy^3 - 34y^4$	-1752		
$7x^4 + 10x^3y - 20xy^3 - 28y^4$	-1752		
$11x^4 - 18x^3y - 12x^2y^2 - 18xy^3 - 7y^4$	-1752		
$11x^4 - 10x^3y - 10xy^3 - 11y^4$	-1752		
$11x^4 + 10x^3y + 10xy^3 - 11y^4$	-1752		
$11x^4 + 18x^3y - 12x^2y^2 + 18xy^3 - 7y^4$	-1752		
$-14x^4 - 5x^3y + 15x^2y^2 - 20xy^3 + 10y^4$	-1755		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-14x^4 + 5x^3y + 15x^2y^2 + 20xy^3 + 10y^4$	-1755		
$-10x^4 + 20x^3y - 15x^2y^2 + 5xy^3 + 14y^4$	-1755		
$-7x^4 - 9x^3y + 27x^2y^2 - 36xy^3 + 18y^4$	-1755		
$-7x^4 + 9x^3y + 27x^2y^2 + 36xy^3 + 18y^4$	-1755		
$-6x^4 - 4x^3y + 3x^2y^2 - 15xy^3 + 22y^4$	-1755		
$-6x^4 + 4x^3y + 3x^2y^2 + 15xy^3 + 22y^4$	-1755		
$-4x^4 - 3x^3y + 54x^2y^2 + 153xy^3 + 126y^4$	-1755		
$-4x^4 + 3x^3y + 54x^2y^2 - 153xy^3 + 126y^4$	-1755		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 73y^4$	-1755		
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 73y^4$	-1755		
$4x^4 - 3x^3y - 54x^2y^2 + 153xy^3 - 126y^4$	-1755		
$4x^4 + 3x^3y - 54x^2y^2 - 153xy^3 - 126y^4$	-1755		
$6x^4 - 4x^3y - 3x^2y^2 - 15xy^3 - 22y^4$	-1755		
$6x^4 + 4x^3y - 3x^2y^2 + 15xy^3 - 22y^4$	-1755		
$7x^4 - 9x^3y - 27x^2y^2 - 36xy^3 - 18y^4$	-1755		
$7x^4 + 9x^3y - 27x^2y^2 + 36xy^3 - 18y^4$	-1755		
$10x^4 + 20x^3y + 15x^2y^2 + 5xy^3 - 14y^4$	-1755		
$14x^4 - 5x^3y - 15x^2y^2 - 20xy^3 - 10y^4$	-1755		
$14x^4 + 5x^3y - 15x^2y^2 + 20xy^3 - 10y^4$	-1755		
$-16x^4 - 4x^3y - 3xy^3 + 9y^4$	-1764		
$-16x^4 + 4x^3y + 3xy^3 + 9y^4$	-1764		
$-9x^4 - 3x^3y - 4xy^3 + 16y^4$	-1764		
$-9x^4 + 3x^3y + 4xy^3 + 16y^4$	-1764		
$-6x^4 - 4x^3y + 6x^2y^2 + 24xy^3 + 29y^4$	-1764		
$-6x^4 + 4x^3y + 6x^2y^2 - 24xy^3 + 29y^4$	-1764		
$-5x^4 - 6x^3y + 54x^2y^2 - 90xy^3 + 51y^4$	-1764		
$-5x^4 + 6x^3y + 54x^2y^2 + 90xy^3 + 51y^4$	-1764		
$-4x^4 - 4x^3y + 30x^2y^2 - 58xy^3 + 41y^4$	-1764		
$-4x^4 + 4x^3y + 30x^2y^2 + 58xy^3 + 41y^4$	-1764		
$-3x^4 + 49y^4$	-1764	(2, 1) (2, -1)	
$-x^4 - x^3y - 12xy^3 + 144y^4$	-1764		(1, 0)
$-x^4 + 147y^4$	-1764		(1, 0)
$-x^4 + 42x^2y^2 - 196xy^3 + 294y^4$	-1764		(1, 0)
$-x^4 + 42x^2y^2 + 196xy^3 + 294y^4$	-1764		(1, 0)
$-x^4 + x^3y + 12xy^3 + 144y^4$	-1764		(1, 0)
$-x^4 + 2x^3y + 30x^2y^2 - 178xy^3 + 311y^4$	-1764		(1, 0)
$-x^4 + 2x^3y + 30x^2y^2 + 116xy^3 + 164y^4$	-1764		(1, 0)
$x^4 - x^3y - 12xy^3 - 144y^4$	-1764		(1, 0)
$x^4 - 42x^2y^2 - 196xy^3 - 294y^4$	-1764		(1, 0)

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$x^4 - 42x^2y^2 + 196xy^3 - 294y^4$	-1764	(1, 0)	(2, 1) (2, -1)
$x^4 - 147y^4$	-1764	(1, 0)	
$x^4 + x^3y + 12xy^3 - 144y^4$	-1764	(1, 0)	
$x^4 + 2x^3y - 30x^2y^2 - 178xy^3 - 311y^4$	-1764	(1, 0)	
$x^4 + 2x^3y - 30x^2y^2 + 116xy^3 - 164y^4$	-1764	(1, 0)	
$3x^4 - 49y^4$	-1764		
$4x^4 - 4x^3y - 30x^2y^2 - 58xy^3 - 41y^4$	-1764		
$4x^4 + 4x^3y - 30x^2y^2 + 58xy^3 - 41y^4$	-1764		
$5x^4 - 6x^3y - 54x^2y^2 - 90xy^3 - 51y^4$	-1764		
$5x^4 + 6x^3y - 54x^2y^2 + 90xy^3 - 51y^4$	-1764		
$6x^4 - 4x^3y - 6x^2y^2 + 24xy^3 - 29y^4$	-1764		
$6x^4 + 4x^3y - 6x^2y^2 - 24xy^3 - 29y^4$	-1764		
$9x^4 - 3x^3y - 4xy^3 - 16y^4$	-1764		
$9x^4 + 3x^3y + 4xy^3 - 16y^4$	-1764		
$16x^4 - 4x^3y - 3xy^3 - 9y^4$	-1764		
$16x^4 + 4x^3y + 3xy^3 - 9y^4$	-1764		
$-6x^4 - 11x^3y - 6x^2y^2 - 11xy^3 + 20y^4$	-1767		
$-6x^4 + 11x^3y - 6x^2y^2 + 11xy^3 + 20y^4$	-1767		
$6x^4 - 11x^3y + 6x^2y^2 - 11xy^3 - 20y^4$	-1767		
$6x^4 + 11x^3y + 6x^2y^2 + 11xy^3 - 20y^4$	-1767		
$-4x^4 + 37y^4$	-1776		
$-3x^4 - 2x^3y - 8xy^3 + 48y^4$	-1776		
$-3x^4 + 2x^3y + 8xy^3 + 48y^4$	-1776		
$-x^4 + 148y^4$	-1776		
$x^4 - 148y^4$	-1776	(1, 0)	(1, 0)
$3x^4 - 2x^3y - 8xy^3 - 48y^4$	-1776		
$3x^4 + 2x^3y + 8xy^3 - 48y^4$	-1776		
$4x^4 - 37y^4$	-1776		
$-4x^4 - 7x^3y + 45x^2y^2 - 76xy^3 + 46y^4$	-1779		
$-4x^4 + 7x^3y + 45x^2y^2 + 76xy^3 + 46y^4$	-1779		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 74y^4$	-1779		
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 74y^4$	-1779		
$4x^4 - 7x^3y - 45x^2y^2 - 76xy^3 - 46y^4$	-1779		
$4x^4 + 7x^3y - 45x^2y^2 + 76xy^3 - 46y^4$	-1779		
$-4x^4 - 3x^3y + 15x^2y^2 + 49xy^3 + 51y^4$	-1782		
$-4x^4 + 3x^3y + 15x^2y^2 - 49xy^3 + 51y^4$	-1782		
$-x^4 - x^3y + 108x^2y^2 - 594xy^3 + 972y^4$	-1782		(1, 0)
$-x^4 + x^3y + 108x^2y^2 + 594xy^3 + 972y^4$	-1782		(1, 0)
$x^4 - x^3y - 108x^2y^2 - 594xy^3 - 972y^4$	-1782	(1, 0)	

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$x^4 + x^3y - 108x^2y^2 + 594xy^3 - 972y^4$	-1782	(1, 0)	(1, 0)
$4x^4 - 3x^3y - 15x^2y^2 + 49xy^3 - 51y^4$	-1782		
$4x^4 + 3x^3y - 15x^2y^2 - 49xy^3 - 51y^4$	-1782		
$-13x^4 - 9x^3y + 9xy^3 + 13y^4$	-1785		
$-13x^4 + 9x^3y - 9xy^3 + 13y^4$	-1785		
$13x^4 - 9x^3y + 9xy^3 - 13y^4$	-1785		
$13x^4 + 9x^3y - 9xy^3 - 13y^4$	-1785		
$-7x^4 - 8x^3y + 18x^2y^2 + 52xy^3 + 40y^4$	-1788		
$-7x^4 + 8x^3y + 18x^2y^2 - 52xy^3 + 40y^4$	-1788		
$-4x^4 + 8x^3y - 6x^2y^2 + 2xy^3 + 37y^4$	-1788		
$-x^4 + 149y^4$	-1788	(1, 0)	(1, 0)
$x^4 - 149y^4$	-1788		
$4x^4 + 8x^3y + 6x^2y^2 + 2xy^3 - 37y^4$	-1788		
$7x^4 - 8x^3y - 18x^2y^2 + 52xy^3 - 40y^4$	-1788		
$7x^4 + 8x^3y - 18x^2y^2 - 52xy^3 - 40y^4$	-1788		
$-15x^4 - 19x^3y - 6x^2y^2 + 9xy^3 + 13y^4$	-1791		
$-15x^4 + 19x^3y - 6x^2y^2 - 9xy^3 + 13y^4$	-1791		
$-13x^4 - 9x^3y + 6x^2y^2 + 19xy^3 + 15y^4$	-1791		
$-13x^4 + 9x^3y + 6x^2y^2 - 19xy^3 + 15y^4$	-1791		
$-2x^4 + 147x^2y^2 - 707xy^3 + 975y^4$	-1791		
$-2x^4 + 147x^2y^2 + 707xy^3 + 975y^4$	-1791	(1, 0)	(1, 0)
$2x^4 - 147x^2y^2 - 707xy^3 - 975y^4$	-1791		
$2x^4 - 147x^2y^2 + 707xy^3 - 975y^4$	-1791		
$13x^4 - 9x^3y - 6x^2y^2 + 19xy^3 - 15y^4$	-1791		
$13x^4 + 9x^3y - 6x^2y^2 - 19xy^3 - 15y^4$	-1791		
$15x^4 - 19x^3y + 6x^2y^2 + 9xy^3 - 13y^4$	-1791		
$15x^4 + 19x^3y + 6x^2y^2 - 9xy^3 - 13y^4$	-1791		
$-15x^4 - 29x^3y - 12x^2y^2 - 14xy^3 + 4y^4$	-1794		
$-15x^4 + 29x^3y - 12x^2y^2 + 14xy^3 + 4y^4$	-1794		
$-4x^4 - 2x^3y + 30x^2y^2 + 79xy^3 + 66y^4$	-1794		
$-4x^4 + 2x^3y + 30x^2y^2 - 79xy^3 + 66y^4$	-1794	(1, 0)	(1, 0)
$-x^4 - x^3y + 30x^2y^2 + 158xy^3 + 264y^4$	-1794		
$-x^4 + x^3y + 30x^2y^2 - 158xy^3 + 264y^4$	-1794		
$x^4 - x^3y - 30x^2y^2 + 158xy^3 - 264y^4$	-1794		
$x^4 + x^3y - 30x^2y^2 - 158xy^3 - 264y^4$	-1794		
$4x^4 - 2x^3y - 30x^2y^2 + 79xy^3 - 66y^4$	-1794		
$4x^4 + 2x^3y - 30x^2y^2 - 79xy^3 - 66y^4$	-1794		
$15x^4 - 29x^3y + 12x^2y^2 - 14xy^3 - 4y^4$	-1794		
$15x^4 + 29x^3y + 12x^2y^2 + 14xy^3 - 4y^4$	-1794		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-8x^4 - 12x^3y - 6x^2y^2 + 5xy^3 + 21y^4$	-1800		
$-8x^4 - 4x^3y + 18x^2y^2 + 39xy^3 + 27y^4$	-1800		
$-8x^4 + 4x^3y + 18x^2y^2 - 39xy^3 + 27y^4$	-1800		
$-8x^4 + 12x^3y - 6x^2y^2 - 5xy^3 + 21y^4$	-1800		
$-6x^4 + 25y^4$	-1800		
$-5x^4 - 7x^3y + 36x^2y^2 - 56xy^3 + 32y^4$	-1800		
$-5x^4 + 7x^3y + 36x^2y^2 + 56xy^3 + 32y^4$	-1800		
$-4x^4 - 4x^3y + 36x^2y^2 + 106xy^3 + 91y^4$	-1800		
$-4x^4 + 4x^3y + 36x^2y^2 - 106xy^3 + 91y^4$	-1800		
$-3x^4 - x^3y + 3x^2y^2 + 21xy^3 + 52y^4$	-1800		
$-3x^4 + 50y^4$	-1800		
$-3x^4 + x^3y + 3x^2y^2 - 21xy^3 + 52y^4$	-1800		
$-2x^4 - x^3y + 117x^2y^2 + 541xy^3 + 713y^4$	-1800		
$-2x^4 + 75y^4$	-1800		
$-2x^4 + 72x^2y^2 - 264xy^3 + 291y^4$	-1800		
$-2x^4 + 72x^2y^2 + 264xy^3 + 291y^4$	-1800		
$-2x^4 + x^3y + 117x^2y^2 - 541xy^3 + 713y^4$	-1800		
$-x^4 + 150y^4$	-1800		$(7, 2) (7, -2) (1, 0)$
$-x^4 + 36x^2y^2 - 168xy^3 + 258y^4$	-1800		$(1, 0)$
$-x^4 + 36x^2y^2 + 168xy^3 + 258y^4$	-1800		$(1, 0)$
$-x^4 + 2x^3y + 36x^2y^2 - 212xy^3 + 364y^4$	-1800		$(1, 0)$
$-x^4 + 2x^3y + 36x^2y^2 + 138xy^3 + 189y^4$	-1800		$(1, 0)$
$x^4 - 36x^2y^2 - 168xy^3 - 258y^4$	-1800	$(1, 0)$	
$x^4 - 36x^2y^2 + 168xy^3 - 258y^4$	-1800	$(1, 0)$	
$x^4 - 150y^4$	-1800	$(7, 2) (7, -2) (1, 0)$	
$x^4 + 2x^3y - 36x^2y^2 - 212xy^3 - 364y^4$	-1800	$(1, 0)$	
$x^4 + 2x^3y - 36x^2y^2 + 138xy^3 - 189y^4$	-1800	$(1, 0)$	
$2x^4 - x^3y - 117x^2y^2 + 541xy^3 - 713y^4$	-1800		
$2x^4 - 72x^2y^2 - 264xy^3 - 291y^4$	-1800		
$2x^4 - 72x^2y^2 + 264xy^3 - 291y^4$	-1800		
$2x^4 - 75y^4$	-1800		
$2x^4 + x^3y - 117x^2y^2 - 541xy^3 - 713y^4$	-1800		
$3x^4 - x^3y - 3x^2y^2 + 21xy^3 - 52y^4$	-1800		
$3x^4 - 50y^4$	-1800		
$3x^4 + x^3y - 3x^2y^2 - 21xy^3 - 52y^4$	-1800		
$4x^4 - 4x^3y - 36x^2y^2 + 106xy^3 - 91y^4$	-1800		
$4x^4 + 4x^3y - 36x^2y^2 - 106xy^3 - 91y^4$	-1800		
$5x^4 - 7x^3y - 36x^2y^2 - 56xy^3 - 32y^4$	-1800		
$5x^4 + 7x^3y - 36x^2y^2 + 56xy^3 - 32y^4$	-1800		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$6x^4 - 25y^4$	-1800	(1, 0)	(1, 0)
$8x^4 - 12x^3y + 6x^2y^2 + 5xy^3 - 21y^4$	-1800		
$8x^4 - 4x^3y - 18x^2y^2 + 39xy^3 - 27y^4$	-1800		
$8x^4 + 4x^3y - 18x^2y^2 - 39xy^3 - 27y^4$	-1800		
$8x^4 + 12x^3y + 6x^2y^2 - 5xy^3 - 21y^4$	-1800		
$-12x^4 - 5x^3y - 5xy^3 + 12y^4$	-1803		
$-12x^4 + 5x^3y + 5xy^3 + 12y^4$	-1803		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 75y^4$	-1803		
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 75y^4$	-1803		
$12x^4 - 5x^3y - 5xy^3 - 12y^4$	-1803		
$12x^4 + 5x^3y + 5xy^3 - 12y^4$	-1803		
$-7x^4 - 13x^3y - 9x^2y^2 - xy^3 + 22y^4$	-1806		
$-7x^4 + 13x^3y - 9x^2y^2 + xy^3 + 22y^4$	-1806		
$-5x^4 - 3x^3y + 12x^2y^2 - 30xy^3 + 28y^4$	-1806		
$-5x^4 + 3x^3y + 12x^2y^2 + 30xy^3 + 28y^4$	-1806		
$5x^4 - 3x^3y - 12x^2y^2 - 30xy^3 - 28y^4$	-1806		
$5x^4 + 3x^3y - 12x^2y^2 + 30xy^3 - 28y^4$	-1806		
$7x^4 - 13x^3y + 9x^2y^2 - xy^3 - 22y^4$	-1806		
$7x^4 + 13x^3y + 9x^2y^2 + xy^3 - 22y^4$	-1806		
$-16x^4 - 26x^3y - 15x^2y^2 + xy^3 + 11y^4$	-1809		
$-16x^4 + 26x^3y - 15x^2y^2 - xy^3 + 11y^4$	-1809		
$-11x^4 - x^3y + 15x^2y^2 + 26xy^3 + 16y^4$	-1809		
$-11x^4 + x^3y + 15x^2y^2 - 26xy^3 + 16y^4$	-1809		
$-5x^4 - 3x^3y + 54x^2y^2 + 135xy^3 + 99y^4$	-1809		
$-5x^4 + 3x^3y + 54x^2y^2 - 135xy^3 + 99y^4$	-1809		
$-4x^4 - 3x^3y - 9xy^3 + 36y^4$	-1809		
$-4x^4 + 3x^3y + 9xy^3 + 36y^4$	-1809		
$4x^4 - 3x^3y - 9xy^3 - 36y^4$	-1809		
$4x^4 + 3x^3y + 9xy^3 - 36y^4$	-1809		
$5x^4 - 3x^3y - 54x^2y^2 + 135xy^3 - 99y^4$	-1809		
$5x^4 + 3x^3y - 54x^2y^2 - 135xy^3 - 99y^4$	-1809		
$11x^4 - x^3y - 15x^2y^2 + 26xy^3 - 16y^4$	-1809		
$11x^4 + x^3y - 15x^2y^2 - 26xy^3 - 16y^4$	-1809		
$16x^4 - 26x^3y + 15x^2y^2 + xy^3 - 11y^4$	-1809		
$16x^4 + 26x^3y + 15x^2y^2 - xy^3 - 11y^4$	-1809		
$-x^4 + 151y^4$	-1812		
$x^4 - 151y^4$	-1812		
$-13x^4 - 7x^3y + 9x^2y^2 - 16xy^3 + 10y^4$	-1815		
$-13x^4 + 7x^3y + 9x^2y^2 + 16xy^3 + 10y^4$	-1815		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-10x^4 - 16x^3y - 9x^2y^2 - 7xy^3 + 13y^4$	-1815	(1, 0)	(1, 0)
$-10x^4 + 16x^3y - 9x^2y^2 + 7xy^3 + 13y^4$	-1815		
$-3x^4 - 5x^3y + 12x^2y^2 - 37xy^3 + 39y^4$	-1815		
$-3x^4 + 5x^3y + 12x^2y^2 + 37xy^3 + 39y^4$	-1815		
$-2x^4 - 3x^3y + 21x^2y^2 + 96xy^3 + 130y^4$	-1815		
$-2x^4 + 3x^3y + 21x^2y^2 - 96xy^3 + 130y^4$	-1815		
$2x^4 - 3x^3y - 21x^2y^2 + 96xy^3 - 130y^4$	-1815		
$2x^4 + 3x^3y - 21x^2y^2 - 96xy^3 - 130y^4$	-1815		
$3x^4 - 5x^3y - 12x^2y^2 - 37xy^3 - 39y^4$	-1815		
$3x^4 + 5x^3y - 12x^2y^2 + 37xy^3 - 39y^4$	-1815		
$10x^4 - 16x^3y + 9x^2y^2 - 7xy^3 - 13y^4$	-1815		
$10x^4 + 16x^3y + 9x^2y^2 + 7xy^3 - 13y^4$	-1815		
$13x^4 - 7x^3y - 9x^2y^2 - 16xy^3 - 10y^4$	-1815		
$13x^4 + 7x^3y - 9x^2y^2 + 16xy^3 - 10y^4$	-1815		
$-8x^4 + 19y^4$	-1824		
$-x^4 + 152y^4$	-1824		
$x^4 - 152y^4$	-1824		
$8x^4 - 19y^4$	-1824		
$-14x^4 + 28x^3y - 21x^2y^2 + 7xy^3 + 10y^4$	-1827		
$-10x^4 - 7x^3y + 21x^2y^2 - 28xy^3 + 14y^4$	-1827		
$-10x^4 + 7x^3y + 21x^2y^2 + 28xy^3 + 14y^4$	-1827		
$-6x^4 + 12x^3y - 9x^2y^2 + 3xy^3 + 25y^4$	-1827		
$-4x^4 - 3x^3y + 33x^2y^2 + 92xy^3 + 78y^4$	-1827		
$-4x^4 + 3x^3y + 33x^2y^2 - 92xy^3 + 78y^4$	-1827		
$-2x^4 - 3x^3y + 3x^2y^2 - 28xy^3 + 66y^4$	-1827		
$-2x^4 + 3x^3y + 3x^2y^2 + 28xy^3 + 66y^4$	-1827		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 76y^4$	-1827		
$-x^4 - x^3y + 228x^2y^2 - 1789xy^3 + 4037y^4$	-1827		
$-x^4 + x^3y + 228x^2y^2 + 1789xy^3 + 4037y^4$	-1827		
$x^4 - x^3y - 228x^2y^2 - 1789xy^3 - 4037y^4$	-1827		
$x^4 + x^3y - 228x^2y^2 + 1789xy^3 - 4037y^4$	-1827		
$2x^4 - 3x^3y - 3x^2y^2 - 28xy^3 - 66y^4$	-1827		
$2x^4 + 3x^3y - 3x^2y^2 + 28xy^3 - 66y^4$	-1827		
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 76y^4$	-1827		
$4x^4 - 3x^3y - 33x^2y^2 + 92xy^3 - 78y^4$	-1827		
$4x^4 + 3x^3y - 33x^2y^2 - 92xy^3 - 78y^4$	-1827		
$6x^4 + 12x^3y + 9x^2y^2 + 3xy^3 - 25y^4$	-1827		
$10x^4 - 7x^3y - 21x^2y^2 - 28xy^3 - 14y^4$	-1827		
$10x^4 + 7x^3y - 21x^2y^2 + 28xy^3 - 14y^4$	-1827		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$14x^4 + 28x^3y + 21x^2y^2 + 7xy^3 - 10y^4$	-1827	(1, 0)	(1, 0)
$-15x^4 - 17x^3y + 17xy^3 + 15y^4$	-1833		
$-15x^4 + 17x^3y - 17xy^3 + 15y^4$	-1833		
$15x^4 - 17x^3y + 17xy^3 - 15y^4$	-1833		
$15x^4 + 17x^3y - 17xy^3 - 15y^4$	-1833		
$-13x^4 - 8x^3y + 8xy^3 + 13y^4$	-1836		
$-13x^4 + 8x^3y - 8xy^3 + 13y^4$	-1836		
$-9x^4 + 17y^4$	-1836		
$-7x^4 - x^3y + 9x^2y^2 - 23xy^3 + 22y^4$	-1836		
$-7x^4 + x^3y + 9x^2y^2 + 23xy^3 + 22y^4$	-1836		
$-3x^4 - 4x^3y + 30x^2y^2 + 108xy^3 + 112y^4$	-1836		
$-3x^4 + 4x^3y + 30x^2y^2 - 108xy^3 + 112y^4$	-1836		
$-x^4 + 153y^4$	-1836		
$x^4 - 153y^4$	-1836		
$3x^4 - 4x^3y - 30x^2y^2 + 108xy^3 - 112y^4$	-1836		
$3x^4 + 4x^3y - 30x^2y^2 - 108xy^3 - 112y^4$	-1836		
$7x^4 - x^3y - 9x^2y^2 - 23xy^3 - 22y^4$	-1836		
$7x^4 + x^3y - 9x^2y^2 + 23xy^3 - 22y^4$	-1836		
$9x^4 - 17y^4$	-1836		
$13x^4 - 8x^3y + 8xy^3 - 13y^4$	-1836		
$13x^4 + 8x^3y - 8xy^3 - 13y^4$	-1836		
$-9x^4 - 17x^3y - 17xy^3 + 9y^4$	-1839		
$-9x^4 + 17x^3y + 17xy^3 + 9y^4$	-1839		
$9x^4 - 17x^3y - 17xy^3 - 9y^4$	-1839		
$9x^4 + 17x^3y + 17xy^3 - 9y^4$	-1839		
$-14x^4 - 13x^3y + 13xy^3 + 14y^4$	-1845		
$-14x^4 + 13x^3y - 13xy^3 + 14y^4$	-1845		
$14x^4 - 13x^3y + 13xy^3 - 14y^4$	-1845		
$14x^4 + 13x^3y - 13xy^3 - 14y^4$	-1845		
$-14x^4 + 11y^4$	-1848		
$-11x^4 + 14y^4$	-1848		
$-7x^4 - 11x^3y - 6x^2y^2 + 4xy^3 + 24y^4$	-1848		
$-7x^4 + 22y^4$	-1848		
$-7x^4 + 11x^3y - 6x^2y^2 - 4xy^3 + 24y^4$	-1848		
$-3x^4 - x^3y + 36x^2y^2 + 104xy^3 + 96y^4$	-1848		
$-3x^4 + x^3y + 36x^2y^2 - 104xy^3 + 96y^4$	-1848		
$-2x^4 + 77y^4$	-1848		
$-x^4 + 154y^4$	-1848		
$x^4 - 154y^4$	-1848	(1, 0)	(1, 0)

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$2x^4 - 77y^4$	-1848		
$3x^4 - x^3y - 36x^2y^2 + 104xy^3 - 96y^4$	-1848		
$3x^4 + x^3y - 36x^2y^2 - 104xy^3 - 96y^4$	-1848		
$7x^4 - 11x^3y + 6x^2y^2 + 4xy^3 - 24y^4$	-1848		
$7x^4 - 22y^4$	-1848		
$7x^4 + 11x^3y + 6x^2y^2 - 4xy^3 - 24y^4$	-1848		
$11x^4 - 14y^4$	-1848		
$14x^4 - 11y^4$	-1848		
$-8x^4 - 13x^3y + 9x^2y^2 + 44xy^3 + 38y^4$	-1851		
$-8x^4 + 13x^3y + 9x^2y^2 - 44xy^3 + 38y^4$	-1851		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 77y^4$	-1851		(3, 1) (2, -1)
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 77y^4$	-1851	(3, -1) (2, 1)	
$8x^4 - 13x^3y - 9x^2y^2 + 44xy^3 - 38y^4$	-1851		
$8x^4 + 13x^3y - 9x^2y^2 - 44xy^3 - 38y^4$	-1851		
$-11x^4 - 12x^3y + 12x^2y^2 + 36xy^3 + 25y^4$	-1860		
$-11x^4 + 12x^3y + 12x^2y^2 - 36xy^3 + 25y^4$	-1860		
$-9x^4 - 8x^3y + 18x^2y^2 + 44xy^3 + 30y^4$	-1860		
$-9x^4 + 8x^3y + 18x^2y^2 - 44xy^3 + 30y^4$	-1860		
$-5x^4 + 31y^4$	-1860		
$-4x^4 - 4x^3y + 66x^2y^2 + 206xy^3 + 181y^4$	-1860	(2, -1)	
$-4x^4 + 4x^3y + 66x^2y^2 - 206xy^3 + 181y^4$	-1860	(2, 1)	
$-3x^4 - 4x^3y + 60x^2y^2 + 220xy^3 + 225y^4$	-1860		
$-3x^4 + 4x^3y + 60x^2y^2 - 220xy^3 + 225y^4$	-1860		
$-2x^4 - x^3y + 54x^2y^2 + 200xy^3 + 224y^4$	-1860		
$-2x^4 + x^3y + 54x^2y^2 - 200xy^3 + 224y^4$	-1860		
$-2x^4 + 4x^3y + 90x^2y^2 - 464xy^3 + 647y^4$	-1860		
$-2x^4 + 4x^3y + 90x^2y^2 + 280xy^3 + 275y^4$	-1860		
$-x^4 - x^3y + 18x^2y^2 - 88xy^3 + 160y^4$	-1860		(1, 0)
$-x^4 + 155y^4$	-1860		(1, 0)
$-x^4 + x^3y + 18x^2y^2 + 88xy^3 + 160y^4$	-1860		(1, 0)
$-x^4 + 2x^3y + 66x^2y^2 - 412xy^3 + 724y^4$	-1860		(1, 0)
$-x^4 + 2x^3y + 66x^2y^2 + 278xy^3 + 379y^4$	-1860		(1, 0)
$-x^4 + 2x^3y + 186x^2y^2 - 1612xy^3 + 3844y^4$	-1860		(1, 0)
$-x^4 + 2x^3y + 186x^2y^2 + 1238xy^3 + 2419y^4$	-1860		(1, 0)
$x^4 - x^3y - 18x^2y^2 - 88xy^3 - 160y^4$	-1860	(1, 0)	
$x^4 - 155y^4$	-1860	(1, 0)	
$x^4 + x^3y - 18x^2y^2 + 88xy^3 - 160y^4$	-1860	(1, 0)	
$x^4 + 2x^3y - 186x^2y^2 - 1612xy^3 - 3844y^4$	-1860	(1, 0)	
$x^4 + 2x^3y - 186x^2y^2 + 1238xy^3 - 2419y^4$	-1860	(1, 0)	

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$x^4 + 2x^3y - 66x^2y^2 - 412xy^3 - 724y^4$	-1860	(1, 0)	
$x^4 + 2x^3y - 66x^2y^2 + 278xy^3 - 379y^4$	-1860	(1, 0)	
$2x^4 - x^3y - 54x^2y^2 + 200xy^3 - 224y^4$	-1860		
$2x^4 + x^3y - 54x^2y^2 - 200xy^3 - 224y^4$	-1860		
$2x^4 + 4x^3y - 90x^2y^2 - 464xy^3 - 647y^4$	-1860		
$2x^4 + 4x^3y - 90x^2y^2 + 280xy^3 - 275y^4$	-1860		
$3x^4 - 4x^3y - 60x^2y^2 + 220xy^3 - 225y^4$	-1860		
$3x^4 + 4x^3y - 60x^2y^2 - 220xy^3 - 225y^4$	-1860		
$4x^4 - 4x^3y - 66x^2y^2 + 206xy^3 - 181y^4$	-1860		(2, 1)
$4x^4 + 4x^3y - 66x^2y^2 - 206xy^3 - 181y^4$	-1860		(2, -1)
$5x^4 - 31y^4$	-1860		
$9x^4 - 8x^3y - 18x^2y^2 + 44xy^3 - 30y^4$	-1860		
$9x^4 + 8x^3y - 18x^2y^2 - 44xy^3 - 30y^4$	-1860		
$11x^4 - 12x^3y - 12x^2y^2 + 36xy^3 - 25y^4$	-1860		
$11x^4 + 12x^3y - 12x^2y^2 - 36xy^3 - 25y^4$	-1860		
$-2x^4 + 3x^2y^2 - 25xy^3 + 78y^4$	-1863		
$-2x^4 + 3x^2y^2 + 25xy^3 + 78y^4$	-1863		
$2x^4 - 3x^2y^2 - 25xy^3 - 78y^4$	-1863		
$2x^4 - 3x^2y^2 + 25xy^3 - 78y^4$	-1863		
$-7x^4 - 9x^3y + 18xy^3 + 28y^4$	-1866		
$-7x^4 + 9x^3y - 18xy^3 + 28y^4$	-1866		
$7x^4 - 9x^3y + 18xy^3 - 28y^4$	-1866		
$7x^4 + 9x^3y - 18xy^3 - 28y^4$	-1866		
$-16x^4 - 8x^3y - 6xy^3 + 9y^4$	-1872		
$-16x^4 + 8x^3y + 6xy^3 + 9y^4$	-1872		
$-13x^4 + 12y^4$	-1872		(1, 1) (1, -1)
$-12x^4 + 13y^4$	-1872	(1, 1) (1, -1)	
$-9x^4 - 8x^3y + 6x^2y^2 + 24xy^3 + 23y^4$	-1872		(3, 2)
$-9x^4 - 6x^3y - 8xy^3 + 16y^4$	-1872		
$-9x^4 - 3x^3y + 9x^2y^2 + 23xy^3 + 20y^4$	-1872		
$-9x^4 + 3x^3y + 9x^2y^2 - 23xy^3 + 20y^4$	-1872		
$-9x^4 + 6x^3y + 8xy^3 + 16y^4$	-1872		
$-9x^4 + 8x^3y + 6x^2y^2 - 24xy^3 + 23y^4$	-1872		(3, -2)
$-8x^4 + 36x^2y^2 - 60xy^3 + 33y^4$	-1872	(1, 1)	
$-8x^4 + 36x^2y^2 + 60xy^3 + 33y^4$	-1872	(1, -1)	
$-8x^4 + 16x^3y - 12x^2y^2 + 4xy^3 + 19y^4$	-1872		
$-5x^4 - 8x^3y + 42x^2y^2 + 136xy^3 + 115y^4$	-1872		
$-5x^4 + 8x^3y + 42x^2y^2 - 136xy^3 + 115y^4$	-1872		
$-4x^4 + 39y^4$	-1872		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-4x^4 + 8x^3y + 72x^2y^2 - 284xy^3 + 289y^4$	-1872	(12, 5)	
$-4x^4 + 8x^3y + 72x^2y^2 + 132xy^3 + 81y^4$	-1872	(7, -5)	
$-3x^4 - 2x^3y + 12x^2y^2 + 48xy^3 + 64y^4$	-1872		
$-3x^4 + 52y^4$	-1872		
$-3x^4 + 2x^3y + 12x^2y^2 - 48xy^3 + 64y^4$	-1872		
$-x^4 - x^3y + 9x^2y^2 + 69xy^3 + 180y^4$	-1872		(1, 0)
$-x^4 + 156y^4$	-1872		(1, 0)
$-x^4 + 18x^2y^2 - 96xy^3 + 183y^4$	-1872		(1, 0)
$-x^4 + 18x^2y^2 + 96xy^3 + 183y^4$	-1872		(1, 0)
$-x^4 + 78x^2y^2 - 416xy^3 + 663y^4$	-1872		(1, 0)
$-x^4 + 78x^2y^2 + 416xy^3 + 663y^4$	-1872		(1, 0)
$-x^4 + 162x^2y^2 - 1152xy^3 + 2343y^4$	-1872		(1, 0)
$-x^4 + 162x^2y^2 + 1152xy^3 + 2343y^4$	-1872		(1, 0)
$-x^4 + x^3y + 9x^2y^2 - 69xy^3 + 180y^4$	-1872		(1, 0)
$-x^4 + 2x^3y - 26xy^3 + 169y^4$	-1872		(1, 0)
$-x^4 + 2x^3y + 24xy^3 + 144y^4$	-1872		(1, 0)
$-x^4 + 2x^3y + 72x^2y^2 - 458xy^3 + 817y^4$	-1872		(1, 0)
$-x^4 + 2x^3y + 72x^2y^2 + 312xy^3 + 432y^4$	-1872		(1, 0)
$x^4 - x^3y - 9x^2y^2 + 69xy^3 - 180y^4$	-1872	(1, 0)	
$x^4 - 162x^2y^2 - 1152xy^3 - 2343y^4$	-1872	(1, 0)	
$x^4 - 162x^2y^2 + 1152xy^3 - 2343y^4$	-1872	(1, 0)	
$x^4 - 78x^2y^2 - 416xy^3 - 663y^4$	-1872	(1, 0)	
$x^4 - 78x^2y^2 + 416xy^3 - 663y^4$	-1872	(1, 0)	
$x^4 - 18x^2y^2 - 96xy^3 - 183y^4$	-1872	(1, 0)	
$x^4 - 18x^2y^2 + 96xy^3 - 183y^4$	-1872	(1, 0)	
$x^4 - 156y^4$	-1872	(1, 0)	
$x^4 + x^3y - 9x^2y^2 - 69xy^3 - 180y^4$	-1872	(1, 0)	
$x^4 + 2x^3y - 72x^2y^2 - 458xy^3 - 817y^4$	-1872	(1, 0)	
$x^4 + 2x^3y - 72x^2y^2 + 312xy^3 - 432y^4$	-1872	(1, 0)	
$x^4 + 2x^3y - 26xy^3 - 169y^4$	-1872	(1, 0)	
$x^4 + 2x^3y + 24xy^3 - 144y^4$	-1872	(1, 0)	
$3x^4 - 2x^3y - 12x^2y^2 + 48xy^3 - 64y^4$	-1872		
$3x^4 - 52y^4$	-1872		
$3x^4 + 2x^3y - 12x^2y^2 - 48xy^3 - 64y^4$	-1872		
$4x^4 - 39y^4$	-1872		
$4x^4 + 8x^3y - 72x^2y^2 - 284xy^3 - 289y^4$	-1872		(12, -5)
$4x^4 + 8x^3y - 72x^2y^2 + 132xy^3 - 81y^4$	-1872		(7, 5)
$5x^4 - 8x^3y - 42x^2y^2 + 136xy^3 - 115y^4$	-1872		
$5x^4 + 8x^3y - 42x^2y^2 - 136xy^3 - 115y^4$	-1872		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$8x^4 - 36x^2y^2 - 60xy^3 - 33y^4$	-1872		(1, -1)
$8x^4 - 36x^2y^2 + 60xy^3 - 33y^4$	-1872		(1, 1)
$8x^4 + 16x^3y + 12x^2y^2 + 4xy^3 - 19y^4$	-1872		
$9x^4 - 8x^3y - 6x^2y^2 + 24xy^3 - 23y^4$	-1872	(3, -2)	
$9x^4 - 6x^3y - 8xy^3 - 16y^4$	-1872		
$9x^4 - 3x^3y - 9x^2y^2 + 23xy^3 - 20y^4$	-1872		
$9x^4 + 3x^3y - 9x^2y^2 - 23xy^3 - 20y^4$	-1872		
$9x^4 + 6x^3y + 8xy^3 - 16y^4$	-1872		
$9x^4 + 8x^3y - 6x^2y^2 - 24xy^3 - 23y^4$	-1872	(3, 2)	
$12x^4 - 13y^4$	-1872		(1, 1) (1, -1)
$13x^4 - 12y^4$	-1872	(1, 1) (1, -1)	
$16x^4 - 8x^3y - 6xy^3 - 9y^4$	-1872		
$16x^4 + 8x^3y + 6xy^3 - 9y^4$	-1872		
$-12x^4 - 7x^3y - 7xy^3 + 12y^4$	-1875		
$-12x^4 + 7x^3y + 7xy^3 + 12y^4$	-1875		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 78y^4$	-1875		
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 78y^4$	-1875		
$12x^4 - 7x^3y - 7xy^3 - 12y^4$	-1875		
$12x^4 + 7x^3y + 7xy^3 - 12y^4$	-1875		
$-6x^4 - 5x^3y - 10xy^3 + 24y^4$	-1878		
$-6x^4 + 5x^3y + 10xy^3 + 24y^4$	-1878		
$-2x^4 - 3x^3y + 57x^2y^2 + 249xy^3 + 307y^4$	-1878		
$-2x^4 + 3x^3y + 57x^2y^2 - 249xy^3 + 307y^4$	-1878		
$2x^4 - 3x^3y - 57x^2y^2 + 249xy^3 - 307y^4$	-1878		
$2x^4 + 3x^3y - 57x^2y^2 - 249xy^3 - 307y^4$	-1878		
$6x^4 - 5x^3y - 10xy^3 - 24y^4$	-1878		
$6x^4 + 5x^3y + 10xy^3 - 24y^4$	-1878		
$-13x^4 - 7x^3y + 7xy^3 + 13y^4$	-1881		
$-13x^4 + 7x^3y - 7xy^3 + 13y^4$	-1881		
$13x^4 - 7x^3y + 7xy^3 - 13y^4$	-1881		
$13x^4 + 7x^3y - 7xy^3 - 13y^4$	-1881		
$-11x^4 - 12x^3y - 12xy^3 + 11y^4$	-1884		
$-11x^4 + 12x^3y + 12xy^3 + 11y^4$	-1884		
$-4x^4 + 8x^3y - 6x^2y^2 + 2xy^3 + 39y^4$	-1884		
$-x^4 + 157y^4$	-1884		(1, 0)
$x^4 - 157y^4$	-1884	(1, 0)	
$4x^4 + 8x^3y + 6x^2y^2 + 2xy^3 - 39y^4$	-1884		
$11x^4 - 12x^3y - 12xy^3 - 11y^4$	-1884		
$11x^4 + 12x^3y + 12xy^3 - 11y^4$	-1884		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-5x^4 - 3x^3y + 39x^2y^2 - 72xy^3 + 46y^4$	-1887		
$-5x^4 + 3x^3y + 39x^2y^2 + 72xy^3 + 46y^4$	-1887		
$-x^4 - x^3y + 234x^2y^2 - 1861xy^3 + 4255y^4$	-1887	(6, 1)	(1, 0)
$-x^4 + x^3y + 234x^2y^2 + 1861xy^3 + 4255y^4$	-1887	(6, -1)	(1, 0)
$x^4 - x^3y - 234x^2y^2 - 1861xy^3 - 4255y^4$	-1887	(1, 0)	(6, -1)
$x^4 + x^3y - 234x^2y^2 + 1861xy^3 - 4255y^4$	-1887	(1, 0)	(6, 1)
$5x^4 - 3x^3y - 39x^2y^2 - 72xy^3 - 46y^4$	-1887		
$5x^4 + 3x^3y - 39x^2y^2 + 72xy^3 - 46y^4$	-1887		
$-9x^4 - 9x^3y + 27x^2y^2 + 63xy^3 + 40y^4$	-1890		
$-9x^4 + 9x^3y + 27x^2y^2 - 63xy^3 + 40y^4$	-1890		
$-8x^4 - 6x^3y - 9xy^3 + 18y^4$	-1890		
$-8x^4 + 6x^3y + 9xy^3 + 18y^4$	-1890		
$-4x^4 - 2x^3y + 30x^2y^2 - 65xy^3 + 50y^4$	-1890		
$-4x^4 + 2x^3y + 30x^2y^2 + 65xy^3 + 50y^4$	-1890		
$-2x^4 - 3x^3y - 18xy^3 + 72y^4$	-1890		
$-2x^4 + 3x^3y + 18xy^3 + 72y^4$	-1890		
$-x^4 - x^3y + 30x^2y^2 - 130xy^3 + 200y^4$	-1890		(1, 0)
$-x^4 + x^3y + 30x^2y^2 + 130xy^3 + 200y^4$	-1890		(1, 0)
$x^4 - x^3y - 30x^2y^2 - 130xy^3 - 200y^4$	-1890	(1, 0)	
$x^4 + x^3y - 30x^2y^2 + 130xy^3 - 200y^4$	-1890	(1, 0)	
$2x^4 - 3x^3y - 18xy^3 - 72y^4$	-1890		
$2x^4 + 3x^3y + 18xy^3 - 72y^4$	-1890		
$4x^4 - 2x^3y - 30x^2y^2 - 65xy^3 - 50y^4$	-1890		
$4x^4 + 2x^3y - 30x^2y^2 + 65xy^3 - 50y^4$	-1890		
$8x^4 - 6x^3y - 9xy^3 - 18y^4$	-1890		
$8x^4 + 6x^3y + 9xy^3 - 18y^4$	-1890		
$9x^4 - 9x^3y - 27x^2y^2 + 63xy^3 - 40y^4$	-1890		
$9x^4 + 9x^3y - 27x^2y^2 - 63xy^3 - 40y^4$	-1890		
$-2x^4 - x^3y + 9x^2y^2 - 43xy^3 + 77y^4$	-1896		
$-2x^4 + 79y^4$	-1896		
$-2x^4 + x^3y + 9x^2y^2 + 43xy^3 + 77y^4$	-1896		
$-x^4 + 158y^4$	-1896		(1, 0)
$x^4 - 158y^4$	-1896	(1, 0)	
$2x^4 - x^3y - 9x^2y^2 - 43xy^3 - 77y^4$	-1896		
$2x^4 - 79y^4$	-1896		
$2x^4 + x^3y - 9x^2y^2 + 43xy^3 - 77y^4$	-1896		
$-15x^4 - 17x^3y - 3x^2y^2 + 12xy^3 + 14y^4$	-1899	(1, -1)	
$-15x^4 + 17x^3y - 3x^2y^2 - 12xy^3 + 14y^4$	-1899	(1, 1)	
$-14x^4 - 12x^3y + 3x^2y^2 + 17xy^3 + 15y^4$	-1899		(1, -1)

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-14x^4 + 12x^3y + 3x^2y^2 - 17xy^3 + 15y^4$	-1899		(1, 1)
$-6x^4 + 12x^3y - 9x^2y^2 + 3xy^3 + 26y^4$	-1899		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 79y^4$	-1899	(3, 1) (2, -1)	
$-x^4 - x^3y + 315x^2y^2 + 3228xy^3 + 9234y^4$	-1899		(1, 0)
$-x^4 + x^3y + 315x^2y^2 - 3228xy^3 + 9234y^4$	-1899		(1, 0)
$x^4 - x^3y - 315x^2y^2 + 3228xy^3 - 9234y^4$	-1899	(1, 0)	
$x^4 + x^3y - 315x^2y^2 - 3228xy^3 - 9234y^4$	-1899	(1, 0)	
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 79y^4$	-1899		(3, -1) (2, 1)
$6x^4 + 12x^3y + 9x^2y^2 + 3xy^3 - 26y^4$	-1899		
$14x^4 - 12x^3y - 3x^2y^2 + 17xy^3 - 15y^4$	-1899	(1, 1)	
$14x^4 + 12x^3y - 3x^2y^2 - 17xy^3 - 15y^4$	-1899	(1, -1)	
$15x^4 - 17x^3y + 3x^2y^2 + 12xy^3 - 14y^4$	-1899		(1, 1)
$15x^4 + 17x^3y + 3x^2y^2 - 12xy^3 - 14y^4$	-1899		(1, -1)
$-7x^4 - 3x^3y + 33x^2y^2 - 53xy^3 + 30y^4$	-1908		
$-7x^4 + 3x^3y + 33x^2y^2 + 53xy^3 + 30y^4$	-1908		
$-3x^4 + 53y^4$	-1908		
$-x^4 + 159y^4$	-1908		(1, 0)
$x^4 - 159y^4$	-1908	(1, 0)	
$3x^4 - 53y^4$	-1908		
$7x^4 - 3x^3y - 33x^2y^2 - 53xy^3 - 30y^4$	-1908		
$7x^4 + 3x^3y - 33x^2y^2 + 53xy^3 - 30y^4$	-1908		
$-2x^4 + 27x^2y^2 - 93xy^3 + 110y^4$	-1911		
$-2x^4 + 27x^2y^2 + 93xy^3 + 110y^4$	-1911		
$2x^4 - 27x^2y^2 - 93xy^3 - 110y^4$	-1911		
$2x^4 - 27x^2y^2 + 93xy^3 - 110y^4$	-1911		
$-16x^4 + 32x^3y - 24x^2y^2 + 8xy^3 + 9y^4$	-1920		
$-13x^4 - 6x^3y + 6xy^3 + 13y^4$	-1920		
$-13x^4 + 6x^3y - 6xy^3 + 13y^4$	-1920		
$-9x^4 - 8x^3y + 24x^2y^2 - 32xy^3 + 16y^4$	-1920		
$-9x^4 + 8x^3y + 24x^2y^2 + 32xy^3 + 16y^4$	-1920		
$-5x^4 + 32y^4$	-1920		
$-3x^4 - 4x^3y - 16xy^3 + 48y^4$	-1920		
$-3x^4 - 4x^3y + 78x^2y^2 - 196xy^3 + 157y^4$	-1920		
$-3x^4 + 4x^3y + 16xy^3 + 48y^4$	-1920		
$-3x^4 + 4x^3y + 78x^2y^2 + 196xy^3 + 157y^4$	-1920		
$-x^4 + 160y^4$	-1920		(1, 0)
$-x^4 + 54x^2y^2 - 264xy^3 + 403y^4$	-1920		(1, 0)
$-x^4 + 54x^2y^2 + 264xy^3 + 403y^4$	-1920		(1, 0)
$x^4 - 54x^2y^2 - 264xy^3 - 403y^4$	-1920	(1, 0)	

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$x^4 - 54x^2y^2 + 264xy^3 - 403y^4$	-1920	(1, 0)	
$x^4 - 160y^4$	-1920	(1, 0)	
$3x^4 - 4x^3y - 78x^2y^2 - 196xy^3 - 157y^4$	-1920		
$3x^4 - 4x^3y - 16xy^3 - 48y^4$	-1920		
$3x^4 + 4x^3y - 78x^2y^2 + 196xy^3 - 157y^4$	-1920		
$3x^4 + 4x^3y + 16xy^3 - 48y^4$	-1920		
$5x^4 - 32y^4$	-1920		
$9x^4 - 8x^3y - 24x^2y^2 - 32xy^3 - 16y^4$	-1920		
$9x^4 + 8x^3y - 24x^2y^2 + 32xy^3 - 16y^4$	-1920		
$13x^4 - 6x^3y + 6xy^3 - 13y^4$	-1920		
$13x^4 + 6x^3y - 6xy^3 - 13y^4$	-1920		
$16x^4 + 32x^3y + 24x^2y^2 + 8xy^3 - 9y^4$	-1920		
$-2x^4 - x^3y + 117x^2y^2 - 484xy^3 + 590y^4$	-1923		
$-2x^4 + x^3y + 117x^2y^2 + 484xy^3 + 590y^4$	-1923		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 80y^4$	-1923		
$2x^4 - x^3y - 117x^2y^2 - 484xy^3 - 590y^4$	-1923		
$2x^4 + x^3y - 117x^2y^2 + 484xy^3 - 590y^4$	-1923		
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 80y^4$	-1923		
$-5x^4 - 9x^3y + 3x^2y^2 + 35xy^3 + 48y^4$	-1926		
$-5x^4 + 9x^3y + 3x^2y^2 - 35xy^3 + 48y^4$	-1926		
$-2x^4 - x^3y + 54x^2y^2 - 174xy^3 + 180y^4$	-1926		
$-2x^4 + x^3y + 54x^2y^2 + 174xy^3 + 180y^4$	-1926		
$2x^4 - x^3y - 54x^2y^2 - 174xy^3 - 180y^4$	-1926		
$2x^4 + x^3y - 54x^2y^2 + 174xy^3 - 180y^4$	-1926		
$5x^4 - 9x^3y - 3x^2y^2 + 35xy^3 - 48y^4$	-1926		
$5x^4 + 9x^3y - 3x^2y^2 - 35xy^3 - 48y^4$	-1926		
$-16x^4 - 16x^3y - 6x^2y^2 - xy^3 + 10y^4$	-1932		
$-16x^4 + 16x^3y - 6x^2y^2 + xy^3 + 10y^4$	-1932		
$-15x^4 - 16x^3y + 16xy^3 + 15y^4$	-1932		
$-15x^4 + 16x^3y - 16xy^3 + 15y^4$	-1932		
$-10x^4 - x^3y + 6x^2y^2 - 16xy^3 + 16y^4$	-1932		
$-10x^4 + x^3y + 6x^2y^2 + 16xy^3 + 16y^4$	-1932		
$-7x^4 - 9x^3y - 3x^2y^2 + 9xy^3 + 26y^4$	-1932		
$-7x^4 + 23y^4$	-1932		
$-7x^4 + 9x^3y - 3x^2y^2 - 9xy^3 + 26y^4$	-1932		
$-x^4 - x^3y + 60x^2y^2 + 332xy^3 + 544y^4$	-1932		(1, 0)
$-x^4 - x^3y + 135x^2y^2 - 823xy^3 + 1474y^4$	-1932		(1, 0)
$-x^4 + 161y^4$	-1932		(1, 0)
$-x^4 + 24x^2y^2 - 120xy^3 + 209y^4$	-1932		(1, 0)

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-x^4 + 24x^2y^2 + 120xy^3 + 209y^4$	-1932		(1, 0)
$-x^4 + x^3y + 60x^2y^2 - 332xy^3 + 544y^4$	-1932		(1, 0)
$-x^4 + x^3y + 135x^2y^2 + 823xy^3 + 1474y^4$	-1932		(1, 0)
$x^4 - x^3y - 135x^2y^2 - 823xy^3 - 1474y^4$	-1932	(1, 0)	
$x^4 - x^3y - 60x^2y^2 + 332xy^3 - 544y^4$	-1932	(1, 0)	
$x^4 - 24x^2y^2 - 120xy^3 - 209y^4$	-1932	(1, 0)	
$x^4 - 24x^2y^2 + 120xy^3 - 209y^4$	-1932	(1, 0)	
$x^4 - 161y^4$	-1932	(1, 0)	
$x^4 + x^3y - 135x^2y^2 + 823xy^3 - 1474y^4$	-1932	(1, 0)	
$x^4 + x^3y - 60x^2y^2 - 332xy^3 - 544y^4$	-1932	(1, 0)	
$7x^4 - 9x^3y + 3x^2y^2 + 9xy^3 - 26y^4$	-1932		
$7x^4 - 23y^4$	-1932		
$7x^4 + 9x^3y + 3x^2y^2 - 9xy^3 - 26y^4$	-1932		
$10x^4 - x^3y - 6x^2y^2 - 16xy^3 - 16y^4$	-1932		
$10x^4 + x^3y - 6x^2y^2 + 16xy^3 - 16y^4$	-1932		
$15x^4 - 16x^3y + 16xy^3 - 15y^4$	-1932		
$15x^4 + 16x^3y - 16xy^3 - 15y^4$	-1932		
$16x^4 - 16x^3y + 6x^2y^2 - xy^3 - 10y^4$	-1932		
$16x^4 + 16x^3y + 6x^2y^2 + xy^3 - 10y^4$	-1932		
$-12x^4 - 13x^3y + 21x^2y^2 - 24xy^3 + 10y^4$	-1935		
$-12x^4 + 13x^3y + 21x^2y^2 + 24xy^3 + 10y^4$	-1935		
$-10x^4 - 16x^3y - 9x^2y^2 + 3xy^3 + 18y^4$	-1935		
$-10x^4 + 16x^3y - 9x^2y^2 - 3xy^3 + 18y^4$	-1935		
$-2x^4 - x^3y + 9x^2y^2 + 48xy^3 + 90y^4$	-1935		
$-2x^4 + x^3y + 9x^2y^2 - 48xy^3 + 90y^4$	-1935		
$2x^4 - x^3y - 9x^2y^2 + 48xy^3 - 90y^4$	-1935		
$2x^4 + x^3y - 9x^2y^2 - 48xy^3 - 90y^4$	-1935		
$10x^4 - 16x^3y + 9x^2y^2 + 3xy^3 - 18y^4$	-1935		
$10x^4 + 16x^3y + 9x^2y^2 - 3xy^3 - 18y^4$	-1935		
$12x^4 - 13x^3y - 21x^2y^2 - 24xy^3 - 10y^4$	-1935		
$12x^4 + 13x^3y - 21x^2y^2 + 24xy^3 - 10y^4$	-1935		
$-14x^4 - x^3y + 6x^2y^2 + 14xy^3 + 12y^4$	-1938		
$-14x^4 + x^3y + 6x^2y^2 - 14xy^3 + 12y^4$	-1938		
$-12x^4 - 14x^3y - 6x^2y^2 + xy^3 + 14y^4$	-1938		
$-12x^4 + 14x^3y - 6x^2y^2 - xy^3 + 14y^4$	-1938		
$-4x^4 - 2x^3y + 6x^2y^2 - 25xy^3 + 38y^4$	-1938		
$-4x^4 + 2x^3y + 6x^2y^2 + 25xy^3 + 38y^4$	-1938		
$-3x^4 - 5x^3y - 3x^2y^2 - 5xy^3 + 52y^4$	-1938		
$-3x^4 + 5x^3y - 3x^2y^2 + 5xy^3 + 52y^4$	-1938		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-x^4 - x^3y + 6x^2y^2 - 50xy^3 + 152y^4$	-1938		(1, 0)
$-x^4 + x^3y + 6x^2y^2 + 50xy^3 + 152y^4$	-1938		(1, 0)
$x^4 - x^3y - 6x^2y^2 - 50xy^3 - 152y^4$	-1938	(1, 0)	
$x^4 + x^3y - 6x^2y^2 + 50xy^3 - 152y^4$	-1938	(1, 0)	
$3x^4 - 5x^3y + 3x^2y^2 - 5xy^3 - 52y^4$	-1938		
$3x^4 + 5x^3y + 3x^2y^2 + 5xy^3 - 52y^4$	-1938		
$4x^4 - 2x^3y - 6x^2y^2 - 25xy^3 - 38y^4$	-1938		
$4x^4 + 2x^3y - 6x^2y^2 + 25xy^3 - 38y^4$	-1938		
$12x^4 - 14x^3y + 6x^2y^2 + xy^3 - 14y^4$	-1938		
$12x^4 + 14x^3y + 6x^2y^2 - xy^3 - 14y^4$	-1938		
$14x^4 - x^3y - 6x^2y^2 + 14xy^3 - 12y^4$	-1938		
$14x^4 + x^3y - 6x^2y^2 - 14xy^3 - 12y^4$	-1938		
$-4x^4 - 4x^3y + 12x^2y^2 - 34xy^3 + 35y^4$	-1944		
$-4x^4 + 4x^3y + 12x^2y^2 + 34xy^3 + 35y^4$	-1944		
$-2x^4 + 81y^4$	-1944		
$-x^4 - x^3y + 18x^2y^2 + 108xy^3 + 216y^4$	-1944		(1, 0)
$-x^4 + 162y^4$	-1944		(1, 0)
$-x^4 + 108x^2y^2 - 648xy^3 + 1134y^4$	-1944		(1, 0)
$-x^4 + 108x^2y^2 + 648xy^3 + 1134y^4$	-1944		(1, 0)
$-x^4 + x^3y + 18x^2y^2 - 108xy^3 + 216y^4$	-1944		(1, 0)
$-x^4 + 2x^3y + 12x^2y^2 - 94xy^3 + 221y^4$	-1944		(1, 0)
$-x^4 + 2x^3y + 12x^2y^2 + 68xy^3 + 140y^4$	-1944		(1, 0)
$x^4 - x^3y - 18x^2y^2 + 108xy^3 - 216y^4$	-1944	(1, 0)	
$x^4 - 108x^2y^2 - 648xy^3 - 1134y^4$	-1944	(1, 0)	
$x^4 - 108x^2y^2 + 648xy^3 - 1134y^4$	-1944	(1, 0)	
$x^4 - 162y^4$	-1944	(1, 0)	
$x^4 + x^3y - 18x^2y^2 - 108xy^3 - 216y^4$	-1944	(1, 0)	
$x^4 + 2x^3y - 12x^2y^2 - 94xy^3 - 221y^4$	-1944	(1, 0)	
$x^4 + 2x^3y - 12x^2y^2 + 68xy^3 - 140y^4$	-1944	(1, 0)	
$2x^4 - 81y^4$	-1944		
$4x^4 - 4x^3y - 12x^2y^2 - 34xy^3 - 35y^4$	-1944		
$4x^4 + 4x^3y - 12x^2y^2 + 34xy^3 - 35y^4$	-1944		
$-6x^4 - 11x^3y + 33x^2y^2 - 44xy^3 + 22y^4$	-1947		
$-6x^4 + 11x^3y + 33x^2y^2 + 44xy^3 + 22y^4$	-1947		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 81y^4$	-1947		
$-x^4 - x^3y + 84x^2y^2 - 421xy^3 + 645y^4$	-1947		(1, 0)
$-x^4 + x^3y + 84x^2y^2 + 421xy^3 + 645y^4$	-1947		(1, 0)
$x^4 - x^3y - 84x^2y^2 - 421xy^3 - 645y^4$	-1947	(1, 0)	
$x^4 + x^3y - 84x^2y^2 + 421xy^3 - 645y^4$	-1947	(1, 0)	

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 81y^4$	-1947		
$6x^4 - 11x^3y - 33x^2y^2 - 44xy^3 - 22y^4$	-1947		
$6x^4 + 11x^3y - 33x^2y^2 + 44xy^3 - 22y^4$	-1947		
$-12x^4 - 10x^3y + 12x^2y^2 + 31xy^3 + 21y^4$	-1950		
$-12x^4 + 10x^3y + 12x^2y^2 - 31xy^3 + 21y^4$	-1950		
$-4x^4 - 6x^3y + 6x^2y^2 + 39xy^3 + 56y^4$	-1950		
$-4x^4 - 2x^3y + 24x^2y^2 + 67xy^3 + 61y^4$	-1950		
$-4x^4 + 2x^3y + 24x^2y^2 - 67xy^3 + 61y^4$	-1950		
$-4x^4 + 6x^3y + 6x^2y^2 - 39xy^3 + 56y^4$	-1950		
$-3x^4 - 5x^3y + 12x^2y^2 + 62xy^3 + 84y^4$	-1950		
$-3x^4 + 5x^3y + 12x^2y^2 - 62xy^3 + 84y^4$	-1950		
$-x^4 - x^3y + 9x^2y^2 - 61xy^3 + 154y^4$	-1950		(1, 0)
$-x^4 - x^3y + 24x^2y^2 + 134xy^3 + 244y^4$	-1950		(1, 0)
$-x^4 + x^3y + 9x^2y^2 + 61xy^3 + 154y^4$	-1950		(1, 0)
$-x^4 + x^3y + 24x^2y^2 - 134xy^3 + 244y^4$	-1950		(1, 0)
$x^4 - x^3y - 24x^2y^2 + 134xy^3 - 244y^4$	-1950	(1, 0)	
$x^4 - x^3y - 9x^2y^2 - 61xy^3 - 154y^4$	-1950	(1, 0)	
$x^4 + x^3y - 24x^2y^2 - 134xy^3 - 244y^4$	-1950	(1, 0)	
$x^4 + x^3y - 9x^2y^2 + 61xy^3 - 154y^4$	-1950	(1, 0)	
$3x^4 - 5x^3y - 12x^2y^2 + 62xy^3 - 84y^4$	-1950		
$3x^4 + 5x^3y - 12x^2y^2 - 62xy^3 - 84y^4$	-1950		
$4x^4 - 6x^3y - 6x^2y^2 + 39xy^3 - 56y^4$	-1950		
$4x^4 - 2x^3y - 24x^2y^2 + 67xy^3 - 61y^4$	-1950		
$4x^4 + 2x^3y - 24x^2y^2 - 67xy^3 - 61y^4$	-1950		
$4x^4 + 6x^3y - 6x^2y^2 - 39xy^3 - 56y^4$	-1950		
$12x^4 - 10x^3y - 12x^2y^2 + 31xy^3 - 21y^4$	-1950		
$12x^4 + 10x^3y - 12x^2y^2 - 31xy^3 - 21y^4$	-1950		
$-17x^4 - 33x^3y - 24x^2y^2 - 7xy^3 + 9y^4$	-1953		
$-17x^4 + 33x^3y - 24x^2y^2 + 7xy^3 + 9y^4$	-1953		
$-16x^4 - 22x^3y - 9x^2y^2 + 7xy^3 + 13y^4$	-1953		
$-16x^4 + 22x^3y - 9x^2y^2 - 7xy^3 + 13y^4$	-1953		
$-13x^4 - 7x^3y + 9x^2y^2 + 22xy^3 + 16y^4$	-1953		
$-13x^4 - 5x^3y + 5xy^3 + 13y^4$	-1953		
$-13x^4 + 5x^3y - 5xy^3 + 13y^4$	-1953		
$-13x^4 + 7x^3y + 9x^2y^2 - 22xy^3 + 16y^4$	-1953		
$-9x^4 - 7x^3y + 24x^2y^2 - 33xy^3 + 17y^4$	-1953		
$-9x^4 + 7x^3y + 24x^2y^2 + 33xy^3 + 17y^4$	-1953		
$-8x^4 - 10x^3y + 27x^2y^2 - 35xy^3 + 17y^4$	-1953		
$-8x^4 + 10x^3y + 27x^2y^2 + 35xy^3 + 17y^4$	-1953		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-4x^4 - 5x^3y - 15xy^3 + 36y^4$	-1953	(1, 0)	(1, 0)
$-4x^4 + 5x^3y + 15xy^3 + 36y^4$	-1953		
$-3x^4 - x^3y + 105x^2y^2 + 378xy^3 + 392y^4$	-1953		
$-3x^4 + x^3y + 105x^2y^2 - 378xy^3 + 392y^4$	-1953		
$-2x^4 - 3x^3y + 30x^2y^2 + 131xy^3 + 168y^4$	-1953		
$-2x^4 + 3x^3y + 30x^2y^2 - 131xy^3 + 168y^4$	-1953		
$2x^4 - 3x^3y - 30x^2y^2 + 131xy^3 - 168y^4$	-1953		
$2x^4 + 3x^3y - 30x^2y^2 - 131xy^3 - 168y^4$	-1953		
$3x^4 - x^3y - 105x^2y^2 + 378xy^3 - 392y^4$	-1953		
$3x^4 + x^3y - 105x^2y^2 - 378xy^3 - 392y^4$	-1953		
$4x^4 - 5x^3y - 15xy^3 - 36y^4$	-1953		
$4x^4 + 5x^3y + 15xy^3 - 36y^4$	-1953		
$8x^4 - 10x^3y - 27x^2y^2 - 35xy^3 - 17y^4$	-1953		
$8x^4 + 10x^3y - 27x^2y^2 + 35xy^3 - 17y^4$	-1953		
$9x^4 - 7x^3y - 24x^2y^2 - 33xy^3 - 17y^4$	-1953		
$9x^4 + 7x^3y - 24x^2y^2 + 33xy^3 - 17y^4$	-1953		
$13x^4 - 7x^3y - 9x^2y^2 + 22xy^3 - 16y^4$	-1953		
$13x^4 - 5x^3y + 5xy^3 - 13y^4$	-1953		
$13x^4 + 5x^3y - 5xy^3 - 13y^4$	-1953		
$13x^4 + 7x^3y - 9x^2y^2 - 22xy^3 - 16y^4$	-1953		
$16x^4 - 22x^3y + 9x^2y^2 + 7xy^3 - 13y^4$	-1953		
$16x^4 + 22x^3y + 9x^2y^2 - 7xy^3 - 13y^4$	-1953		
$17x^4 - 33x^3y + 24x^2y^2 - 7xy^3 - 9y^4$	-1953		
$17x^4 + 33x^3y + 24x^2y^2 + 7xy^3 - 9y^4$	-1953		
$-x^4 + 163y^4$	-1956		
$x^4 - 163y^4$	-1956		
$-11x^4 - 13x^3y - 13xy^3 + 11y^4$	-1959		
$-11x^4 + 13x^3y + 13xy^3 + 11y^4$	-1959		
$11x^4 - 13x^3y - 13xy^3 - 11y^4$	-1959		
$11x^4 + 13x^3y + 13xy^3 - 11y^4$	-1959		
$-12x^4 - 10x^3y + 3x^2y^2 - 13xy^3 + 11y^4$	-1965		
$-12x^4 + 10x^3y + 3x^2y^2 + 13xy^3 + 11y^4$	-1965		
$-11x^4 - 13x^3y - 3x^2y^2 - 10xy^3 + 12y^4$	-1965		
$-11x^4 + 13x^3y - 3x^2y^2 + 10xy^3 + 12y^4$	-1965		
$-3x^4 - 5x^3y + 3x^2y^2 - 26xy^3 + 44y^4$	-1965		
$-3x^4 + 5x^3y + 3x^2y^2 + 26xy^3 + 44y^4$	-1965		
$3x^4 - 5x^3y - 3x^2y^2 - 26xy^3 - 44y^4$	-1965		
$3x^4 + 5x^3y - 3x^2y^2 + 26xy^3 - 44y^4$	-1965		
$11x^4 - 13x^3y + 3x^2y^2 - 10xy^3 - 12y^4$	-1965		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$11x^4 + 13x^3y + 3x^2y^2 + 10xy^3 - 12y^4$	-1965	(1, 0)	(1, 0)
$12x^4 - 10x^3y - 3x^2y^2 - 13xy^3 - 11y^4$	-1965		
$12x^4 + 10x^3y - 3x^2y^2 + 13xy^3 - 11y^4$	-1965		
$-8x^4 - 4x^3y + 18x^2y^2 - 31xy^3 + 20y^4$	-1968		
$-8x^4 + 4x^3y + 18x^2y^2 + 31xy^3 + 20y^4$	-1968		
$-7x^4 - 8x^3y + 16xy^3 + 28y^4$	-1968		
$-7x^4 + 8x^3y - 16xy^3 + 28y^4$	-1968		
$-5x^4 - 2x^3y + 12x^2y^2 - 32xy^3 + 32y^4$	-1968		
$-5x^4 + 2x^3y + 12x^2y^2 + 32xy^3 + 32y^4$	-1968		
$-4x^4 + 41y^4$	-1968		
$-3x^4 - 4x^3y + 30x^2y^2 - 68xy^3 + 57y^4$	-1968		
$-3x^4 + 4x^3y + 30x^2y^2 + 68xy^3 + 57y^4$	-1968		
$-x^4 + 164y^4$	-1968		
$x^4 - 164y^4$	-1968		
$3x^4 - 4x^3y - 30x^2y^2 - 68xy^3 - 57y^4$	-1968		
$3x^4 + 4x^3y - 30x^2y^2 + 68xy^3 - 57y^4$	-1968		
$4x^4 - 41y^4$	-1968		
$5x^4 - 2x^3y - 12x^2y^2 - 32xy^3 - 32y^4$	-1968		
$5x^4 + 2x^3y - 12x^2y^2 + 32xy^3 - 32y^4$	-1968		
$7x^4 - 8x^3y + 16xy^3 - 28y^4$	-1968		
$7x^4 + 8x^3y - 16xy^3 - 28y^4$	-1968		
$8x^4 - 4x^3y - 18x^2y^2 - 31xy^3 - 20y^4$	-1968		
$8x^4 + 4x^3y - 18x^2y^2 + 31xy^3 - 20y^4$	-1968		
$-17x^4 - 31x^3y - 21x^2y^2 - 4xy^3 + 10y^4$	-1971		
$-17x^4 + 31x^3y - 21x^2y^2 + 4xy^3 + 10y^4$	-1971		
$-10x^4 - 4x^3y + 21x^2y^2 - 31xy^3 + 17y^4$	-1971		
$-10x^4 + 4x^3y + 21x^2y^2 + 31xy^3 + 17y^4$	-1971		
$-8x^4 - 9x^3y + 27x^2y^2 - 36xy^3 + 18y^4$	-1971		
$-8x^4 + 9x^3y + 27x^2y^2 + 36xy^3 + 18y^4$	-1971		
$-7x^4 - 13x^3y + 30x^2y^2 - 37xy^3 + 17y^4$	-1971		
$-7x^4 + 13x^3y + 30x^2y^2 + 37xy^3 + 17y^4$	-1971		
$-5x^4 - 9x^3y + 27xy^3 + 45y^4$	-1971		
$-5x^4 + 9x^3y - 27xy^3 + 45y^4$	-1971		
$-3x^4 - x^3y + 9x^2y^2 - 36xy^3 + 54y^4$	-1971		
$-3x^4 + x^3y + 9x^2y^2 + 36xy^3 + 54y^4$	-1971		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 82y^4$	-1971		
$-2x^4 + 4x^3y + 45x^2y^2 - 211xy^3 + 272y^4$	-1971		
$-2x^4 + 4x^3y + 45x^2y^2 + 117xy^3 + 108y^4$	-1971		
$2x^4 + 4x^3y - 45x^2y^2 - 211xy^3 - 272y^4$	-1971		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$2x^4 + 4x^3y - 45x^2y^2 + 117xy^3 - 108y^4$	-1971		
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 82y^4$	-1971		
$3x^4 - x^3y - 9x^2y^2 - 36xy^3 - 54y^4$	-1971		
$3x^4 + x^3y - 9x^2y^2 + 36xy^3 - 54y^4$	-1971		
$5x^4 - 9x^3y + 27xy^3 - 45y^4$	-1971		
$5x^4 + 9x^3y - 27xy^3 - 45y^4$	-1971		
$7x^4 - 13x^3y - 30x^2y^2 - 37xy^3 - 17y^4$	-1971		
$7x^4 + 13x^3y - 30x^2y^2 + 37xy^3 - 17y^4$	-1971		
$8x^4 - 9x^3y - 27x^2y^2 - 36xy^3 - 18y^4$	-1971		
$8x^4 + 9x^3y - 27x^2y^2 + 36xy^3 - 18y^4$	-1971		
$10x^4 - 4x^3y - 21x^2y^2 - 31xy^3 - 17y^4$	-1971		
$10x^4 + 4x^3y - 21x^2y^2 + 31xy^3 - 17y^4$	-1971		
$17x^4 - 31x^3y + 21x^2y^2 - 4xy^3 - 10y^4$	-1971		
$17x^4 + 31x^3y + 21x^2y^2 + 4xy^3 - 10y^4$	-1971		
$-4x^4 - 6x^3y + 21xy^3 + 49y^4$	-1974		
$-4x^4 - 3x^3y + 30x^2y^2 + 86xy^3 + 76y^4$	-1974		
$-4x^4 + 3x^3y + 30x^2y^2 - 86xy^3 + 76y^4$	-1974		
$-4x^4 + 6x^3y - 21xy^3 + 49y^4$	-1974		
$-x^4 - x^3y + 3x^2y^2 - 37xy^3 + 156y^4$	-1974		(1, 0)
$-x^4 - x^3y + 123x^2y^2 + 843xy^3 + 1636y^4$	-1974		(1, 0)
$-x^4 + x^3y + 3x^2y^2 + 37xy^3 + 156y^4$	-1974		(1, 0)
$-x^4 + x^3y + 123x^2y^2 - 843xy^3 + 1636y^4$	-1974		(1, 0)
$x^4 - x^3y - 123x^2y^2 + 843xy^3 - 1636y^4$	-1974	(1, 0)	
$x^4 - x^3y - 3x^2y^2 - 37xy^3 - 156y^4$	-1974	(1, 0)	
$x^4 + x^3y - 123x^2y^2 - 843xy^3 - 1636y^4$	-1974	(1, 0)	
$x^4 + x^3y - 3x^2y^2 + 37xy^3 - 156y^4$	-1974	(1, 0)	
$4x^4 - 6x^3y + 21xy^3 - 49y^4$	-1974		
$4x^4 - 3x^3y - 30x^2y^2 + 86xy^3 - 76y^4$	-1974		
$4x^4 + 3x^3y - 30x^2y^2 - 86xy^3 - 76y^4$	-1974		
$4x^4 + 6x^3y - 21xy^3 - 49y^4$	-1974		
$-15x^4 + 11y^4$	-1980		
$-13x^4 - 6x^3y + 18x^2y^2 - 24xy^3 + 12y^4$	-1980		
$-13x^4 - 4x^3y + 4xy^3 + 13y^4$	-1980		
$-13x^4 + 4x^3y - 4xy^3 + 13y^4$	-1980		
$-13x^4 + 6x^3y + 18x^2y^2 + 24xy^3 + 12y^4$	-1980		
$-12x^4 + 24x^3y - 18x^2y^2 + 6xy^3 + 13y^4$	-1980		
$-11x^4 + 15y^4$	-1980		
$-9x^4 - 12x^3y + 20xy^3 + 25y^4$	-1980		
$-9x^4 + 12x^3y - 20xy^3 + 25y^4$	-1980		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-8x^4 - 12x^3y + 30x^2y^2 + 88xy^3 + 63y^4$	-1980		
$-8x^4 + 12x^3y + 30x^2y^2 - 88xy^3 + 63y^4$	-1980		
$-7x^4 - 10x^3y + 30x^2y^2 - 40xy^3 + 20y^4$	-1980		
$-7x^4 + 10x^3y + 30x^2y^2 + 40xy^3 + 20y^4$	-1980		
$-5x^4 + 33y^4$	-1980		
$-4x^4 + 8x^3y - 6x^2y^2 + 2xy^3 + 41y^4$	-1980		
$-3x^4 + 55y^4$	-1980		
$-x^4 + 165y^4$	-1980		(1, 0)
$-x^4 + 6x^2y^2 - 52xy^3 + 168y^4$	-1980		(1, 0)
$-x^4 + 6x^2y^2 + 52xy^3 + 168y^4$	-1980		(1, 0)
$-x^4 + 2x^3y + 246x^2y^2 - 2392xy^3 + 6404y^4$	-1980		(7, 1) (1, 0)
$-x^4 + 2x^3y + 246x^2y^2 + 1898xy^3 + 4259y^4$	-1980		(6, -1) (1, 0)
$x^4 - 6x^2y^2 - 52xy^3 - 168y^4$	-1980	(1, 0)	
$x^4 - 6x^2y^2 + 52xy^3 - 168y^4$	-1980	(1, 0)	
$x^4 - 165y^4$	-1980	(1, 0)	
$x^4 + 2x^3y - 246x^2y^2 - 2392xy^3 - 6404y^4$	-1980	(7, -1) (1, 0)	
$x^4 + 2x^3y - 246x^2y^2 + 1898xy^3 - 4259y^4$	-1980	(6, 1) (1, 0)	
$3x^4 - 55y^4$	-1980		
$4x^4 + 8x^3y + 6x^2y^2 + 2xy^3 - 41y^4$	-1980		
$5x^4 - 33y^4$	-1980		
$7x^4 - 10x^3y - 30x^2y^2 - 40xy^3 - 20y^4$	-1980		
$7x^4 + 10x^3y - 30x^2y^2 + 40xy^3 - 20y^4$	-1980		
$8x^4 - 12x^3y - 30x^2y^2 + 88xy^3 - 63y^4$	-1980		
$8x^4 + 12x^3y - 30x^2y^2 - 88xy^3 - 63y^4$	-1980		
$9x^4 - 12x^3y + 20xy^3 - 25y^4$	-1980		
$9x^4 + 12x^3y - 20xy^3 - 25y^4$	-1980		
$11x^4 - 15y^4$	-1980		
$12x^4 + 24x^3y + 18x^2y^2 + 6xy^3 - 13y^4$	-1980		
$13x^4 - 6x^3y - 18x^2y^2 - 24xy^3 - 12y^4$	-1980		
$13x^4 - 4x^3y + 4xy^3 - 13y^4$	-1980		
$13x^4 + 4x^3y - 4xy^3 - 13y^4$	-1980		
$13x^4 + 6x^3y - 18x^2y^2 + 24xy^3 - 12y^4$	-1980		
$15x^4 - 11y^4$	-1980		
$-3x^4 - x^3y + 78x^2y^2 - 229xy^3 + 205y^4$	-1983		
$-3x^4 + x^3y + 78x^2y^2 + 229xy^3 + 205y^4$	-1983		
$3x^4 - x^3y - 78x^2y^2 - 229xy^3 - 205y^4$	-1983		
$3x^4 + x^3y - 78x^2y^2 + 229xy^3 - 205y^4$	-1983		
$-16x^4 - 19x^3y + 19xy^3 + 16y^4$	-1989		
$-16x^4 + 19x^3y - 19xy^3 + 16y^4$	-1989		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-15x^4 - 11x^3y + 18x^2y^2 - 21xy^3 + 9y^4$	-1989		
$-15x^4 + 11x^3y + 18x^2y^2 + 21xy^3 + 9y^4$	-1989		
$-14x^4 - 11x^3y + 11xy^3 + 14y^4$	-1989		
$-14x^4 + 11x^3y - 11xy^3 + 14y^4$	-1989		
$-9x^4 - 15x^3y - 9x^2y^2 + 2xy^3 + 20y^4$	-1989		
$-9x^4 + 15x^3y - 9x^2y^2 - 2xy^3 + 20y^4$	-1989		
$-5x^4 - x^3y + 9x^2y^2 + 30xy^3 + 36y^4$	-1989		
$-5x^4 + x^3y + 9x^2y^2 - 30xy^3 + 36y^4$	-1989		
$-4x^4 - 6x^3y - 3x^2y^2 - 7xy^3 + 39y^4$	-1989		
$-4x^4 + 6x^3y - 3x^2y^2 + 7xy^3 + 39y^4$	-1989		
$-x^4 - x^3y + 13xy^3 + 169y^4$	-1989		(1, 0)
$-x^4 + x^3y - 13xy^3 + 169y^4$	-1989		(1, 0)
$x^4 - x^3y + 13xy^3 - 169y^4$	-1989	(1, 0)	
$x^4 + x^3y - 13xy^3 - 169y^4$	-1989	(1, 0)	
$4x^4 - 6x^3y + 3x^2y^2 - 7xy^3 - 39y^4$	-1989		
$4x^4 + 6x^3y + 3x^2y^2 + 7xy^3 - 39y^4$	-1989		
$5x^4 - x^3y - 9x^2y^2 + 30xy^3 - 36y^4$	-1989		
$5x^4 + x^3y - 9x^2y^2 - 30xy^3 - 36y^4$	-1989		
$9x^4 - 15x^3y + 9x^2y^2 + 2xy^3 - 20y^4$	-1989		
$9x^4 + 15x^3y + 9x^2y^2 - 2xy^3 - 20y^4$	-1989		
$14x^4 - 11x^3y + 11xy^3 - 14y^4$	-1989		
$14x^4 + 11x^3y - 11xy^3 - 14y^4$	-1989		
$15x^4 - 11x^3y - 18x^2y^2 - 21xy^3 - 9y^4$	-1989		
$15x^4 + 11x^3y - 18x^2y^2 + 21xy^3 - 9y^4$	-1989		
$16x^4 - 19x^3y + 19xy^3 - 16y^4$	-1989		
$16x^4 + 19x^3y - 19xy^3 - 16y^4$	-1989		
$-2x^4 + 83y^4$	-1992		
$-x^4 + 166y^4$	-1992		(1, 0)
$-x^4 + 2x^3y + 120x^2y^2 - 886xy^3 + 1809y^4$	-1992		(1, 0)
$-x^4 + 2x^3y + 120x^2y^2 + 644xy^3 + 1044y^4$	-1992		(1, 0)
$x^4 - 166y^4$	-1992	(1, 0)	
$x^4 + 2x^3y - 120x^2y^2 - 886xy^3 - 1809y^4$	-1992	(1, 0)	
$x^4 + 2x^3y - 120x^2y^2 + 644xy^3 - 1044y^4$	-1992	(1, 0)	
$2x^4 - 83y^4$	-1992		
$-14x^4 + 28x^3y - 21x^2y^2 + 7xy^3 + 11y^4$	-1995		
$-11x^4 - 7x^3y + 21x^2y^2 - 28xy^3 + 14y^4$	-1995		
$-11x^4 + 7x^3y + 21x^2y^2 + 28xy^3 + 14y^4$	-1995		
$-10x^4 + 20x^3y - 15x^2y^2 + 5xy^3 + 16y^4$	-1995		
$-2x^4 - 3x^3y + 123x^2y^2 - 468xy^3 + 538y^4$	-1995		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-2x^4 + 3x^3y + 123x^2y^2 + 468xy^3 + 538y^4$	-1995	(1, 0)	(1, 0)
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 83y^4$	-1995		
$-2x^4 + 4x^3y + 9x^2y^2 - 65xy^3 + 119y^4$	-1995		
$-2x^4 + 4x^3y + 9x^2y^2 + 43xy^3 + 65y^4$	-1995		
$-x^4 - x^3y + 45x^2y^2 - 196xy^3 + 286y^4$	-1995		
$-x^4 + x^3y + 45x^2y^2 + 196xy^3 + 286y^4$	-1995		
$x^4 - x^3y - 45x^2y^2 - 196xy^3 - 286y^4$	-1995		
$x^4 + x^3y - 45x^2y^2 + 196xy^3 - 286y^4$	-1995		
$2x^4 - 3x^3y - 123x^2y^2 - 468xy^3 - 538y^4$	-1995		
$2x^4 + 3x^3y - 123x^2y^2 + 468xy^3 - 538y^4$	-1995		
$2x^4 + 4x^3y - 9x^2y^2 - 65xy^3 - 119y^4$	-1995		
$2x^4 + 4x^3y - 9x^2y^2 + 43xy^3 - 65y^4$	-1995		
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 83y^4$	-1995		
$10x^4 + 20x^3y + 15x^2y^2 + 5xy^3 - 16y^4$	-1995		
$11x^4 - 7x^3y - 21x^2y^2 - 28xy^3 - 14y^4$	-1995		
$11x^4 + 7x^3y - 21x^2y^2 + 28xy^3 - 14y^4$	-1995		
$14x^4 + 28x^3y + 21x^2y^2 + 7xy^3 - 11y^4$	-1995		
$-13x^4 - 3x^3y + 3xy^3 + 13y^4$	-2001		
$-13x^4 + 3x^3y - 3xy^3 + 13y^4$	-2001		
$-12x^4 - 14x^3y + 15x^2y^2 + 43xy^3 + 28y^4$	-2001		
$-12x^4 + 14x^3y + 15x^2y^2 - 43xy^3 + 28y^4$	-2001		
$-3x^4 - 5x^3y + 18x^2y^2 - 47xy^3 + 45y^4$	-2001		
$-3x^4 + 5x^3y + 18x^2y^2 + 47xy^3 + 45y^4$	-2001		
$-2x^4 - 3x^3y + 81x^2y^2 - 258xy^3 + 260y^4$	-2001		
$-2x^4 + 3x^3y + 81x^2y^2 + 258xy^3 + 260y^4$	-2001		
$2x^4 - 3x^3y - 81x^2y^2 - 258xy^3 - 260y^4$	-2001		
$2x^4 + 3x^3y - 81x^2y^2 + 258xy^3 - 260y^4$	-2001		
$3x^4 - 5x^3y - 18x^2y^2 - 47xy^3 - 45y^4$	-2001		
$3x^4 + 5x^3y - 18x^2y^2 + 47xy^3 - 45y^4$	-2001		
$12x^4 - 14x^3y - 15x^2y^2 + 43xy^3 - 28y^4$	-2001		
$12x^4 + 14x^3y - 15x^2y^2 - 43xy^3 - 28y^4$	-2001		
$13x^4 - 3x^3y + 3xy^3 - 13y^4$	-2001		
$13x^4 + 3x^3y - 3xy^3 - 13y^4$	-2001		
$-x^4 + 167y^4$	-2004		(1, 0)
$x^4 - 167y^4$	-2004		
$-17x^4 - 29x^3y - 18x^2y^2 - xy^3 + 11y^4$	-2007		
$-17x^4 + 29x^3y - 18x^2y^2 + xy^3 + 11y^4$	-2007		
$-11x^4 - x^3y + 18x^2y^2 - 29xy^3 + 17y^4$	-2007		
$-11x^4 + x^3y + 18x^2y^2 + 29xy^3 + 17y^4$	-2007		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-6x^4 - 8x^3y + 45x^2y^2 + 129xy^3 + 99y^4$	-2007	(1, 0)	(1, 0)
$-6x^4 + 8x^3y + 45x^2y^2 - 129xy^3 + 99y^4$	-2007		
$6x^4 - 8x^3y - 45x^2y^2 + 129xy^3 - 99y^4$	-2007		
$6x^4 + 8x^3y - 45x^2y^2 - 129xy^3 - 99y^4$	-2007		
$11x^4 - x^3y - 18x^2y^2 - 29xy^3 - 17y^4$	-2007		
$11x^4 + x^3y - 18x^2y^2 + 29xy^3 - 17y^4$	-2007		
$17x^4 - 29x^3y + 18x^2y^2 - xy^3 - 11y^4$	-2007		
$17x^4 + 29x^3y + 18x^2y^2 + xy^3 - 11y^4$	-2007		
$-13x^4 - 2x^3y + 2xy^3 + 13y^4$	-2016		
$-13x^4 + 2x^3y - 2xy^3 + 13y^4$	-2016		
$-8x^4 + 21y^4$	-2016		
$-7x^4 + 24y^4$	-2016		
$-3x^4 + 56y^4$	-2016		
$-x^4 + 168y^4$	-2016		
$x^4 - 168y^4$	-2016		
$3x^4 - 56y^4$	-2016		
$7x^4 - 24y^4$	-2016		
$8x^4 - 21y^4$	-2016		
$13x^4 - 2x^3y + 2xy^3 - 13y^4$	-2016		
$13x^4 + 2x^3y - 2xy^3 - 13y^4$	-2016		
$-6x^4 - x^3y + 33x^2y^2 + 68xy^3 + 46y^4$	-2019		
$-6x^4 + x^3y + 33x^2y^2 - 68xy^3 + 46y^4$	-2019		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 84y^4$	-2019		
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 84y^4$	-2019		
$6x^4 - x^3y - 33x^2y^2 + 68xy^3 - 46y^4$	-2019		
$6x^4 + x^3y - 33x^2y^2 - 68xy^3 - 46y^4$	-2019		
$-6x^4 - 7x^3y - 14xy^3 + 24y^4$	-2022		
$-6x^4 + 7x^3y + 14xy^3 + 24y^4$	-2022		
$-3x^4 - x^3y + 42x^2y^2 - 110xy^3 + 96y^4$	-2022		
$-3x^4 + x^3y + 42x^2y^2 + 110xy^3 + 96y^4$	-2022		
$3x^4 - x^3y - 42x^2y^2 - 110xy^3 - 96y^4$	-2022		
$3x^4 + x^3y - 42x^2y^2 + 110xy^3 - 96y^4$	-2022		
$6x^4 - 7x^3y - 14xy^3 - 24y^4$	-2022		
$6x^4 + 7x^3y + 14xy^3 - 24y^4$	-2022		
$-13x^4 - x^3y + xy^3 + 13y^4$	-2025		
$-13x^4 + x^3y - xy^3 + 13y^4$	-2025		
$13x^4 - x^3y + xy^3 - 13y^4$	-2025		
$13x^4 + x^3y - xy^3 - 13y^4$	-2025		
$-12x^4 - 16x^3y + 18x^2y^2 - 22xy^3 + 9y^4$	-2028		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-12x^4 + 16x^3y + 18x^2y^2 + 22xy^3 + 9y^4$	-2028		
$-9x^4 - 14x^3y - 6x^2y^2 + 10xy^3 + 23y^4$	-2028		
$-9x^4 + 14x^3y - 6x^2y^2 - 10xy^3 + 23y^4$	-2028		
$-5x^4 - 4x^3y + 42x^2y^2 - 76xy^3 + 48y^4$	-2028		
$-5x^4 + 4x^3y + 42x^2y^2 + 76xy^3 + 48y^4$	-2028		
$-3x^4 - 5x^3y - 20xy^3 + 48y^4$	-2028		
$-3x^4 - 4x^3y + 24x^2y^2 + 92xy^3 + 103y^4$	-2028		(2, -1)
$-3x^4 + 4x^3y + 24x^2y^2 - 92xy^3 + 103y^4$	-2028		(2, 1)
$-3x^4 + 5x^3y + 20xy^3 + 48y^4$	-2028		
$-x^4 + 169y^4$	-2028		(1, 0)
$x^4 - 169y^4$	-2028	(1, 0)	
$3x^4 - 5x^3y - 20xy^3 - 48y^4$	-2028		
$3x^4 - 4x^3y - 24x^2y^2 + 92xy^3 - 103y^4$	-2028	(2, 1)	
$3x^4 + 4x^3y - 24x^2y^2 - 92xy^3 - 103y^4$	-2028	(2, -1)	
$3x^4 + 5x^3y + 20xy^3 - 48y^4$	-2028		
$5x^4 - 4x^3y - 42x^2y^2 - 76xy^3 - 48y^4$	-2028		
$5x^4 + 4x^3y - 42x^2y^2 + 76xy^3 - 48y^4$	-2028		
$9x^4 - 14x^3y + 6x^2y^2 + 10xy^3 - 23y^4$	-2028		
$9x^4 + 14x^3y + 6x^2y^2 - 10xy^3 - 23y^4$	-2028		
$12x^4 - 16x^3y - 18x^2y^2 - 22xy^3 - 9y^4$	-2028		
$12x^4 + 16x^3y - 18x^2y^2 + 22xy^3 - 9y^4$	-2028		
$-13x^4 - x^3y - xy^3 + 13y^4$	-2031		
$-13x^4 + x^3y + xy^3 + 13y^4$	-2031		
$13x^4 - x^3y - xy^3 - 13y^4$	-2031		
$13x^4 + x^3y + xy^3 - 13y^4$	-2031		
$-17x^4 + 10y^4$	-2040		
$-13x^4 - 2x^3y - 2xy^3 + 13y^4$	-2040		
$-13x^4 + 2x^3y + 2xy^3 + 13y^4$	-2040		
$-11x^4 - 14x^3y - 14xy^3 + 11y^4$	-2040		
$-11x^4 + 14x^3y + 14xy^3 + 11y^4$	-2040		
$-10x^4 + 17y^4$	-2040		
$-7x^4 - 6x^3y + 24x^2y^2 + 60xy^3 + 44y^4$	-2040		
$-7x^4 + 6x^3y + 24x^2y^2 - 60xy^3 + 44y^4$	-2040		
$-5x^4 + 34y^4$	-2040		
$-2x^4 + 85y^4$	-2040		
$-x^4 + 170y^4$	-2040		(1, 0)
$-x^4 + 2x^3y + 252x^2y^2 - 2476xy^3 + 6700y^4$	-2040	(7, 1)	(1, 0)
$-x^4 + 2x^3y + 252x^2y^2 + 1970xy^3 + 4477y^4$	-2040	(6, -1)	(1, 0)
$x^4 - 170y^4$	-2040	(1, 0)	

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$x^4 + 2x^3y - 252x^2y^2 - 2476xy^3 - 6700y^4$	-2040	(1, 0)	(7, -1)
$x^4 + 2x^3y - 252x^2y^2 + 1970xy^3 - 4477y^4$	-2040	(1, 0)	(6, 1)
$2x^4 - 85y^4$	-2040		
$5x^4 - 34y^4$	-2040		
$7x^4 - 6x^3y - 24x^2y^2 + 60xy^3 - 44y^4$	-2040		
$7x^4 + 6x^3y - 24x^2y^2 - 60xy^3 - 44y^4$	-2040		
$10x^4 - 17y^4$	-2040		
$11x^4 - 14x^3y - 14xy^3 - 11y^4$	-2040		
$11x^4 + 14x^3y + 14xy^3 - 11y^4$	-2040		
$13x^4 - 2x^3y - 2xy^3 - 13y^4$	-2040		
$13x^4 + 2x^3y + 2xy^3 - 13y^4$	-2040		
$17x^4 - 10y^4$	-2040		
$-7x^4 - 9x^3y + 15x^2y^2 - 28xy^3 + 18y^4$	-2043		
$-7x^4 + 9x^3y + 15x^2y^2 + 28xy^3 + 18y^4$	-2043		
$-6x^4 + 12x^3y - 9x^2y^2 + 3xy^3 + 28y^4$	-2043		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 85y^4$	-2043		
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 85y^4$	-2043		
$6x^4 + 12x^3y + 9x^2y^2 + 3xy^3 - 28y^4$	-2043		
$7x^4 - 9x^3y - 15x^2y^2 - 28xy^3 - 18y^4$	-2043		
$7x^4 + 9x^3y - 15x^2y^2 + 28xy^3 - 18y^4$	-2043		
$-16x^4 - 12x^3y - 9xy^3 + 9y^4$	-2052		
$-16x^4 + 12x^3y + 9xy^3 + 9y^4$	-2052		
$-9x^4 - 9x^3y - 12xy^3 + 16y^4$	-2052		
$-9x^4 + 19y^4$	-2052		
$-9x^4 + 9x^3y + 12xy^3 + 16y^4$	-2052		
$-6x^4 - 4x^3y + 18x^2y^2 - 36xy^3 + 27y^4$	-2052		(1, 1)
$-6x^4 + 4x^3y + 18x^2y^2 + 36xy^3 + 27y^4$	-2052		(1, -1)
$-x^4 - x^3y + 3x^2y^2 + 41xy^3 + 182y^4$	-2052		(1, 0)
$-x^4 + 171y^4$	-2052		(1, 0)
$-x^4 + x^3y + 3x^2y^2 - 41xy^3 + 182y^4$	-2052		(1, 0)
$x^4 - x^3y - 3x^2y^2 + 41xy^3 - 182y^4$	-2052	(1, 0)	
$x^4 - 171y^4$	-2052	(1, 0)	
$x^4 + x^3y - 3x^2y^2 - 41xy^3 - 182y^4$	-2052	(1, 0)	
$6x^4 - 4x^3y - 18x^2y^2 - 36xy^3 - 27y^4$	-2052	(1, -1)	
$6x^4 + 4x^3y - 18x^2y^2 + 36xy^3 - 27y^4$	-2052	(1, 1)	
$9x^4 - 9x^3y - 12xy^3 - 16y^4$	-2052		
$9x^4 - 19y^4$	-2052		
$9x^4 + 9x^3y + 12xy^3 - 16y^4$	-2052		
$16x^4 - 12x^3y - 9xy^3 - 9y^4$	-2052		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$16x^4 + 12x^3y + 9xy^3 - 9y^4$	-2052		
$-13x^4 - 3x^3y - 3xy^3 + 13y^4$	-2055		
$-13x^4 + 3x^3y + 3xy^3 + 13y^4$	-2055		
$-9x^4 - 17x^3y + 3x^2y^2 + 40xy^3 + 38y^4$	-2055		
$-9x^4 + 17x^3y + 3x^2y^2 - 40xy^3 + 38y^4$	-2055		
$9x^4 - 17x^3y - 3x^2y^2 + 40xy^3 - 38y^4$	-2055		
$9x^4 + 17x^3y - 3x^2y^2 - 40xy^3 - 38y^4$	-2055		
$13x^4 - 3x^3y - 3xy^3 - 13y^4$	-2055		
$13x^4 + 3x^3y + 3xy^3 - 13y^4$	-2055		
$-11x^4 - 19x^3y + 9x^2y^2 - 19xy^3 + 8y^4$	-2058		
$-11x^4 + 19x^3y + 9x^2y^2 + 19xy^3 + 8y^4$	-2058		
$-8x^4 - 13x^3y + 26xy^3 + 32y^4$	-2058		
$-8x^4 + 13x^3y - 26xy^3 + 32y^4$	-2058		
$8x^4 - 13x^3y + 26xy^3 - 32y^4$	-2058		
$8x^4 + 13x^3y - 26xy^3 - 32y^4$	-2058		
$11x^4 - 19x^3y - 9x^2y^2 - 19xy^3 - 8y^4$	-2058		
$11x^4 + 19x^3y - 9x^2y^2 + 19xy^3 - 8y^4$	-2058		
$-17x^4 - 27x^3y - 15x^2y^2 + 2xy^3 + 12y^4$	-2061		
$-17x^4 + 27x^3y - 15x^2y^2 - 2xy^3 + 12y^4$	-2061		
$-12x^4 - 2x^3y + 15x^2y^2 + 27xy^3 + 17y^4$	-2061		
$-12x^4 + 2x^3y + 15x^2y^2 - 27xy^3 + 17y^4$	-2061		
$-5x^4 - x^3y + 63x^2y^2 + 150xy^3 + 108y^4$	-2061		
$-5x^4 + x^3y + 63x^2y^2 - 150xy^3 + 108y^4$	-2061		
$-3x^4 - x^3y + 15x^2y^2 + 54xy^3 + 68y^4$	-2061		
$-3x^4 + x^3y + 15x^2y^2 - 54xy^3 + 68y^4$	-2061		
$3x^4 - x^3y - 15x^2y^2 + 54xy^3 - 68y^4$	-2061		
$3x^4 + x^3y - 15x^2y^2 - 54xy^3 - 68y^4$	-2061		
$5x^4 - x^3y - 63x^2y^2 + 150xy^3 - 108y^4$	-2061		
$5x^4 + x^3y - 63x^2y^2 - 150xy^3 - 108y^4$	-2061		
$12x^4 - 2x^3y - 15x^2y^2 + 27xy^3 - 17y^4$	-2061		
$12x^4 + 2x^3y - 15x^2y^2 - 27xy^3 - 17y^4$	-2061		
$17x^4 - 27x^3y + 15x^2y^2 + 2xy^3 - 12y^4$	-2061		
$17x^4 + 27x^3y + 15x^2y^2 - 2xy^3 - 12y^4$	-2061		
$-8x^4 + 16x^3y - 12x^2y^2 + 4xy^3 + 21y^4$	-2064		
$-5x^4 - 8x^3y + 6x^2y^2 + 40xy^3 + 51y^4$	-2064		
$-5x^4 + 8x^3y + 6x^2y^2 - 40xy^3 + 51y^4$	-2064		
$-4x^4 + 43y^4$	-2064		
$-x^4 + 172y^4$	-2064		(1, 0)
$x^4 - 172y^4$	-2064	(1, 0)	

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$4x^4 - 43y^4$	-2064		
$5x^4 - 8x^3y - 6x^2y^2 + 40xy^3 - 51y^4$	-2064		
$5x^4 + 8x^3y - 6x^2y^2 - 40xy^3 - 51y^4$	-2064		
$8x^4 + 16x^3y + 12x^2y^2 + 4xy^3 - 21y^4$	-2064		
$-10x^4 - 17x^3y - 17xy^3 + 10y^4$	-2067		
$-10x^4 + 17x^3y + 17xy^3 + 10y^4$	-2067		
$-9x^4 - 11x^3y + 30x^2y^2 + 77xy^3 + 51y^4$	-2067		
$-9x^4 + 11x^3y + 30x^2y^2 - 77xy^3 + 51y^4$	-2067		
$-6x^4 - 4x^3y + 15x^2y^2 + 43xy^3 + 39y^4$	-2067		
$-6x^4 + 4x^3y + 15x^2y^2 - 43xy^3 + 39y^4$	-2067		
$-5x^4 - 7x^3y + 48x^2y^2 + 149xy^3 + 125y^4$	-2067		
$-5x^4 + 7x^3y + 48x^2y^2 - 149xy^3 + 125y^4$	-2067		
$-4x^4 - 7x^3y + 54x^2y^2 + 197xy^3 + 190y^4$	-2067		
$-4x^4 + 7x^3y + 54x^2y^2 - 197xy^3 + 190y^4$	-2067		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 86y^4$	-2067		
$-x^4 - x^3y - 13xy^3 + 169y^4$	-2067		(1, 0)
$-x^4 + x^3y + 13xy^3 + 169y^4$	-2067		(1, 0)
$x^4 - x^3y - 13xy^3 - 169y^4$	-2067	(1, 0)	
$x^4 + x^3y + 13xy^3 - 169y^4$	-2067	(1, 0)	
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 86y^4$	-2067		
$4x^4 - 7x^3y - 54x^2y^2 + 197xy^3 - 190y^4$	-2067		
$4x^4 + 7x^3y - 54x^2y^2 - 197xy^3 - 190y^4$	-2067		
$5x^4 - 7x^3y - 48x^2y^2 + 149xy^3 - 125y^4$	-2067		
$5x^4 + 7x^3y - 48x^2y^2 - 149xy^3 - 125y^4$	-2067		
$6x^4 - 4x^3y - 15x^2y^2 + 43xy^3 - 39y^4$	-2067		
$6x^4 + 4x^3y - 15x^2y^2 - 43xy^3 - 39y^4$	-2067		
$9x^4 - 11x^3y - 30x^2y^2 + 77xy^3 - 51y^4$	-2067		
$9x^4 + 11x^3y - 30x^2y^2 - 77xy^3 - 51y^4$	-2067		
$10x^4 - 17x^3y - 17xy^3 - 10y^4$	-2067		
$10x^4 + 17x^3y + 17xy^3 - 10y^4$	-2067		
$-14x^4 - 15x^3y - 6x^2y^2 - 2xy^3 + 12y^4$	-2070		
$-14x^4 + 15x^3y - 6x^2y^2 + 2xy^3 + 12y^4$	-2070		
$-12x^4 - 2x^3y + 6x^2y^2 - 15xy^3 + 14y^4$	-2070		
$-12x^4 + 2x^3y + 6x^2y^2 + 15xy^3 + 14y^4$	-2070		
$-10x^4 - 11x^3y + 9x^2y^2 + 33xy^3 + 27y^4$	-2070		
$-10x^4 + 11x^3y + 9x^2y^2 - 33xy^3 + 27y^4$	-2070		
$-4x^4 - 6x^3y + 60x^2y^2 - 115xy^3 + 75y^4$	-2070		
$-4x^4 + 6x^3y + 60x^2y^2 + 115xy^3 + 75y^4$	-2070		
$-3x^4 - x^3y + 6x^2y^2 - 30xy^3 + 56y^4$	-2070		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-3x^4 + x^3y + 6x^2y^2 + 30xy^3 + 56y^4$	-2070	(1, 0)	(1, 0)
$-x^4 - x^3y + 63x^2y^2 + 355xy^3 + 592y^4$	-2070		
$-x^4 + x^3y + 63x^2y^2 - 355xy^3 + 592y^4$	-2070		
$x^4 - x^3y - 63x^2y^2 + 355xy^3 - 592y^4$	-2070		
$x^4 + x^3y - 63x^2y^2 - 355xy^3 - 592y^4$	-2070		
$3x^4 - x^3y - 6x^2y^2 - 30xy^3 - 56y^4$	-2070		
$3x^4 + x^3y - 6x^2y^2 + 30xy^3 - 56y^4$	-2070		
$4x^4 - 6x^3y - 60x^2y^2 - 115xy^3 - 75y^4$	-2070		
$4x^4 + 6x^3y - 60x^2y^2 + 115xy^3 - 75y^4$	-2070		
$10x^4 - 11x^3y - 9x^2y^2 + 33xy^3 - 27y^4$	-2070		
$10x^4 + 11x^3y - 9x^2y^2 - 33xy^3 - 27y^4$	-2070		
$12x^4 - 2x^3y - 6x^2y^2 - 15xy^3 - 14y^4$	-2070		
$12x^4 + 2x^3y - 6x^2y^2 + 15xy^3 - 14y^4$	-2070		
$14x^4 - 15x^3y + 6x^2y^2 - 2xy^3 - 12y^4$	-2070		
$14x^4 + 15x^3y + 6x^2y^2 + 2xy^3 - 12y^4$	-2070		
$-13x^4 - 4x^3y - 4xy^3 + 13y^4$	-2076		
$-13x^4 + 4x^3y + 4xy^3 + 13y^4$	-2076		
$-4x^4 + 8x^3y - 6x^2y^2 + 2xy^3 + 43y^4$	-2076		
$-x^4 + 173y^4$	-2076		
$x^4 - 173y^4$	-2076	(1, 0)	(1, 0)
$4x^4 + 8x^3y + 6x^2y^2 + 2xy^3 - 43y^4$	-2076		
$13x^4 - 4x^3y - 4xy^3 - 13y^4$	-2076		
$13x^4 + 4x^3y + 4xy^3 - 13y^4$	-2076		
$-6x^4 - 8x^3y - 3x^2y^2 - 9xy^3 + 26y^4$	-2079		
$-6x^4 + 8x^3y - 3x^2y^2 + 9xy^3 + 26y^4$	-2079		
$6x^4 - 8x^3y + 3x^2y^2 - 9xy^3 - 26y^4$	-2079		
$6x^4 + 8x^3y + 3x^2y^2 + 9xy^3 - 26y^4$	-2079		
$-13x^4 - 9x^3y + 6x^2y^2 - 15xy^3 + 11y^4$	-2085		
$-13x^4 + 9x^3y + 6x^2y^2 + 15xy^3 + 11y^4$	-2085		
$-11x^4 - 15x^3y - 6x^2y^2 - 9xy^3 + 13y^4$	-2085		
$-11x^4 + 15x^3y - 6x^2y^2 + 9xy^3 + 13y^4$	-2085		
$-7x^4 - x^3y + 45x^2y^2 + 86xy^3 + 52y^4$	-2085		
$-7x^4 + x^3y + 45x^2y^2 - 86xy^3 + 52y^4$	-2085		
$-5x^4 - x^3y + 27x^2y^2 - 58xy^3 + 44y^4$	-2085		
$-5x^4 + x^3y + 27x^2y^2 + 58xy^3 + 44y^4$	-2085		
$5x^4 - x^3y - 27x^2y^2 - 58xy^3 - 44y^4$	-2085		
$5x^4 + x^3y - 27x^2y^2 + 58xy^3 - 44y^4$	-2085		
$7x^4 - x^3y - 45x^2y^2 + 86xy^3 - 52y^4$	-2085		
$7x^4 + x^3y - 45x^2y^2 - 86xy^3 - 52y^4$	-2085		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$11x^4 - 15x^3y + 6x^2y^2 - 9xy^3 - 13y^4$	-2085	(1, 0)	(1, 0)
$11x^4 + 15x^3y + 6x^2y^2 + 9xy^3 - 13y^4$	-2085		
$13x^4 - 9x^3y - 6x^2y^2 - 15xy^3 - 11y^4$	-2085		
$13x^4 + 9x^3y - 6x^2y^2 + 15xy^3 - 11y^4$	-2085		
$-12x^4 - 20x^3y + 30xy^3 + 27y^4$	-2088		
$-12x^4 + 20x^3y - 30xy^3 + 27y^4$	-2088		
$-6x^4 + 29y^4$	-2088		
$-5x^4 - 2x^3y + 36x^2y^2 + 86xy^3 + 65y^4$	-2088		
$-5x^4 + 2x^3y + 36x^2y^2 - 86xy^3 + 65y^4$	-2088		
$-3x^4 - 2x^3y + 12x^2y^2 - 42xy^3 + 55y^4$	-2088		
$-3x^4 + 58y^4$	-2088		
$-3x^4 + 2x^3y + 12x^2y^2 + 42xy^3 + 55y^4$	-2088		
$-2x^4 + 87y^4$	-2088		
$-x^4 + 174y^4$	-2088		
$x^4 - 174y^4$	-2088		
$2x^4 - 87y^4$	-2088		
$3x^4 - 2x^3y - 12x^2y^2 - 42xy^3 - 55y^4$	-2088		
$3x^4 - 58y^4$	-2088		
$3x^4 + 2x^3y - 12x^2y^2 + 42xy^3 - 55y^4$	-2088		
$5x^4 - 2x^3y - 36x^2y^2 + 86xy^3 - 65y^4$	-2088		
$5x^4 + 2x^3y - 36x^2y^2 - 86xy^3 - 65y^4$	-2088		
$6x^4 - 29y^4$	-2088		
$12x^4 - 20x^3y + 30xy^3 - 27y^4$	-2088		
$12x^4 + 20x^3y - 30xy^3 - 27y^4$	-2088		
$-12x^4 - 11x^3y - 11xy^3 + 12y^4$	-2091		
$-12x^4 + 11x^3y + 11xy^3 + 12y^4$	-2091		
$-8x^4 - 11x^3y + 15x^2y^2 + 52xy^3 + 42y^4$	-2091		
$-8x^4 + 11x^3y + 15x^2y^2 - 52xy^3 + 42y^4$	-2091		
$-3x^4 - 5x^3y + 84x^2y^2 - 209xy^3 + 167y^4$	-2091		
$-3x^4 + 5x^3y + 84x^2y^2 + 209xy^3 + 167y^4$	-2091		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 87y^4$	-2091		
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 87y^4$	-2091		
$3x^4 - 5x^3y - 84x^2y^2 - 209xy^3 - 167y^4$	-2091		
$3x^4 + 5x^3y - 84x^2y^2 + 209xy^3 - 167y^4$	-2091		
$8x^4 - 11x^3y - 15x^2y^2 + 52xy^3 - 42y^4$	-2091		
$8x^4 + 11x^3y - 15x^2y^2 - 52xy^3 - 42y^4$	-2091		
$12x^4 - 11x^3y - 11xy^3 - 12y^4$	-2091		
$12x^4 + 11x^3y + 11xy^3 - 12y^4$	-2091		
$-7x^4 + 25y^4$	-2100		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-4x^4 - 7x^3y + 3x^2y^2 - 25xy^3 + 33y^4$	-2100	(1, 0)	(1, 0)
$-4x^4 + 7x^3y + 3x^2y^2 + 25xy^3 + 33y^4$	-2100		
$-x^4 + 175y^4$	-2100		
$x^4 - 175y^4$	-2100		
$4x^4 - 7x^3y - 3x^2y^2 - 25xy^3 - 33y^4$	-2100		
$4x^4 + 7x^3y - 3x^2y^2 + 25xy^3 - 33y^4$	-2100		
$7x^4 - 25y^4$	-2100		
$-13x^4 - 5x^3y - 5xy^3 + 13y^4$	-2103		
$-13x^4 + 5x^3y + 5xy^3 + 13y^4$	-2103		
$13x^4 - 5x^3y - 5xy^3 - 13y^4$	-2103		
$13x^4 + 5x^3y + 5xy^3 - 13y^4$	-2103	(1, 0)	(1, 0)
$-14x^4 - 9x^3y + 9xy^3 + 14y^4$	-2109		
$-14x^4 + 9x^3y - 9xy^3 + 14y^4$	-2109		
$14x^4 - 9x^3y + 9xy^3 - 14y^4$	-2109		
$14x^4 + 9x^3y - 9xy^3 - 14y^4$	-2109		
$-16x^4 + 11y^4$	-2112		
$-15x^4 - 14x^3y + 14xy^3 + 15y^4$	-2112		
$-15x^4 + 14x^3y - 14xy^3 + 15y^4$	-2112		
$-11x^4 + 16y^4$	-2112		
$-x^4 + 176y^4$	-2112		
$x^4 - 176y^4$	-2112	(1, 0)	(1, 0)
$11x^4 - 16y^4$	-2112		
$15x^4 - 14x^3y + 14xy^3 - 15y^4$	-2112		
$15x^4 + 14x^3y - 14xy^3 - 15y^4$	-2112		
$16x^4 - 11y^4$	-2112		
$-10x^4 - 12x^3y - 3x^2y^2 + 11xy^3 + 21y^4$	-2115		
$-10x^4 + 12x^3y - 3x^2y^2 - 11xy^3 + 21y^4$	-2115		
$-10x^4 + 20x^3y - 15x^2y^2 + 5xy^3 + 17y^4$	-2115		
$-6x^4 + 12x^3y - 9x^2y^2 + 3xy^3 + 29y^4$	-2115		(2, 1) (1, -1)
$-4x^4 - x^3y + 66x^2y^2 + 179xy^3 + 146y^4$	-2115		
$-4x^4 + x^3y + 66x^2y^2 - 179xy^3 + 146y^4$	-2115		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 88y^4$	-2115		
$-x^4 - x^3y + 45x^2y^2 + 244xy^3 + 406y^4$	-2115		
$-x^4 + x^3y + 45x^2y^2 - 244xy^3 + 406y^4$	-2115		
$x^4 - x^3y - 45x^2y^2 + 244xy^3 - 406y^4$	-2115		
$x^4 + x^3y - 45x^2y^2 - 244xy^3 - 406y^4$	-2115		
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 88y^4$	-2115		
$4x^4 - x^3y - 66x^2y^2 + 179xy^3 - 146y^4$	-2115		
$4x^4 + x^3y - 66x^2y^2 - 179xy^3 - 146y^4$	-2115	(1, 0)	(1, 0)
		(1, 0)	

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$6x^4 + 12x^3y + 9x^2y^2 + 3xy^3 - 29y^4$	-2115	$(2, -1) \ (1, 1)$	
$10x^4 - 12x^3y + 3x^2y^2 + 11xy^3 - 21y^4$	-2115		
$10x^4 + 12x^3y + 3x^2y^2 - 11xy^3 - 21y^4$	-2115		
$10x^4 + 20x^3y + 15x^2y^2 + 5xy^3 - 17y^4$	-2115		
$-11x^4 - 21x^3y - 3x^2y^2 - 17xy^3 + 8y^4$	-2118		
$-11x^4 + 21x^3y - 3x^2y^2 + 17xy^3 + 8y^4$	-2118		
$-8x^4 - 15x^3y + 6x^2y^2 + 46xy^3 + 44y^4$	-2118		
$-8x^4 + 15x^3y + 6x^2y^2 - 46xy^3 + 44y^4$	-2118		
$-4x^4 - x^3y + 21x^2y^2 + 59xy^3 + 57y^4$	-2118		
$-4x^4 + x^3y + 21x^2y^2 - 59xy^3 + 57y^4$	-2118		
$4x^4 - x^3y - 21x^2y^2 + 59xy^3 - 57y^4$	-2118		
$4x^4 + x^3y - 21x^2y^2 - 59xy^3 - 57y^4$	-2118		
$8x^4 - 15x^3y - 6x^2y^2 + 46xy^3 - 44y^4$	-2118		
$8x^4 + 15x^3y - 6x^2y^2 - 46xy^3 - 44y^4$	-2118		
$11x^4 - 21x^3y + 3x^2y^2 - 17xy^3 - 8y^4$	-2118		
$11x^4 + 21x^3y + 3x^2y^2 + 17xy^3 - 8y^4$	-2118		
$-16x^4 - 16x^3y - 6x^2y^2 - xy^3 + 11y^4$	-2124		
$-16x^4 + 16x^3y - 6x^2y^2 + xy^3 + 11y^4$	-2124		
$-11x^4 - x^3y + 6x^2y^2 - 16xy^3 + 16y^4$	-2124		
$-11x^4 + x^3y + 6x^2y^2 + 16xy^3 + 16y^4$	-2124		
$-5x^4 - 8x^3y + 24xy^3 + 45y^4$	-2124		
$-5x^4 + 8x^3y - 24xy^3 + 45y^4$	-2124		
$-3x^4 + 59y^4$	-2124		
$-x^4 + 177y^4$	-2124		
$x^4 - 177y^4$	-2124		
$3x^4 - 59y^4$	-2124		
$5x^4 - 8x^3y + 24xy^3 - 45y^4$	-2124		
$5x^4 + 8x^3y - 24xy^3 - 45y^4$	-2124		
$11x^4 - x^3y - 6x^2y^2 - 16xy^3 - 16y^4$	-2124		
$11x^4 + x^3y - 6x^2y^2 + 16xy^3 - 16y^4$	-2124		
$16x^4 - 16x^3y + 6x^2y^2 - xy^3 - 11y^4$	-2124		
$16x^4 + 16x^3y + 6x^2y^2 + xy^3 - 11y^4$	-2124		
$-11x^4 - 15x^3y - 15xy^3 + 11y^4$	-2127		
$-11x^4 + 15x^3y + 15xy^3 + 11y^4$	-2127		
$11x^4 - 15x^3y - 15xy^3 - 11y^4$	-2127		
$11x^4 + 15x^3y + 15xy^3 - 11y^4$	-2127		
$-15x^4 - x^3y + 9x^2y^2 - 17xy^3 + 12y^4$	-2130		
$-15x^4 + x^3y + 9x^2y^2 + 17xy^3 + 12y^4$	-2130		
$-12x^4 - 17x^3y - 9x^2y^2 - xy^3 + 15y^4$	-2130		
		$(1, 0)$	
		$(1, 0)$	

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-12x^4 + 17x^3y - 9x^2y^2 + xy^3 + 15y^4$	-2130		
$-3x^4 - 5x^3y + 33x^2y^2 + 131xy^3 + 144y^4$	-2130		
$-3x^4 + 5x^3y + 33x^2y^2 - 131xy^3 + 144y^4$	-2130		
$3x^4 - 5x^3y - 33x^2y^2 + 131xy^3 - 144y^4$	-2130		
$3x^4 + 5x^3y - 33x^2y^2 - 131xy^3 - 144y^4$	-2130		
$12x^4 - 17x^3y + 9x^2y^2 - xy^3 - 15y^4$	-2130		
$12x^4 + 17x^3y + 9x^2y^2 + xy^3 - 15y^4$	-2130		
$15x^4 - x^3y - 9x^2y^2 - 17xy^3 - 12y^4$	-2130		
$15x^4 + x^3y - 9x^2y^2 + 17xy^3 - 12y^4$	-2130		
$-17x^4 - 25x^3y - 12x^2y^2 + 5xy^3 + 13y^4$	-2133		
$-17x^4 + 25x^3y - 12x^2y^2 - 5xy^3 + 13y^4$	-2133		
$-13x^4 - 5x^3y + 12x^2y^2 + 25xy^3 + 17y^4$	-2133		
$-13x^4 + 5x^3y + 12x^2y^2 - 25xy^3 + 17y^4$	-2133		
$-4x^4 - 6x^3y + 81x^2y^2 - 171xy^3 + 117y^4$	-2133		
$-4x^4 + 6x^3y + 81x^2y^2 + 171xy^3 + 117y^4$	-2133		
$-x^4 - x^3y + 84x^2y^2 + 509xy^3 + 893y^4$	-2133		(1, 0)
$-x^4 + x^3y + 84x^2y^2 - 509xy^3 + 893y^4$	-2133		(1, 0)
$x^4 - x^3y - 84x^2y^2 + 509xy^3 - 893y^4$	-2133	(1, 0)	
$x^4 + x^3y - 84x^2y^2 - 509xy^3 - 893y^4$	-2133	(1, 0)	
$4x^4 - 6x^3y - 81x^2y^2 - 171xy^3 - 117y^4$	-2133		
$4x^4 + 6x^3y - 81x^2y^2 + 171xy^3 - 117y^4$	-2133		
$13x^4 - 5x^3y - 12x^2y^2 + 25xy^3 - 17y^4$	-2133		
$13x^4 + 5x^3y - 12x^2y^2 - 25xy^3 - 17y^4$	-2133		
$17x^4 - 25x^3y + 12x^2y^2 + 5xy^3 - 13y^4$	-2133		
$17x^4 + 25x^3y + 12x^2y^2 - 5xy^3 - 13y^4$	-2133		
$-17x^4 - 30x^3y - 12x^2y^2 - 14xy^3 + 5y^4$	-2136		
$-17x^4 + 30x^3y - 12x^2y^2 + 14xy^3 + 5y^4$	-2136		
$-15x^4 - 19x^3y - 9x^2y^2 - xy^3 + 12y^4$	-2136		
$-15x^4 + 19x^3y - 9x^2y^2 + xy^3 + 12y^4$	-2136		
$-13x^4 - 6x^3y - 6xy^3 + 13y^4$	-2136		
$-13x^4 + 6x^3y + 6xy^3 + 13y^4$	-2136		
$-12x^4 - x^3y + 9x^2y^2 - 19xy^3 + 15y^4$	-2136		
$-12x^4 + x^3y + 9x^2y^2 + 19xy^3 + 15y^4$	-2136		
$-8x^4 - 5x^3y + 3x^2y^2 + 17xy^3 + 25y^4$	-2136		
$-8x^4 + 5x^3y + 3x^2y^2 - 17xy^3 + 25y^4$	-2136		
$-7x^4 - 6x^3y + 12xy^3 + 28y^4$	-2136		
$-7x^4 - 4x^3y + 6x^2y^2 - 20xy^3 + 23y^4$	-2136		
$-7x^4 + 4x^3y + 6x^2y^2 + 20xy^3 + 23y^4$	-2136		
$-7x^4 + 6x^3y - 12xy^3 + 28y^4$	-2136		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-5x^4 - 6x^3y + 24x^2y^2 + 76xy^3 + 68y^4$	-2136		
$-5x^4 + 6x^3y + 24x^2y^2 - 76xy^3 + 68y^4$	-2136		
$-3x^4 - 2x^3y + 84x^2y^2 - 242xy^3 + 215y^4$	-2136		
$-3x^4 + 2x^3y + 84x^2y^2 + 242xy^3 + 215y^4$	-2136		
$-2x^4 + 89y^4$	-2136		
$-2x^4 + 24x^2y^2 - 88xy^3 + 113y^4$	-2136	(2, 1)	
$-2x^4 + 24x^2y^2 + 88xy^3 + 113y^4$	-2136	(2, -1)	
$-x^4 + 178y^4$	-2136		(1, 0)
$x^4 - 178y^4$	-2136	(1, 0)	
$2x^4 - 24x^2y^2 - 88xy^3 - 113y^4$	-2136		(2, -1)
$2x^4 - 24x^2y^2 + 88xy^3 - 113y^4$	-2136		(2, 1)
$2x^4 - 89y^4$	-2136		
$3x^4 - 2x^3y - 84x^2y^2 - 242xy^3 - 215y^4$	-2136		
$3x^4 + 2x^3y - 84x^2y^2 + 242xy^3 - 215y^4$	-2136		
$5x^4 - 6x^3y - 24x^2y^2 + 76xy^3 - 68y^4$	-2136		
$5x^4 + 6x^3y - 24x^2y^2 - 76xy^3 - 68y^4$	-2136		
$7x^4 - 6x^3y + 12xy^3 - 28y^4$	-2136		
$7x^4 - 4x^3y - 6x^2y^2 - 20xy^3 - 23y^4$	-2136		
$7x^4 + 4x^3y - 6x^2y^2 + 20xy^3 - 23y^4$	-2136		
$7x^4 + 6x^3y - 12xy^3 - 28y^4$	-2136		
$8x^4 - 5x^3y - 3x^2y^2 + 17xy^3 - 25y^4$	-2136		
$8x^4 + 5x^3y - 3x^2y^2 - 17xy^3 - 25y^4$	-2136		
$12x^4 - x^3y - 9x^2y^2 - 19xy^3 - 15y^4$	-2136		
$12x^4 + x^3y - 9x^2y^2 + 19xy^3 - 15y^4$	-2136		
$13x^4 - 6x^3y - 6xy^3 - 13y^4$	-2136		
$13x^4 + 6x^3y + 6xy^3 - 13y^4$	-2136		
$15x^4 - 19x^3y + 9x^2y^2 - xy^3 - 12y^4$	-2136		
$15x^4 + 19x^3y + 9x^2y^2 + xy^3 - 12y^4$	-2136		
$17x^4 - 30x^3y + 12x^2y^2 - 14xy^3 - 5y^4$	-2136		
$17x^4 + 30x^3y + 12x^2y^2 + 14xy^3 - 5y^4$	-2136		
$-6x^4 - x^3y + 18x^2y^2 + 43xy^3 + 36y^4$	-2139		
$-6x^4 + x^3y + 18x^2y^2 - 43xy^3 + 36y^4$	-2139		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 89y^4$	-2139		
$-x^4 - x^3y + 267x^2y^2 + 2540xy^3 + 6754y^4$	-2139		(7, -1) (1, 0)
$-x^4 + x^3y + 267x^2y^2 - 2540xy^3 + 6754y^4$	-2139		(7, 1) (1, 0)
$x^4 - x^3y - 267x^2y^2 + 2540xy^3 - 6754y^4$	-2139	(7, 1) (1, 0)	
$x^4 + x^3y - 267x^2y^2 - 2540xy^3 - 6754y^4$	-2139	(7, -1) (1, 0)	
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 89y^4$	-2139		
$6x^4 - x^3y - 18x^2y^2 + 43xy^3 - 36y^4$	-2139		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$6x^4 + x^3y - 18x^2y^2 - 43xy^3 - 36y^4$	-2139	(1, 0)	(1, 0)
$-17x^4 - 21x^3y + 21xy^3 + 17y^4$	-2145		
$-17x^4 + 21x^3y - 21xy^3 + 17y^4$	-2145		
$17x^4 - 21x^3y + 21xy^3 - 17y^4$	-2145		
$17x^4 + 21x^3y - 21xy^3 - 17y^4$	-2145		
$-x^4 + 179y^4$	-2148		
$x^4 - 179y^4$	-2148		
$-8x^4 - 9x^3y + 21x^2y^2 - 32xy^3 + 18y^4$	-2151		
$-8x^4 + 9x^3y + 21x^2y^2 + 32xy^3 + 18y^4$	-2151		
$8x^4 - 9x^3y - 21x^2y^2 - 32xy^3 - 18y^4$	-2151		
$8x^4 + 9x^3y - 21x^2y^2 + 32xy^3 - 18y^4$	-2151		
$-10x^4 - 19x^3y + 3x^2y^2 - 19xy^3 + 9y^4$	-2154		
$-10x^4 + 19x^3y + 3x^2y^2 + 19xy^3 + 9y^4$	-2154		
$-9x^4 - 17x^3y + 34xy^3 + 36y^4$	-2154		
$-9x^4 + 17x^3y - 34xy^3 + 36y^4$	-2154		
$9x^4 - 17x^3y + 34xy^3 - 36y^4$	-2154		
$9x^4 + 17x^3y - 34xy^3 - 36y^4$	-2154		
$10x^4 - 19x^3y - 3x^2y^2 - 19xy^3 - 9y^4$	-2154		
$10x^4 + 19x^3y - 3x^2y^2 + 19xy^3 - 9y^4$	-2154		
$-9x^4 + 20y^4$	-2160		
$-7x^4 - 3x^3y + 6x^2y^2 - 20xy^3 + 24y^4$	-2160		
$-7x^4 + 3x^3y + 6x^2y^2 + 20xy^3 + 24y^4$	-2160		
$-5x^4 + 36y^4$	-2160		
$-4x^4 + 45y^4$	-2160		
$-x^4 + 180y^4$	-2160		
$x^4 - 180y^4$	-2160		
$4x^4 - 45y^4$	-2160		
$5x^4 - 36y^4$	-2160		
$7x^4 - 3x^3y - 6x^2y^2 - 20xy^3 - 24y^4$	-2160		
$7x^4 + 3x^3y - 6x^2y^2 + 20xy^3 - 24y^4$	-2160		
$9x^4 - 20y^4$	-2160		
$-14x^4 + 28x^3y - 21x^2y^2 + 7xy^3 + 12y^4$	-2163		
$-12x^4 - 7x^3y + 21x^2y^2 - 28xy^3 + 14y^4$	-2163		
$-12x^4 + 7x^3y + 21x^2y^2 + 28xy^3 + 14y^4$	-2163		
$-2x^4 - 3x^3y + 21xy^3 + 98y^4$	-2163		
$-2x^4 + 3x^3y - 21xy^3 + 98y^4$	-2163		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 90y^4$	-2163		
$2x^4 - 3x^3y + 21xy^3 - 98y^4$	-2163		
$2x^4 + 3x^3y - 21xy^3 - 98y^4$	-2163		
		(1, 0)	(1, 0)

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 90y^4$	-2163		
$12x^4 - 7x^3y - 21x^2y^2 - 28xy^3 - 14y^4$	-2163		
$12x^4 + 7x^3y - 21x^2y^2 + 28xy^3 - 14y^4$	-2163		
$14x^4 + 28x^3y + 21x^2y^2 + 7xy^3 - 12y^4$	-2163		
$-3x^4 - 5x^3y + 33x^2y^2 - 73xy^3 + 60y^4$	-2166		
$-3x^4 + 5x^3y + 33x^2y^2 + 73xy^3 + 60y^4$	-2166		
$3x^4 - 5x^3y - 33x^2y^2 - 73xy^3 - 60y^4$	-2166		
$3x^4 + 5x^3y - 33x^2y^2 + 73xy^3 - 60y^4$	-2166		
$-16x^4 - 18x^3y - 3x^2y^2 + 13xy^3 + 15y^4$	-2169	(1, -1)	
$-16x^4 + 18x^3y - 3x^2y^2 - 13xy^3 + 15y^4$	-2169	(1, 1)	
$-15x^4 - 13x^3y + 3x^2y^2 + 18xy^3 + 16y^4$	-2169		(1, -1)
$-15x^4 + 13x^3y + 3x^2y^2 - 18xy^3 + 16y^4$	-2169		(1, 1)
$-10x^4 - 9x^3y + 6x^2y^2 + 25xy^3 + 24y^4$	-2169		
$-10x^4 + 9x^3y + 6x^2y^2 - 25xy^3 + 24y^4$	-2169		
$-4x^4 - 7x^3y - 21xy^3 + 36y^4$	-2169		
$-4x^4 - 6x^3y + 87x^2y^2 + 323xy^3 + 324y^4$	-2169		
$-4x^4 + 6x^3y + 87x^2y^2 - 323xy^3 + 324y^4$	-2169		
$-4x^4 + 7x^3y + 21xy^3 + 36y^4$	-2169		
$-x^4 - x^3y + 90x^2y^2 - 467xy^3 + 739y^4$	-2169		(1, 0)
$-x^4 - x^3y + 360x^2y^2 - 3567xy^3 + 10089y^4$	-2169		(1, 0)
$-x^4 + x^3y + 90x^2y^2 + 467xy^3 + 739y^4$	-2169		(1, 0)
$-x^4 + x^3y + 360x^2y^2 + 3567xy^3 + 10089y^4$	-2169		(1, 0)
$x^4 - x^3y - 360x^2y^2 - 3567xy^3 - 10089y^4$	-2169	(1, 0)	
$x^4 - x^3y - 90x^2y^2 - 467xy^3 - 739y^4$	-2169	(1, 0)	
$x^4 + x^3y - 360x^2y^2 + 3567xy^3 - 10089y^4$	-2169	(1, 0)	
$x^4 + x^3y - 90x^2y^2 + 467xy^3 - 739y^4$	-2169	(1, 0)	
$4x^4 - 7x^3y - 21xy^3 - 36y^4$	-2169		
$4x^4 - 6x^3y - 87x^2y^2 + 323xy^3 - 324y^4$	-2169		
$4x^4 + 6x^3y - 87x^2y^2 - 323xy^3 - 324y^4$	-2169		
$4x^4 + 7x^3y + 21xy^3 - 36y^4$	-2169		
$10x^4 - 9x^3y - 6x^2y^2 + 25xy^3 - 24y^4$	-2169		
$10x^4 + 9x^3y - 6x^2y^2 - 25xy^3 - 24y^4$	-2169		
$15x^4 - 13x^3y - 3x^2y^2 + 18xy^3 - 16y^4$	-2169	(1, 1)	
$15x^4 + 13x^3y - 3x^2y^2 - 18xy^3 - 16y^4$	-2169	(1, -1)	
$16x^4 - 18x^3y + 3x^2y^2 + 13xy^3 - 15y^4$	-2169		(1, 1)
$16x^4 + 18x^3y + 3x^2y^2 - 13xy^3 - 15y^4$	-2169		(1, -1)
$-9x^4 - 16x^3y + 6x^2y^2 + 44xy^3 + 40y^4$	-2172		
$-9x^4 + 16x^3y + 6x^2y^2 - 44xy^3 + 40y^4$	-2172		
$-4x^4 + 8x^3y - 6x^2y^2 + 2xy^3 + 45y^4$	-2172		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-x^4 + 181y^4$	-2172	(1, 0)	(1, 0)
$x^4 - 181y^4$	-2172		
$4x^4 + 8x^3y + 6x^2y^2 + 2xy^3 - 45y^4$	-2172		
$9x^4 - 16x^3y - 6x^2y^2 + 44xy^3 - 40y^4$	-2172		
$9x^4 + 16x^3y - 6x^2y^2 - 44xy^3 - 40y^4$	-2172		
$-14x^4 - 8x^3y + 9x^2y^2 - 17xy^3 + 11y^4$	-2175		
$-14x^4 + 8x^3y + 9x^2y^2 + 17xy^3 + 11y^4$	-2175		
$-13x^4 - 7x^3y - 7xy^3 + 13y^4$	-2175		
$-13x^4 + 7x^3y + 7xy^3 + 13y^4$	-2175		
$-11x^4 - 17x^3y - 9x^2y^2 - 8xy^3 + 14y^4$	-2175		
$-11x^4 + 17x^3y - 9x^2y^2 + 8xy^3 + 14y^4$	-2175		
$-7x^4 - 5x^3y + 27x^2y^2 + 64xy^3 + 46y^4$	-2175		
$-7x^4 + 5x^3y + 27x^2y^2 - 64xy^3 + 46y^4$	-2175		
$-6x^4 - 8x^3y + 21x^2y^2 - 37xy^3 + 24y^4$	-2175		
$-6x^4 - 8x^3y + 45x^2y^2 - 67xy^3 + 36y^4$	-2175		
$-6x^4 - 7x^3y + 6x^2y^2 - 23xy^3 + 24y^4$	-2175		
$-6x^4 + 7x^3y + 6x^2y^2 + 23xy^3 + 24y^4$	-2175		
$-6x^4 + 8x^3y + 21x^2y^2 + 37xy^3 + 24y^4$	-2175		
$-6x^4 + 8x^3y + 45x^2y^2 + 67xy^3 + 36y^4$	-2175		
$-2x^4 + 3x^2y^2 - 27xy^3 + 91y^4$	-2175		
$-2x^4 + 3x^2y^2 + 27xy^3 + 91y^4$	-2175		
$-x^4 - x^3y + 54x^2y^2 + 299xy^3 + 499y^4$	-2175	(1, 0)	(1, 0)
$-x^4 + x^3y + 54x^2y^2 - 299xy^3 + 499y^4$	-2175		(1, 0)
$x^4 - x^3y - 54x^2y^2 + 299xy^3 - 499y^4$	-2175	(1, 0)	
$x^4 + x^3y - 54x^2y^2 - 299xy^3 - 499y^4$	-2175	(1, 0)	
$2x^4 - 3x^2y^2 - 27xy^3 - 91y^4$	-2175		
$2x^4 - 3x^2y^2 + 27xy^3 - 91y^4$	-2175		
$6x^4 - 8x^3y - 45x^2y^2 - 67xy^3 - 36y^4$	-2175		
$6x^4 - 8x^3y - 21x^2y^2 - 37xy^3 - 24y^4$	-2175		
$6x^4 - 7x^3y - 6x^2y^2 - 23xy^3 - 24y^4$	-2175		
$6x^4 + 7x^3y - 6x^2y^2 + 23xy^3 - 24y^4$	-2175		
$6x^4 + 8x^3y - 45x^2y^2 + 67xy^3 - 36y^4$	-2175		
$6x^4 + 8x^3y - 21x^2y^2 + 37xy^3 - 24y^4$	-2175		
$7x^4 - 5x^3y - 27x^2y^2 + 64xy^3 - 46y^4$	-2175		
$7x^4 + 5x^3y - 27x^2y^2 - 64xy^3 - 46y^4$	-2175		
$11x^4 - 17x^3y + 9x^2y^2 - 8xy^3 - 14y^4$	-2175		
$11x^4 + 17x^3y + 9x^2y^2 + 8xy^3 - 14y^4$	-2175		
$13x^4 - 7x^3y - 7xy^3 - 13y^4$	-2175		
$13x^4 + 7x^3y + 7xy^3 - 13y^4$	-2175		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$14x^4 - 8x^3y - 9x^2y^2 - 17xy^3 - 11y^4$	-2175		
$14x^4 + 8x^3y - 9x^2y^2 + 17xy^3 - 11y^4$	-2175		
$-17x^4 - 21x^3y - 9x^2y^2 + 3xy^3 + 12y^4$	-2178		
$-17x^4 + 21x^3y - 9x^2y^2 - 3xy^3 + 12y^4$	-2178		
$-12x^4 - 3x^3y + 9x^2y^2 + 21xy^3 + 17y^4$	-2178		
$-12x^4 + 3x^3y + 9x^2y^2 - 21xy^3 + 17y^4$	-2178		
$-8x^4 - 10x^3y - 15xy^3 + 18y^4$	-2178		
$-8x^4 + 10x^3y + 15xy^3 + 18y^4$	-2178		
$-2x^4 - 3x^3y + 3x^2y^2 + 37xy^3 + 105y^4$	-2178		
$-2x^4 + 3x^3y + 3x^2y^2 - 37xy^3 + 105y^4$	-2178		
$-x^4 - x^3y + 111x^2y^2 - 625xy^3 + 1052y^4$	-2178		(1, 0)
$-x^4 + x^3y + 111x^2y^2 + 625xy^3 + 1052y^4$	-2178		(1, 0)
$x^4 - x^3y - 111x^2y^2 - 625xy^3 - 1052y^4$	-2178	(1, 0)	
$x^4 + x^3y - 111x^2y^2 + 625xy^3 - 1052y^4$	-2178	(1, 0)	
$2x^4 - 3x^3y - 3x^2y^2 + 37xy^3 - 105y^4$	-2178		
$2x^4 + 3x^3y - 3x^2y^2 - 37xy^3 - 105y^4$	-2178		
$8x^4 - 10x^3y - 15xy^3 - 18y^4$	-2178		
$8x^4 + 10x^3y + 15xy^3 - 18y^4$	-2178		
$12x^4 - 3x^3y - 9x^2y^2 + 21xy^3 - 17y^4$	-2178		
$12x^4 + 3x^3y - 9x^2y^2 - 21xy^3 - 17y^4$	-2178		
$17x^4 - 21x^3y + 9x^2y^2 + 3xy^3 - 12y^4$	-2178		
$17x^4 + 21x^3y + 9x^2y^2 - 3xy^3 - 12y^4$	-2178		
$-14x^4 + 13y^4$	-2184		(1, 1) (1, -1)
$-13x^4 + 14y^4$	-2184	(1, 1) (1, -1)	
$-7x^4 + 26y^4$	-2184		
$-4x^4 - 4x^3y + 14xy^3 + 49y^4$	-2184		
$-4x^4 + 4x^3y - 14xy^3 + 49y^4$	-2184		
$-2x^4 + 91y^4$	-2184		
$-x^4 + 182y^4$	-2184		(1, 0)
$-x^4 + 2x^3y - 28xy^3 + 196y^4$	-2184		(1, 0)
$-x^4 + 2x^3y + 26xy^3 + 169y^4$	-2184		(1, 0)
$x^4 - 182y^4$	-2184	(1, 0)	
$x^4 + 2x^3y - 28xy^3 - 196y^4$	-2184	(1, 0)	
$x^4 + 2x^3y + 26xy^3 - 169y^4$	-2184	(1, 0)	
$2x^4 - 91y^4$	-2184		
$4x^4 - 4x^3y + 14xy^3 - 49y^4$	-2184		
$4x^4 + 4x^3y - 14xy^3 - 49y^4$	-2184		
$7x^4 - 26y^4$	-2184		
$13x^4 - 14y^4$	-2184		(1, 1) (1, -1)

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$14x^4 - 13y^4$	-2184	(1, 1) (1, -1)	
$-10x^4 - 4x^3y + 21x^2y^2 + 41xy^3 + 26y^4$	-2187		
$-10x^4 + 4x^3y + 21x^2y^2 - 41xy^3 + 26y^4$	-2187		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 91y^4$	-2187		
$-x^4 - x^3y + 30x^2y^2 + 167xy^3 + 299y^4$	-2187		(1, 0)
$-x^4 + x^3y + 30x^2y^2 - 167xy^3 + 299y^4$	-2187		(1, 0)
$x^4 - x^3y - 30x^2y^2 + 167xy^3 - 299y^4$	-2187	(1, 0)	
$x^4 + x^3y - 30x^2y^2 - 167xy^3 - 299y^4$	-2187	(1, 0)	
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 91y^4$	-2187		
$10x^4 - 4x^3y - 21x^2y^2 + 41xy^3 - 26y^4$	-2187		
$10x^4 + 4x^3y - 21x^2y^2 - 41xy^3 - 26y^4$	-2187		
$-16x^4 - 14x^3y - 3x^2y^2 + 7xy^3 + 13y^4$	-2193	(1, -1)	
$-16x^4 + 14x^3y - 3x^2y^2 - 7xy^3 + 13y^4$	-2193	(1, 1)	
$-15x^4 - 13x^3y + 13xy^3 + 15y^4$	-2193		
$-15x^4 + 13x^3y - 13xy^3 + 15y^4$	-2193		
$-13x^4 - 7x^3y + 3x^2y^2 + 14xy^3 + 16y^4$	-2193		(1, -1)
$-13x^4 + 7x^3y + 3x^2y^2 - 14xy^3 + 16y^4$	-2193		(1, 1)
$-4x^4 - 7x^3y - 3x^2y^2 + 14xy^3 + 52y^4$	-2193		
$-4x^4 - 2x^3y + 9x^2y^2 + 37xy^3 + 52y^4$	-2193		
$-4x^4 + 2x^3y + 9x^2y^2 - 37xy^3 + 52y^4$	-2193		
$-4x^4 + 7x^3y - 3x^2y^2 - 14xy^3 + 52y^4$	-2193		
$-x^4 - x^3y + 9x^2y^2 + 74xy^3 + 208y^4$	-2193		(1, 0)
$-x^4 + x^3y + 9x^2y^2 - 74xy^3 + 208y^4$	-2193		(1, 0)
$x^4 - x^3y - 9x^2y^2 + 74xy^3 - 208y^4$	-2193	(1, 0)	
$x^4 + x^3y - 9x^2y^2 - 74xy^3 - 208y^4$	-2193	(1, 0)	
$4x^4 - 7x^3y + 3x^2y^2 + 14xy^3 - 52y^4$	-2193		
$4x^4 - 2x^3y - 9x^2y^2 + 37xy^3 - 52y^4$	-2193		
$4x^4 + 2x^3y - 9x^2y^2 - 37xy^3 - 52y^4$	-2193		
$4x^4 + 7x^3y + 3x^2y^2 - 14xy^3 - 52y^4$	-2193		
$13x^4 - 7x^3y - 3x^2y^2 + 14xy^3 - 16y^4$	-2193	(1, 1)	
$13x^4 + 7x^3y - 3x^2y^2 - 14xy^3 - 16y^4$	-2193	(1, -1)	
$15x^4 - 13x^3y + 13xy^3 - 15y^4$	-2193		
$15x^4 + 13x^3y - 13xy^3 - 15y^4$	-2193		
$16x^4 - 14x^3y + 3x^2y^2 + 7xy^3 - 13y^4$	-2193		(1, 1)
$16x^4 + 14x^3y + 3x^2y^2 - 7xy^3 - 13y^4$	-2193		(1, -1)
$-12x^4 - 20x^3y + 18x^2y^2 + 66xy^3 + 45y^4$	-2196		
$-12x^4 + 20x^3y + 18x^2y^2 - 66xy^3 + 45y^4$	-2196		
$-8x^4 - 3x^3y + 39x^2y^2 - 61xy^3 + 33y^4$	-2196		
$-8x^4 + 3x^3y + 39x^2y^2 + 61xy^3 + 33y^4$	-2196		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-5x^4 - 2x^3y + 18x^2y^2 + 50xy^3 + 47y^4$	-2196	(1, 0)	(1, 0)
$-5x^4 + 2x^3y + 18x^2y^2 - 50xy^3 + 47y^4$	-2196		
$-3x^4 - 2x^3y + 30x^2y^2 - 78xy^3 + 73y^4$	-2196		
$-3x^4 + 61y^4$	-2196		
$-3x^4 + 54x^2y^2 - 156xy^3 + 142y^4$	-2196		
$-3x^4 + 54x^2y^2 + 156xy^3 + 142y^4$	-2196		
$-3x^4 + 2x^3y + 30x^2y^2 + 78xy^3 + 73y^4$	-2196		
$-2x^4 + 4x^3y + 6x^2y^2 - 56xy^3 + 121y^4$	-2196		
$-2x^4 + 4x^3y + 6x^2y^2 + 40xy^3 + 73y^4$	-2196		
$-x^4 + 183y^4$	-2196		
$x^4 - 183y^4$	-2196		
$2x^4 + 4x^3y - 6x^2y^2 - 56xy^3 - 121y^4$	-2196		
$2x^4 + 4x^3y - 6x^2y^2 + 40xy^3 - 73y^4$	-2196		
$3x^4 - 2x^3y - 30x^2y^2 - 78xy^3 - 73y^4$	-2196		
$3x^4 - 54x^2y^2 - 156xy^3 - 142y^4$	-2196		
$3x^4 - 54x^2y^2 + 156xy^3 - 142y^4$	-2196		
$3x^4 - 61y^4$	-2196		
$3x^4 + 2x^3y - 30x^2y^2 + 78xy^3 - 73y^4$	-2196		
$5x^4 - 2x^3y - 18x^2y^2 + 50xy^3 - 47y^4$	-2196		
$5x^4 + 2x^3y - 18x^2y^2 - 50xy^3 - 47y^4$	-2196		
$8x^4 - 3x^3y - 39x^2y^2 - 61xy^3 - 33y^4$	-2196		
$8x^4 + 3x^3y - 39x^2y^2 + 61xy^3 - 33y^4$	-2196		
$12x^4 - 20x^3y - 18x^2y^2 + 66xy^3 - 45y^4$	-2196		
$12x^4 + 20x^3y - 18x^2y^2 - 66xy^3 - 45y^4$	-2196		
$-x^4 - x^3y + 273x^2y^2 + 2624xy^3 + 7050y^4$	-2199	(7, -1)	(1, 0)
$-x^4 + x^3y + 273x^2y^2 - 2624xy^3 + 7050y^4$	-2199	(7, 1)	(1, 0)
$x^4 - x^3y - 273x^2y^2 + 2624xy^3 - 7050y^4$	-2199	(1, 0)	(7, 1)
$x^4 + x^3y - 273x^2y^2 - 2624xy^3 - 7050y^4$	-2199	(1, 0)	(7, -1)
$-7x^4 - 5x^3y + 10xy^3 + 28y^4$	-2202		
$-7x^4 + 5x^3y - 10xy^3 + 28y^4$	-2202		
$7x^4 - 5x^3y + 10xy^3 - 28y^4$	-2202		
$7x^4 + 5x^3y - 10xy^3 - 28y^4$	-2202		
$-16x^4 - 17x^3y + 17xy^3 + 16y^4$	-2205		
$-16x^4 + 17x^3y - 17xy^3 + 16y^4$	-2205		
$-12x^4 - 22x^3y - 9x^2y^2 - 15xy^3 + 9y^4$	-2205		
$-12x^4 + 22x^3y - 9x^2y^2 + 15xy^3 + 9y^4$	-2205		
$-9x^4 - 15x^3y + 9x^2y^2 - 22xy^3 + 12y^4$	-2205		
$-9x^4 + 15x^3y + 9x^2y^2 + 22xy^3 + 12y^4$	-2205		
$-4x^4 - 6x^3y + 15x^2y^2 + 65xy^3 + 75y^4$	-2205		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-4x^4 + 6x^3y + 15x^2y^2 - 65xy^3 + 75y^4$	-2205		
$-3x^4 - x^3y + 6x^2y^2 + 33xy^3 + 65y^4$	-2205		
$-3x^4 + x^3y + 6x^2y^2 - 33xy^3 + 65y^4$	-2205		
$-x^4 - x^3y + 18x^2y^2 - 95xy^3 + 187y^4$	-2205		(1, 0)
$-x^4 + x^3y + 18x^2y^2 + 95xy^3 + 187y^4$	-2205		(1, 0)
$x^4 - x^3y - 18x^2y^2 - 95xy^3 - 187y^4$	-2205	(1, 0)	
$x^4 + x^3y - 18x^2y^2 + 95xy^3 - 187y^4$	-2205	(1, 0)	
$3x^4 - x^3y - 6x^2y^2 + 33xy^3 - 65y^4$	-2205		
$3x^4 + x^3y - 6x^2y^2 - 33xy^3 - 65y^4$	-2205		
$4x^4 - 6x^3y - 15x^2y^2 + 65xy^3 - 75y^4$	-2205		
$4x^4 + 6x^3y - 15x^2y^2 - 65xy^3 - 75y^4$	-2205		
$9x^4 - 15x^3y - 9x^2y^2 - 22xy^3 - 12y^4$	-2205		
$9x^4 + 15x^3y - 9x^2y^2 + 22xy^3 - 12y^4$	-2205		
$12x^4 - 22x^3y + 9x^2y^2 - 15xy^3 - 9y^4$	-2205		
$12x^4 + 22x^3y + 9x^2y^2 + 15xy^3 - 9y^4$	-2205		
$16x^4 - 17x^3y + 17xy^3 - 16y^4$	-2205		
$16x^4 + 17x^3y - 17xy^3 - 16y^4$	-2205		
$-13x^4 - 24x^3y - 6x^2y^2 - 16xy^3 + 7y^4$	-2208		(2, -1)
$-13x^4 + 24x^3y - 6x^2y^2 + 16xy^3 + 7y^4$	-2208		(2, 1)
$-8x^4 - 4x^3y + 6x^2y^2 - 19xy^3 + 21y^4$	-2208		
$-8x^4 + 23y^4$	-2208		
$-8x^4 + 4x^3y + 6x^2y^2 + 19xy^3 + 21y^4$	-2208		
$-7x^4 - 12x^3y + 12x^2y^2 + 56xy^3 + 52y^4$	-2208	(3, -2)	
$-7x^4 + 12x^3y + 12x^2y^2 - 56xy^3 + 52y^4$	-2208	(3, 2)	
$-4x^4 + 12x^2y^2 - 40xy^3 + 49y^4$	-2208		
$-4x^4 + 12x^2y^2 + 40xy^3 + 49y^4$	-2208		
$-3x^4 - 2x^3y + 24x^2y^2 + 82xy^3 + 91y^4$	-2208		
$-3x^4 + 2x^3y + 24x^2y^2 - 82xy^3 + 91y^4$	-2208		
$-x^4 + 184y^4$	-2208		(1, 0)
$-x^4 + 12x^2y^2 - 80xy^3 + 196y^4$	-2208		(1, 0)
$-x^4 + 12x^2y^2 + 80xy^3 + 196y^4$	-2208		(1, 0)
$-x^4 + 138x^2y^2 - 920xy^3 + 1771y^4$	-2208		(1, 0)
$-x^4 + 138x^2y^2 + 920xy^3 + 1771y^4$	-2208		(1, 0)
$x^4 - 138x^2y^2 - 920xy^3 - 1771y^4$	-2208	(1, 0)	
$x^4 - 138x^2y^2 + 920xy^3 - 1771y^4$	-2208	(1, 0)	
$x^4 - 12x^2y^2 - 80xy^3 - 196y^4$	-2208	(1, 0)	
$x^4 - 12x^2y^2 + 80xy^3 - 196y^4$	-2208	(1, 0)	
$x^4 - 184y^4$	-2208	(1, 0)	
$3x^4 - 2x^3y - 24x^2y^2 + 82xy^3 - 91y^4$	-2208		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$3x^4 + 2x^3y - 24x^2y^2 - 82xy^3 - 91y^4$	-2208		
$4x^4 - 12x^2y^2 - 40xy^3 - 49y^4$	-2208		
$4x^4 - 12x^2y^2 + 40xy^3 - 49y^4$	-2208		
$7x^4 - 12x^3y - 12x^2y^2 + 56xy^3 - 52y^4$	-2208		(3, 2)
$7x^4 + 12x^3y - 12x^2y^2 - 56xy^3 - 52y^4$	-2208		(3, -2)
$8x^4 - 4x^3y - 6x^2y^2 - 19xy^3 - 21y^4$	-2208		
$8x^4 - 23y^4$	-2208		
$8x^4 + 4x^3y - 6x^2y^2 + 19xy^3 - 21y^4$	-2208		
$13x^4 - 24x^3y + 6x^2y^2 - 16xy^3 - 7y^4$	-2208	(2, 1)	
$13x^4 + 24x^3y + 6x^2y^2 + 16xy^3 - 7y^4$	-2208	(2, -1)	
$-7x^4 - 11x^3y + 33x^2y^2 - 44xy^3 + 22y^4$	-2211		
$-7x^4 + 11x^3y + 33x^2y^2 + 44xy^3 + 22y^4$	-2211		
$-3x^4 - 5x^3y + 18x^2y^2 + 83xy^3 + 105y^4$	-2211		
$-3x^4 + 5x^3y + 18x^2y^2 - 83xy^3 + 105y^4$	-2211		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 92y^4$	-2211		
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 92y^4$	-2211		
$3x^4 - 5x^3y - 18x^2y^2 + 83xy^3 - 105y^4$	-2211		
$3x^4 + 5x^3y - 18x^2y^2 - 83xy^3 - 105y^4$	-2211		
$7x^4 - 11x^3y - 33x^2y^2 - 44xy^3 - 22y^4$	-2211		
$7x^4 + 11x^3y - 33x^2y^2 + 44xy^3 - 22y^4$	-2211		
$-5x^4 - 7x^3y + 9x^2y^2 + 45xy^3 + 54y^4$	-2214		
$-5x^4 + 7x^3y + 9x^2y^2 - 45xy^3 + 54y^4$	-2214		
$-x^4 - x^3y + 135x^2y^2 + 963xy^3 + 1944y^4$	-2214		(1, 0)
$-x^4 + x^3y + 135x^2y^2 - 963xy^3 + 1944y^4$	-2214		(1, 0)
$x^4 - x^3y - 135x^2y^2 + 963xy^3 - 1944y^4$	-2214	(1, 0)	
$x^4 + x^3y - 135x^2y^2 - 963xy^3 - 1944y^4$	-2214	(1, 0)	
$5x^4 - 7x^3y - 9x^2y^2 + 45xy^3 - 54y^4$	-2214		
$5x^4 + 7x^3y - 9x^2y^2 - 45xy^3 - 54y^4$	-2214		
$-13x^4 - 8x^3y - 8xy^3 + 13y^4$	-2220		
$-13x^4 + 8x^3y + 8xy^3 + 13y^4$	-2220		
$-11x^4 - 16x^3y - 16xy^3 + 11y^4$	-2220		
$-11x^4 + 16x^3y + 16xy^3 + 11y^4$	-2220		
$-5x^4 + 37y^4$	-2220		
$-2x^4 - 3x^3y + 21x^2y^2 - 69xy^3 + 85y^4$	-2220		
$-2x^4 - 3x^3y + 33x^2y^2 + 147xy^3 + 193y^4$	-2220		
$-2x^4 + 3x^3y + 21x^2y^2 + 69xy^3 + 85y^4$	-2220		
$-2x^4 + 3x^3y + 33x^2y^2 - 147xy^3 + 193y^4$	-2220		
$-x^4 - x^3y + 63x^2y^2 - 295xy^3 + 442y^4$	-2220		(1, 0)
$-x^4 + 185y^4$	-2220		(1, 0)

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-x^4 + x^3y + 63x^2y^2 + 295xy^3 + 442y^4$	-2220		(1, 0)
$x^4 - x^3y - 63x^2y^2 - 295xy^3 - 442y^4$	-2220	(1, 0)	
$x^4 - 185y^4$	-2220	(1, 0)	
$x^4 + x^3y - 63x^2y^2 + 295xy^3 - 442y^4$	-2220	(1, 0)	
$2x^4 - 3x^3y - 33x^2y^2 + 147xy^3 - 193y^4$	-2220		
$2x^4 - 3x^3y - 21x^2y^2 - 69xy^3 - 85y^4$	-2220		
$2x^4 + 3x^3y - 33x^2y^2 - 147xy^3 - 193y^4$	-2220		
$2x^4 + 3x^3y - 21x^2y^2 + 69xy^3 - 85y^4$	-2220		
$5x^4 - 37y^4$	-2220		
$11x^4 - 16x^3y - 16xy^3 - 11y^4$	-2220		
$11x^4 + 16x^3y + 16xy^3 - 11y^4$	-2220		
$13x^4 - 8x^3y - 8xy^3 - 13y^4$	-2220		
$13x^4 + 8x^3y + 8xy^3 - 13y^4$	-2220		
$-18x^4 - 32x^3y - 21x^2y^2 - 3xy^3 + 11y^4$	-2223		
$-18x^4 + 32x^3y - 21x^2y^2 + 3xy^3 + 11y^4$	-2223		
$-17x^4 - 23x^3y - 9x^2y^2 + 8xy^3 + 14y^4$	-2223		
$-17x^4 + 23x^3y - 9x^2y^2 - 8xy^3 + 14y^4$	-2223		
$-14x^4 - 8x^3y + 9x^2y^2 + 23xy^3 + 17y^4$	-2223		
$-14x^4 + 8x^3y + 9x^2y^2 - 23xy^3 + 17y^4$	-2223		
$-11x^4 - 3x^3y + 21x^2y^2 - 32xy^3 + 18y^4$	-2223		
$-11x^4 + 3x^3y + 21x^2y^2 + 32xy^3 + 18y^4$	-2223		
$-7x^4 - 13x^3y + 36x^2y^2 + 123xy^3 + 99y^4$	-2223		
$-7x^4 + 13x^3y + 36x^2y^2 - 123xy^3 + 99y^4$	-2223		
$-3x^4 - x^3y + 120x^2y^2 - 417xy^3 + 427y^4$	-2223		
$-3x^4 + x^3y + 120x^2y^2 + 417xy^3 + 427y^4$	-2223		
$3x^4 - x^3y - 120x^2y^2 - 417xy^3 - 427y^4$	-2223		
$3x^4 + x^3y - 120x^2y^2 + 417xy^3 - 427y^4$	-2223		
$7x^4 - 13x^3y - 36x^2y^2 + 123xy^3 - 99y^4$	-2223		
$7x^4 + 13x^3y - 36x^2y^2 - 123xy^3 - 99y^4$	-2223		
$11x^4 - 3x^3y - 21x^2y^2 - 32xy^3 - 18y^4$	-2223		
$11x^4 + 3x^3y - 21x^2y^2 + 32xy^3 - 18y^4$	-2223		
$14x^4 - 8x^3y - 9x^2y^2 + 23xy^3 - 17y^4$	-2223		
$14x^4 + 8x^3y - 9x^2y^2 - 23xy^3 - 17y^4$	-2223		
$17x^4 - 23x^3y + 9x^2y^2 + 8xy^3 - 14y^4$	-2223		
$17x^4 + 23x^3y + 9x^2y^2 - 8xy^3 - 14y^4$	-2223		
$18x^4 - 32x^3y + 21x^2y^2 - 3xy^3 - 11y^4$	-2223		
$18x^4 + 32x^3y + 21x^2y^2 + 3xy^3 - 11y^4$	-2223		
$-7x^4 - 5x^3y + 3x^2y^2 + 19xy^3 + 30y^4$	-2226		
$-7x^4 + 5x^3y + 3x^2y^2 - 19xy^3 + 30y^4$	-2226		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-3x^4 - x^3y + 45x^2y^2 - 121xy^3 + 108y^4$	-2226		
$-3x^4 + x^3y + 45x^2y^2 + 121xy^3 + 108y^4$	-2226		
$3x^4 - x^3y - 45x^2y^2 - 121xy^3 - 108y^4$	-2226		
$3x^4 + x^3y - 45x^2y^2 + 121xy^3 - 108y^4$	-2226		
$7x^4 - 5x^3y - 3x^2y^2 + 19xy^3 - 30y^4$	-2226		
$7x^4 + 5x^3y - 3x^2y^2 - 19xy^3 - 30y^4$	-2226		
$-9x^4 - 6x^3y + 36x^2y^2 + 74xy^3 + 45y^4$	-2232		
$-9x^4 + 6x^3y + 36x^2y^2 - 74xy^3 + 45y^4$	-2232		
$-6x^4 + 31y^4$	-2232		
$-4x^4 - 4x^3y + 36x^2y^2 - 74xy^3 + 55y^4$	-2232		
$-4x^4 + 4x^3y + 36x^2y^2 + 74xy^3 + 55y^4$	-2232		
$-3x^4 + 62y^4$	-2232		
$-2x^4 + 93y^4$	-2232		
$-x^4 + 186y^4$	-2232		(1, 0)
$-x^4 + 2x^3y + 36x^2y^2 - 222xy^3 + 405y^4$	-2232		(1, 0)
$-x^4 + 2x^3y + 36x^2y^2 + 148xy^3 + 220y^4$	-2232		(1, 0)
$x^4 - 186y^4$	-2232	(1, 0)	
$x^4 + 2x^3y - 36x^2y^2 - 222xy^3 - 405y^4$	-2232	(1, 0)	
$x^4 + 2x^3y - 36x^2y^2 + 148xy^3 - 220y^4$	-2232	(1, 0)	
$2x^4 - 93y^4$	-2232		
$3x^4 - 62y^4$	-2232		
$4x^4 - 4x^3y - 36x^2y^2 - 74xy^3 - 55y^4$	-2232		
$4x^4 + 4x^3y - 36x^2y^2 + 74xy^3 - 55y^4$	-2232		
$6x^4 - 31y^4$	-2232		
$9x^4 - 6x^3y - 36x^2y^2 + 74xy^3 - 45y^4$	-2232		
$9x^4 + 6x^3y - 36x^2y^2 - 74xy^3 - 45y^4$	-2232		
$-15x^4 - 11x^3y + 18x^2y^2 + 37xy^3 + 21y^4$	-2235		
$-15x^4 - 7x^3y + 12x^2y^2 - 19xy^3 + 11y^4$	-2235		
$-15x^4 + 7x^3y + 12x^2y^2 + 19xy^3 + 11y^4$	-2235		
$-15x^4 + 11x^3y + 18x^2y^2 - 37xy^3 + 21y^4$	-2235		
$-12x^4 - 13x^3y - 13xy^3 + 12y^4$	-2235		
$-12x^4 + 13x^3y + 13xy^3 + 12y^4$	-2235		
$-11x^4 - 19x^3y - 12x^2y^2 - 7xy^3 + 15y^4$	-2235		
$-11x^4 + 19x^3y - 12x^2y^2 + 7xy^3 + 15y^4$	-2235		
$-10x^4 + 20x^3y - 15x^2y^2 + 5xy^3 + 18y^4$	-2235		
$-2x^4 - 3x^3y + 135x^2y^2 - 540xy^3 + 650y^4$	-2235		
$-2x^4 + 3x^3y + 135x^2y^2 + 540xy^3 + 650y^4$	-2235		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 93y^4$	-2235		
$-2x^4 + 4x^3y + 105x^2y^2 - 569xy^3 + 837y^4$	-2235		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-2x^4 + 4x^3y + 105x^2y^2 + 355xy^3 + 375y^4$	-2235	(1, 0)	(1, 0)
$2x^4 - 3x^3y - 135x^2y^2 - 540xy^3 - 650y^4$	-2235		
$2x^4 + 3x^3y - 135x^2y^2 + 540xy^3 - 650y^4$	-2235		
$2x^4 + 4x^3y - 105x^2y^2 - 569xy^3 - 837y^4$	-2235		
$2x^4 + 4x^3y - 105x^2y^2 + 355xy^3 - 375y^4$	-2235		
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 93y^4$	-2235		
$10x^4 + 20x^3y + 15x^2y^2 + 5xy^3 - 18y^4$	-2235		
$11x^4 - 19x^3y + 12x^2y^2 - 7xy^3 - 15y^4$	-2235		
$11x^4 + 19x^3y + 12x^2y^2 + 7xy^3 - 15y^4$	-2235		
$12x^4 - 13x^3y - 13xy^3 - 12y^4$	-2235		
$12x^4 + 13x^3y + 13xy^3 - 12y^4$	-2235		
$15x^4 - 11x^3y - 18x^2y^2 + 37xy^3 - 21y^4$	-2235		
$15x^4 - 7x^3y - 12x^2y^2 - 19xy^3 - 11y^4$	-2235		
$15x^4 + 7x^3y - 12x^2y^2 + 19xy^3 - 11y^4$	-2235		
$15x^4 + 11x^3y - 18x^2y^2 - 37xy^3 - 21y^4$	-2235		
$-8x^4 - 6x^3y + 45x^2y^2 + 99xy^3 + 63y^4$	-2241		
$-8x^4 + 6x^3y + 45x^2y^2 - 99xy^3 + 63y^4$	-2241		
$-7x^4 - 5x^3y + 12x^2y^2 + 37xy^3 + 35y^4$	-2241		
$-7x^4 + 5x^3y + 12x^2y^2 - 37xy^3 + 35y^4$	-2241		
$-2x^4 - 3x^3y + 45x^2y^2 + 198xy^3 + 252y^4$	-2241		
$-2x^4 + 3x^3y + 45x^2y^2 - 198xy^3 + 252y^4$	-2241		
$2x^4 - 3x^3y - 45x^2y^2 + 198xy^3 - 252y^4$	-2241		
$2x^4 + 3x^3y - 45x^2y^2 - 198xy^3 - 252y^4$	-2241		
$7x^4 - 5x^3y - 12x^2y^2 + 37xy^3 - 35y^4$	-2241		
$7x^4 + 5x^3y - 12x^2y^2 - 37xy^3 - 35y^4$	-2241		
$8x^4 - 6x^3y - 45x^2y^2 + 99xy^3 - 63y^4$	-2241		
$8x^4 + 6x^3y - 45x^2y^2 - 99xy^3 - 63y^4$	-2241		
$-17x^4 + 11y^4$	-2244		
$-11x^4 + 17y^4$	-2244		
$-x^4 + 187y^4$	-2244		
$x^4 - 187y^4$	-2244		
$11x^4 - 17y^4$	-2244		
$17x^4 - 11y^4$	-2244		
$-2x^4 + 75x^2y^2 - 285xy^3 + 328y^4$	-2247		
$-2x^4 + 75x^2y^2 + 285xy^3 + 328y^4$	-2247		
$2x^4 - 75x^2y^2 - 285xy^3 - 328y^4$	-2247		
$2x^4 - 75x^2y^2 + 285xy^3 - 328y^4$	-2247		
$-8x^4 + 16x^3y - 12x^2y^2 + 4xy^3 + 23y^4$	-2256		
$-7x^4 - 4x^3y + 8xy^3 + 28y^4$	-2256		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-7x^4 + 4x^3y - 8xy^3 + 28y^4$	-2256	(1, 0)	(1, 0)
$-4x^4 + 47y^4$	-2256		
$-3x^4 - x^3y + 66x^2y^2 - 188xy^3 + 168y^4$	-2256		
$-3x^4 + x^3y + 66x^2y^2 + 188xy^3 + 168y^4$	-2256		
$-x^4 + 188y^4$	-2256		
$x^4 - 188y^4$	-2256		
$3x^4 - x^3y - 66x^2y^2 - 188xy^3 - 168y^4$	-2256		
$3x^4 + x^3y - 66x^2y^2 + 188xy^3 - 168y^4$	-2256		
$4x^4 - 47y^4$	-2256		
$7x^4 - 4x^3y + 8xy^3 - 28y^4$	-2256		
$7x^4 + 4x^3y - 8xy^3 - 28y^4$	-2256		
$8x^4 + 16x^3y + 12x^2y^2 + 4xy^3 - 23y^4$	-2256		
$-6x^4 + 12x^3y - 9x^2y^2 + 3xy^3 + 31y^4$	-2259	(2, 1) (1, -1)	(2, -1) (1, 1)
$-5x^4 - 7x^3y + 21xy^3 + 45y^4$	-2259		
$-5x^4 + 7x^3y - 21xy^3 + 45y^4$	-2259		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 94y^4$	-2259		
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 94y^4$	-2259		
$5x^4 - 7x^3y + 21xy^3 - 45y^4$	-2259		
$5x^4 + 7x^3y - 21xy^3 - 45y^4$	-2259		
$6x^4 + 12x^3y + 9x^2y^2 + 3xy^3 - 31y^4$	-2259		
$-16x^4 - 6x^3y + 15x^2y^2 - 21xy^3 + 11y^4$	-2265		
$-16x^4 + 6x^3y + 15x^2y^2 + 21xy^3 + 11y^4$	-2265		
$-11x^4 - 21x^3y - 15x^2y^2 - 6xy^3 + 16y^4$	-2265		
$-11x^4 + 21x^3y - 15x^2y^2 + 6xy^3 + 16y^4$	-2265		
$-4x^4 - 3x^3y + 15x^2y^2 - 42xy^3 + 44y^4$	-2265		
$-4x^4 + 3x^3y + 15x^2y^2 + 42xy^3 + 44y^4$	-2265		
$4x^4 - 3x^3y - 15x^2y^2 - 42xy^3 - 44y^4$	-2265		
$4x^4 + 3x^3y - 15x^2y^2 + 42xy^3 - 44y^4$	-2265		
$11x^4 - 21x^3y + 15x^2y^2 - 6xy^3 - 16y^4$	-2265		
$11x^4 + 21x^3y + 15x^2y^2 + 6xy^3 - 16y^4$	-2265		
$16x^4 - 6x^3y - 15x^2y^2 - 21xy^3 - 11y^4$	-2265		
$16x^4 + 6x^3y - 15x^2y^2 + 21xy^3 - 11y^4$	-2265		
$-17x^4 - 20x^3y + 20xy^3 + 17y^4$	-2268		
$-17x^4 + 20x^3y - 20xy^3 + 17y^4$	-2268		
$-8x^4 - 12x^3y - 6x^2y^2 - 8xy^3 + 21y^4$	-2268		
$-8x^4 + 12x^3y - 6x^2y^2 + 8xy^3 + 21y^4$	-2268		
$-7x^4 + 27y^4$	-2268		
$-5x^4 - 6x^3y + 54x^2y^2 + 162xy^3 + 135y^4$	-2268		
$-5x^4 + 6x^3y + 54x^2y^2 - 162xy^3 + 135y^4$	-2268		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-4x^4 + 8x^3y - 6x^2y^2 + 2xy^3 + 47y^4$	-2268	(1, 0)	(1, 0)
$-x^4 + 189y^4$	-2268		
$x^4 - 189y^4$	-2268		
$4x^4 + 8x^3y + 6x^2y^2 + 2xy^3 - 47y^4$	-2268		
$5x^4 - 6x^3y - 54x^2y^2 + 162xy^3 - 135y^4$	-2268		
$5x^4 + 6x^3y - 54x^2y^2 - 162xy^3 - 135y^4$	-2268		
$7x^4 - 27y^4$	-2268		
$8x^4 - 12x^3y + 6x^2y^2 - 8xy^3 - 21y^4$	-2268		
$8x^4 + 12x^3y + 6x^2y^2 + 8xy^3 - 21y^4$	-2268		
$17x^4 - 20x^3y + 20xy^3 - 17y^4$	-2268		
$17x^4 + 20x^3y - 20xy^3 - 17y^4$	-2268		
$-13x^4 - 9x^3y - 9xy^3 + 13y^4$	-2271		
$-13x^4 + 9x^3y + 9xy^3 + 13y^4$	-2271		
$13x^4 - 9x^3y - 9xy^3 - 13y^4$	-2271		
$13x^4 + 9x^3y + 9xy^3 - 13y^4$	-2271		
$-14x^4 - 5x^3y + 5xy^3 + 14y^4$	-2277		
$-14x^4 + 5x^3y - 5xy^3 + 14y^4$	-2277		
$-9x^4 - 3x^3y + 9x^2y^2 - 22xy^3 + 20y^4$	-2277		
$-9x^4 + 3x^3y + 9x^2y^2 + 22xy^3 + 20y^4$	-2277		
$-5x^4 - 9x^3y - 6x^2y^2 + xy^3 + 39y^4$	-2277		
$-5x^4 + 9x^3y - 6x^2y^2 - xy^3 + 39y^4$	-2277		
$-4x^4 - 2x^3y + 9x^2y^2 - 33xy^3 + 45y^4$	-2277		
$-4x^4 + 2x^3y + 9x^2y^2 + 33xy^3 + 45y^4$	-2277		
$-x^4 - x^3y + 9x^2y^2 - 66xy^3 + 180y^4$	-2277		
$-x^4 + x^3y + 9x^2y^2 + 66xy^3 + 180y^4$	-2277		
$x^4 - x^3y - 9x^2y^2 - 66xy^3 - 180y^4$	-2277		
$x^4 + x^3y - 9x^2y^2 + 66xy^3 - 180y^4$	-2277		
$4x^4 - 2x^3y - 9x^2y^2 - 33xy^3 - 45y^4$	-2277		
$4x^4 + 2x^3y - 9x^2y^2 + 33xy^3 - 45y^4$	-2277		
$5x^4 - 9x^3y + 6x^2y^2 + xy^3 - 39y^4$	-2277		
$5x^4 + 9x^3y + 6x^2y^2 - xy^3 - 39y^4$	-2277		
$9x^4 - 3x^3y - 9x^2y^2 - 22xy^3 - 20y^4$	-2277		
$9x^4 + 3x^3y - 9x^2y^2 + 22xy^3 - 20y^4$	-2277		
$14x^4 - 5x^3y + 5xy^3 - 14y^4$	-2277		
$14x^4 + 5x^3y - 5xy^3 - 14y^4$	-2277		
$-10x^4 + 19y^4$	-2280		
$-5x^4 + 38y^4$	-2280		
$-4x^4 - 4x^3y + 12x^2y^2 + 50xy^3 + 63y^4$	-2280		
$-4x^4 + 4x^3y + 12x^2y^2 - 50xy^3 + 63y^4$	-2280		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-2x^4 + 95y^4$	-2280		
$-x^4 + 190y^4$	-2280		(1, 0)
$-x^4 + 2x^3y + 12x^2y^2 - 100xy^3 + 252y^4$	-2280		(1, 0)
$-x^4 + 2x^3y + 12x^2y^2 + 74xy^3 + 165y^4$	-2280		(1, 0)
$x^4 - 190y^4$	-2280	(1, 0)	
$x^4 + 2x^3y - 12x^2y^2 - 100xy^3 - 252y^4$	-2280	(1, 0)	
$x^4 + 2x^3y - 12x^2y^2 + 74xy^3 - 165y^4$	-2280	(1, 0)	
$2x^4 - 95y^4$	-2280		
$4x^4 - 4x^3y - 12x^2y^2 + 50xy^3 - 63y^4$	-2280		
$4x^4 + 4x^3y - 12x^2y^2 - 50xy^3 - 63y^4$	-2280		
$5x^4 - 38y^4$	-2280		
$10x^4 - 19y^4$	-2280		
$-10x^4 - 19x^3y - 19xy^3 + 10y^4$	-2283		
$-10x^4 + 19x^3y + 19xy^3 + 10y^4$	-2283		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 95y^4$	-2283		
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 95y^4$	-2283		
$10x^4 - 19x^3y - 19xy^3 - 10y^4$	-2283		
$10x^4 + 19x^3y + 19xy^3 - 10y^4$	-2283		
$-4x^4 - 6x^3y + 27x^2y^2 + 99xy^3 + 100y^4$	-2289		
$-4x^4 + 6x^3y + 27x^2y^2 - 99xy^3 + 100y^4$	-2289		
$-x^4 - x^3y + 30x^2y^2 - 139xy^3 + 231y^4$	-2289		(1, 0)
$-x^4 + x^3y + 30x^2y^2 + 139xy^3 + 231y^4$	-2289		(1, 0)
$x^4 - x^3y - 30x^2y^2 - 139xy^3 - 231y^4$	-2289	(1, 0)	
$x^4 + x^3y - 30x^2y^2 + 139xy^3 - 231y^4$	-2289	(1, 0)	
$4x^4 - 6x^3y - 27x^2y^2 + 99xy^3 - 100y^4$	-2289		
$4x^4 + 6x^3y - 27x^2y^2 - 99xy^3 - 100y^4$	-2289		
$-x^4 + 191y^4$	-2292		(1, 0)
$x^4 - 191y^4$	-2292	(1, 0)	
$-14x^4 - 23x^3y - 12x^2y^2 - 11xy^3 + 10y^4$	-2295		
$-14x^4 + 23x^3y - 12x^2y^2 + 11xy^3 + 10y^4$	-2295		
$-10x^4 - 11x^3y + 12x^2y^2 - 23xy^3 + 14y^4$	-2295		
$-10x^4 + 11x^3y + 12x^2y^2 + 23xy^3 + 14y^4$	-2295		
$-9x^4 - 9x^3y + 15xy^3 + 25y^4$	-2295		
$-9x^4 + 9x^3y - 15xy^3 + 25y^4$	-2295		
$-6x^4 - 8x^3y - 3x^2y^2 + 9xy^3 + 35y^4$	-2295		
$-6x^4 + 8x^3y - 3x^2y^2 - 9xy^3 + 35y^4$	-2295		
$-2x^4 + 27x^2y^2 - 99xy^3 + 126y^4$	-2295		
$-2x^4 + 27x^2y^2 + 99xy^3 + 126y^4$	-2295		
$-x^4 - x^3y + 3x^2y^2 - 40xy^3 + 182y^4$	-2295		(1, 0)

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-x^4 - x^3y + 18x^2y^2 + 115xy^3 + 247y^4$	-2295		(1, 0)
$-x^4 + x^3y + 3x^2y^2 + 40xy^3 + 182y^4$	-2295		(1, 0)
$-x^4 + x^3y + 18x^2y^2 - 115xy^3 + 247y^4$	-2295		(1, 0)
$x^4 - x^3y - 18x^2y^2 + 115xy^3 - 247y^4$	-2295	(1, 0)	
$x^4 - x^3y - 3x^2y^2 - 40xy^3 - 182y^4$	-2295	(1, 0)	
$x^4 + x^3y - 18x^2y^2 - 115xy^3 - 247y^4$	-2295	(1, 0)	
$x^4 + x^3y - 3x^2y^2 + 40xy^3 - 182y^4$	-2295	(1, 0)	
$2x^4 - 27x^2y^2 - 99xy^3 - 126y^4$	-2295		
$2x^4 - 27x^2y^2 + 99xy^3 - 126y^4$	-2295		
$6x^4 - 8x^3y + 3x^2y^2 + 9xy^3 - 35y^4$	-2295		
$6x^4 + 8x^3y + 3x^2y^2 - 9xy^3 - 35y^4$	-2295		
$9x^4 - 9x^3y + 15xy^3 - 25y^4$	-2295		
$9x^4 + 9x^3y - 15xy^3 - 25y^4$	-2295		
$10x^4 - 11x^3y - 12x^2y^2 - 23xy^3 - 14y^4$	-2295		
$10x^4 + 11x^3y - 12x^2y^2 + 23xy^3 - 14y^4$	-2295		
$14x^4 - 23x^3y + 12x^2y^2 - 11xy^3 - 10y^4$	-2295		
$14x^4 + 23x^3y + 12x^2y^2 + 11xy^3 - 10y^4$	-2295		
$-7x^4 - 3x^3y + 6xy^3 + 28y^4$	-2298		
$-7x^4 + 3x^3y - 6xy^3 + 28y^4$	-2298		
$7x^4 - 3x^3y + 6xy^3 - 28y^4$	-2298		
$7x^4 + 3x^3y - 6xy^3 - 28y^4$	-2298		
$-16x^4 - 16x^3y - 12xy^3 + 9y^4$	-2304		
$-16x^4 + 24x^2y^2 - 32xy^3 + 15y^4$	-2304		
$-16x^4 + 24x^2y^2 + 32xy^3 + 15y^4$	-2304		
$-16x^4 + 16x^3y + 12xy^3 + 9y^4$	-2304		
$-16x^4 + 32x^3y - 24x^2y^2 + 8xy^3 + 11y^4$	-2304		
$-15x^4 - 28x^3y - 18x^2y^2 - 12xy^3 + 9y^4$	-2304		
$-15x^4 + 28x^3y - 18x^2y^2 + 12xy^3 + 9y^4$	-2304		
$-11x^4 - 8x^3y + 24x^2y^2 - 32xy^3 + 16y^4$	-2304		
$-11x^4 + 8x^3y + 24x^2y^2 + 32xy^3 + 16y^4$	-2304		
$-9x^4 - 12x^3y - 16xy^3 + 16y^4$	-2304		
$-9x^4 - 12x^3y + 18x^2y^2 - 28xy^3 + 15y^4$	-2304		
$-9x^4 + 12x^3y + 16xy^3 + 16y^4$	-2304		
$-9x^4 + 12x^3y + 18x^2y^2 + 28xy^3 + 15y^4$	-2304		
$-3x^4 + 64y^4$	-2304		
$-x^4 + 192y^4$	-2304		(1, 0)
$-x^4 + 6x^2y^2 - 56xy^3 + 195y^4$	-2304		(1, 0)
$-x^4 + 6x^2y^2 + 56xy^3 + 195y^4$	-2304		(1, 0)
$-x^4 + 24x^2y^2 - 128xy^3 + 240y^4$	-2304		(1, 0)

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-x^4 + 24x^2y^2 + 128xy^3 + 240y^4$	-2304		(1, 0)
$-x^4 + 72x^2y^2 - 384xy^3 + 624y^4$	-2304		(1, 0)
$-x^4 + 72x^2y^2 + 384xy^3 + 624y^4$	-2304		(1, 0)
$-x^4 + 288x^2y^2 - 2688xy^3 + 7104y^4$	-2304		(7, 1) (1, 0)
$-x^4 + 288x^2y^2 + 2688xy^3 + 7104y^4$	-2304		(7, -1) (1, 0)
$x^4 - 288x^2y^2 - 2688xy^3 - 7104y^4$	-2304	(7, -1) (1, 0)	
$x^4 - 288x^2y^2 + 2688xy^3 - 7104y^4$	-2304	(7, 1) (1, 0)	
$x^4 - 72x^2y^2 - 384xy^3 - 624y^4$	-2304	(1, 0)	
$x^4 - 72x^2y^2 + 384xy^3 - 624y^4$	-2304	(1, 0)	
$x^4 - 24x^2y^2 - 128xy^3 - 240y^4$	-2304	(1, 0)	
$x^4 - 24x^2y^2 + 128xy^3 - 240y^4$	-2304	(1, 0)	
$x^4 - 6x^2y^2 - 56xy^3 - 195y^4$	-2304	(1, 0)	
$x^4 - 6x^2y^2 + 56xy^3 - 195y^4$	-2304	(1, 0)	
$x^4 - 192y^4$	-2304	(1, 0)	
$3x^4 - 64y^4$	-2304		
$9x^4 - 12x^3y - 18x^2y^2 - 28xy^3 - 15y^4$	-2304		
$9x^4 - 12x^3y - 16xy^3 - 16y^4$	-2304		
$9x^4 + 12x^3y - 18x^2y^2 + 28xy^3 - 15y^4$	-2304		
$9x^4 + 12x^3y + 16xy^3 - 16y^4$	-2304		
$11x^4 - 8x^3y - 24x^2y^2 - 32xy^3 - 16y^4$	-2304		
$11x^4 + 8x^3y - 24x^2y^2 + 32xy^3 - 16y^4$	-2304		
$15x^4 - 28x^3y + 18x^2y^2 - 12xy^3 - 9y^4$	-2304		
$15x^4 + 28x^3y + 18x^2y^2 + 12xy^3 - 9y^4$	-2304		
$16x^4 - 16x^3y - 12xy^3 - 9y^4$	-2304		
$16x^4 - 24x^2y^2 - 32xy^3 - 15y^4$	-2304		
$16x^4 - 24x^2y^2 + 32xy^3 - 15y^4$	-2304		
$16x^4 + 16x^3y + 12xy^3 - 9y^4$	-2304		
$16x^4 + 32x^3y + 24x^2y^2 + 8xy^3 - 11y^4$	-2304		
$-6x^4 - x^3y + 39x^2y^2 - 76xy^3 + 50y^4$	-2307		
$-6x^4 + x^3y + 39x^2y^2 + 76xy^3 + 50y^4$	-2307		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 96y^4$	-2307		
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 96y^4$	-2307		
$6x^4 - x^3y - 39x^2y^2 - 76xy^3 - 50y^4$	-2307		
$6x^4 + x^3y - 39x^2y^2 + 76xy^3 - 50y^4$	-2307		
$-8x^4 - 6x^3y + 30x^2y^2 - 45xy^3 + 25y^4$	-2310		
$-8x^4 + 6x^3y + 30x^2y^2 + 45xy^3 + 25y^4$	-2310		
$-4x^4 - 3x^3y + 78x^2y^2 - 186xy^3 + 140y^4$	-2310		
$-4x^4 - 2x^3y + 7xy^3 + 49y^4$	-2310		
$-4x^4 + 2x^3y - 7xy^3 + 49y^4$	-2310		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-4x^4 + 3x^3y + 78x^2y^2 + 186xy^3 + 140y^4$	-2310	(1, 0)	(1, 0)
$-2x^4 - 3x^3y + 30x^2y^2 - 90xy^3 + 100y^4$	-2310		
$-2x^4 + 3x^3y + 30x^2y^2 + 90xy^3 + 100y^4$	-2310		
$-x^4 - x^3y + 14xy^3 + 196y^4$	-2310		
$-x^4 + x^3y - 14xy^3 + 196y^4$	-2310		
$x^4 - x^3y + 14xy^3 - 196y^4$	-2310		
$x^4 + x^3y - 14xy^3 - 196y^4$	-2310		
$2x^4 - 3x^3y - 30x^2y^2 - 90xy^3 - 100y^4$	-2310		
$2x^4 + 3x^3y - 30x^2y^2 + 90xy^3 - 100y^4$	-2310		
$4x^4 - 3x^3y - 78x^2y^2 - 186xy^3 - 140y^4$	-2310		
$4x^4 - 2x^3y + 7xy^3 - 49y^4$	-2310		
$4x^4 + 2x^3y - 7xy^3 - 49y^4$	-2310		
$4x^4 + 3x^3y - 78x^2y^2 + 186xy^3 - 140y^4$	-2310		
$8x^4 - 6x^3y - 30x^2y^2 - 45xy^3 - 25y^4$	-2310		
$8x^4 + 6x^3y - 30x^2y^2 + 45xy^3 - 25y^4$	-2310		
$-16x^4 - 16x^3y - 6x^2y^2 - xy^3 + 12y^4$	-2316		
$-16x^4 + 16x^3y - 6x^2y^2 + xy^3 + 12y^4$	-2316		
$-12x^4 - x^3y + 6x^2y^2 - 16xy^3 + 16y^4$	-2316		
$-12x^4 + x^3y + 6x^2y^2 + 16xy^3 + 16y^4$	-2316		
$-7x^4 - 4x^3y + 30x^2y^2 + 68xy^3 + 48y^4$	-2316		
$-7x^4 + 4x^3y + 30x^2y^2 - 68xy^3 + 48y^4$	-2316		
$-3x^4 - 5x^3y + 3x^2y^2 + 37xy^3 + 80y^4$	-2316		
$-3x^4 + 5x^3y + 3x^2y^2 - 37xy^3 + 80y^4$	-2316		
$-x^4 + 193y^4$	-2316		
$x^4 - 193y^4$	-2316		
$3x^4 - 5x^3y - 3x^2y^2 + 37xy^3 - 80y^4$	-2316	(1, 0)	(1, 0)
$3x^4 + 5x^3y - 3x^2y^2 - 37xy^3 - 80y^4$	-2316		
$7x^4 - 4x^3y - 30x^2y^2 + 68xy^3 - 48y^4$	-2316		
$7x^4 + 4x^3y - 30x^2y^2 - 68xy^3 - 48y^4$	-2316		
$12x^4 - x^3y - 6x^2y^2 - 16xy^3 - 16y^4$	-2316		
$12x^4 + x^3y - 6x^2y^2 + 16xy^3 - 16y^4$	-2316		
$16x^4 - 16x^3y + 6x^2y^2 - xy^3 - 12y^4$	-2316		
$16x^4 + 16x^3y + 6x^2y^2 + xy^3 - 12y^4$	-2316		
$-11x^4 - 17x^3y - 17xy^3 + 11y^4$	-2319		
$-11x^4 + 17x^3y + 17xy^3 + 11y^4$	-2319		
$11x^4 - 17x^3y - 17xy^3 - 11y^4$	-2319		
$11x^4 + 17x^3y + 17xy^3 - 11y^4$	-2319		
$-4x^4 - 2x^3y + 48x^2y^2 + 133xy^3 + 113y^4$	-2322	(1, 0)	(1, 0)
$-4x^4 + 2x^3y + 48x^2y^2 - 133xy^3 + 113y^4$	-2322		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-x^4 - x^3y + 48x^2y^2 + 266xy^3 + 452y^4$	-2322	(1, 0)	(1, 0)
$-x^4 + x^3y + 48x^2y^2 - 266xy^3 + 452y^4$	-2322		(1, 0)
$x^4 - x^3y - 48x^2y^2 + 266xy^3 - 452y^4$	-2322	(1, 0)	
$x^4 + x^3y - 48x^2y^2 - 266xy^3 - 452y^4$	-2322	(1, 0)	
$4x^4 - 2x^3y - 48x^2y^2 + 133xy^3 - 113y^4$	-2322		
$4x^4 + 2x^3y - 48x^2y^2 - 133xy^3 - 113y^4$	-2322		
$-14x^4 - 13x^3y + 15x^2y^2 + 38xy^3 + 24y^4$	-2325		
$-14x^4 - 3x^3y + 3xy^3 + 14y^4$	-2325		
$-14x^4 + 3x^3y - 3xy^3 + 14y^4$	-2325		
$-14x^4 + 13x^3y + 15x^2y^2 - 38xy^3 + 24y^4$	-2325		
$-13x^4 - 11x^3y + 3x^2y^2 - 14xy^3 + 12y^4$	-2325		
$-13x^4 + 11x^3y + 3x^2y^2 + 14xy^3 + 12y^4$	-2325		
$-12x^4 - 14x^3y - 3x^2y^2 - 11xy^3 + 13y^4$	-2325		
$-12x^4 + 14x^3y - 3x^2y^2 + 11xy^3 + 13y^4$	-2325		
$-6x^4 - 5x^3y + 6x^2y^2 - 23xy^3 + 28y^4$	-2325		
$-6x^4 + 5x^3y + 6x^2y^2 + 23xy^3 + 28y^4$	-2325		
$-3x^4 - 5x^3y + 25xy^3 + 75y^4$	-2325		
$-3x^4 + 5x^3y - 25xy^3 + 75y^4$	-2325		
$3x^4 - 5x^3y + 25xy^3 - 75y^4$	-2325		
$3x^4 + 5x^3y - 25xy^3 - 75y^4$	-2325		
$6x^4 - 5x^3y - 6x^2y^2 - 23xy^3 - 28y^4$	-2325		
$6x^4 + 5x^3y - 6x^2y^2 + 23xy^3 - 28y^4$	-2325		
$12x^4 - 14x^3y + 3x^2y^2 - 11xy^3 - 13y^4$	-2325		
$12x^4 + 14x^3y + 3x^2y^2 + 11xy^3 - 13y^4$	-2325		
$13x^4 - 11x^3y - 3x^2y^2 - 14xy^3 - 12y^4$	-2325		
$13x^4 + 11x^3y - 3x^2y^2 + 14xy^3 - 12y^4$	-2325		
$14x^4 - 13x^3y - 15x^2y^2 + 38xy^3 - 24y^4$	-2325		
$14x^4 - 3x^3y + 3xy^3 - 14y^4$	-2325		
$14x^4 + 3x^3y - 3xy^3 - 14y^4$	-2325		
$14x^4 + 13x^3y - 15x^2y^2 - 38xy^3 - 24y^4$	-2325		
$-13x^4 - 10x^3y - 10xy^3 + 13y^4$	-2328		
$-13x^4 + 10x^3y + 10xy^3 + 13y^4$	-2328		
$-12x^4 - 13x^3y + 6x^2y^2 + 28xy^3 + 24y^4$	-2328		
$-12x^4 + 13x^3y + 6x^2y^2 - 28xy^3 + 24y^4$	-2328		
$-7x^4 - 12x^3y - 6x^2y^2 - 12xy^3 + 23y^4$	-2328		
$-7x^4 - 2x^3y + 4xy^3 + 28y^4$	-2328		
$-7x^4 + 2x^3y - 4xy^3 + 28y^4$	-2328		
$-7x^4 + 12x^3y - 6x^2y^2 + 12xy^3 + 23y^4$	-2328		
$-5x^4 - 6x^3y + 48x^2y^2 - 84xy^3 + 52y^4$	-2328		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-5x^4 + 6x^3y + 48x^2y^2 + 84xy^3 + 52y^4$	-2328		
$-3x^4 - 2x^3y + 48x^2y^2 - 124xy^3 + 108y^4$	-2328		
$-3x^4 - x^3y + 105x^2y^2 - 347xy^3 + 342y^4$	-2328		
$-3x^4 + x^3y + 105x^2y^2 + 347xy^3 + 342y^4$	-2328		
$-3x^4 + 2x^3y + 48x^2y^2 + 124xy^3 + 108y^4$	-2328		
$-2x^4 + 97y^4$	-2328		
$-x^4 - x^3y + 36x^2y^2 + 200xy^3 + 352y^4$	-2328		(1, 0)
$-x^4 + 194y^4$	-2328		(1, 0)
$-x^4 + 48x^2y^2 - 240xy^3 + 386y^4$	-2328		(1, 0)
$-x^4 + 48x^2y^2 + 240xy^3 + 386y^4$	-2328		(1, 0)
$-x^4 + x^3y + 36x^2y^2 - 200xy^3 + 352y^4$	-2328		(1, 0)
$x^4 - x^3y - 36x^2y^2 + 200xy^3 - 352y^4$	-2328	(1, 0)	
$x^4 - 48x^2y^2 - 240xy^3 - 386y^4$	-2328	(1, 0)	
$x^4 - 48x^2y^2 + 240xy^3 - 386y^4$	-2328	(1, 0)	
$x^4 - 194y^4$	-2328	(1, 0)	
$x^4 + x^3y - 36x^2y^2 - 200xy^3 - 352y^4$	-2328	(1, 0)	
$2x^4 - 97y^4$	-2328		
$3x^4 - 2x^3y - 48x^2y^2 - 124xy^3 - 108y^4$	-2328		
$3x^4 - x^3y - 105x^2y^2 - 347xy^3 - 342y^4$	-2328		
$3x^4 + x^3y - 105x^2y^2 + 347xy^3 - 342y^4$	-2328		
$3x^4 + 2x^3y - 48x^2y^2 + 124xy^3 - 108y^4$	-2328		
$5x^4 - 6x^3y - 48x^2y^2 - 84xy^3 - 52y^4$	-2328		
$5x^4 + 6x^3y - 48x^2y^2 + 84xy^3 - 52y^4$	-2328		
$7x^4 - 12x^3y + 6x^2y^2 - 12xy^3 - 23y^4$	-2328		
$7x^4 - 2x^3y + 4xy^3 - 28y^4$	-2328		
$7x^4 + 2x^3y - 4xy^3 - 28y^4$	-2328		
$7x^4 + 12x^3y + 6x^2y^2 + 12xy^3 - 23y^4$	-2328		
$12x^4 - 13x^3y - 6x^2y^2 + 28xy^3 - 24y^4$	-2328		
$12x^4 + 13x^3y - 6x^2y^2 - 28xy^3 - 24y^4$	-2328		
$13x^4 - 10x^3y - 10xy^3 - 13y^4$	-2328		
$13x^4 + 10x^3y + 10xy^3 - 13y^4$	-2328		
$-18x^4 - 28x^3y - 15x^2y^2 + 3xy^3 + 13y^4$	-2331		
$-18x^4 - 21x^3y - 9x^2y^2 - 4xy^3 + 10y^4$	-2331		
$-18x^4 + 21x^3y - 9x^2y^2 + 4xy^3 + 10y^4$	-2331		
$-18x^4 + 28x^3y - 15x^2y^2 - 3xy^3 + 13y^4$	-2331		
$-17x^4 - 21x^3y - 6x^2y^2 + 11xy^3 + 15y^4$	-2331		
$-17x^4 + 21x^3y - 6x^2y^2 - 11xy^3 + 15y^4$	-2331		
$-15x^4 - 23x^3y - 9x^2y^2 + 12xy^3 + 18y^4$	-2331		
$-15x^4 - 11x^3y + 6x^2y^2 + 21xy^3 + 17y^4$	-2331		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-15x^4 + 11x^3y + 6x^2y^2 - 21xy^3 + 17y^4$	-2331		
$-15x^4 + 23x^3y - 9x^2y^2 - 12xy^3 + 18y^4$	-2331		
$-14x^4 + 28x^3y - 21x^2y^2 + 7xy^3 + 13y^4$	-2331		
$-13x^4 - 7x^3y + 21x^2y^2 - 28xy^3 + 14y^4$	-2331		
$-13x^4 - 3x^3y + 15x^2y^2 + 28xy^3 + 18y^4$	-2331		
$-13x^4 + 3x^3y + 15x^2y^2 - 28xy^3 + 18y^4$	-2331		
$-13x^4 + 7x^3y + 21x^2y^2 + 28xy^3 + 14y^4$	-2331		
$-10x^4 - 4x^3y + 9x^2y^2 - 21xy^3 + 18y^4$	-2331		
$-10x^4 + 4x^3y + 9x^2y^2 + 21xy^3 + 18y^4$	-2331		
$-6x^4 + 12x^3y - 9x^2y^2 + 3xy^3 + 32y^4$	-2331		
$-5x^4 - x^3y + 63x^2y^2 - 140xy^3 + 98y^4$	-2331		
$-5x^4 - x^3y + 72x^2y^2 - 165xy^3 + 117y^4$	-2331		
$-5x^4 + x^3y + 63x^2y^2 + 140xy^3 + 98y^4$	-2331		
$-5x^4 + x^3y + 72x^2y^2 + 165xy^3 + 117y^4$	-2331		
$-2x^4 - 3x^3y + 144x^2y^2 + 813xy^3 + 1266y^4$	-2331		
$-2x^4 - x^3y + 7xy^3 + 98y^4$	-2331		
$-2x^4 + x^3y - 7xy^3 + 98y^4$	-2331		
$-2x^4 + 3x^3y + 144x^2y^2 - 813xy^3 + 1266y^4$	-2331		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 97y^4$	-2331		
$-2x^4 + 4x^3y + 9x^2y^2 - 69xy^3 + 135y^4$	-2331		
$-2x^4 + 4x^3y + 9x^2y^2 + 47xy^3 + 77y^4$	-2331		
$-2x^4 + 4x^3y + 189x^2y^2 - 1239xy^3 + 2205y^4$	-2331		
$-2x^4 + 4x^3y + 189x^2y^2 + 857xy^3 + 1157y^4$	-2331		
$2x^4 - 3x^3y - 144x^2y^2 + 813xy^3 - 1266y^4$	-2331		
$2x^4 - x^3y + 7xy^3 - 98y^4$	-2331		
$2x^4 + x^3y - 7xy^3 - 98y^4$	-2331		
$2x^4 + 3x^3y - 144x^2y^2 - 813xy^3 - 1266y^4$	-2331		
$2x^4 + 4x^3y - 189x^2y^2 - 1239xy^3 - 2205y^4$	-2331		
$2x^4 + 4x^3y - 189x^2y^2 + 857xy^3 - 1157y^4$	-2331		
$2x^4 + 4x^3y - 9x^2y^2 - 69xy^3 - 135y^4$	-2331		
$2x^4 + 4x^3y - 9x^2y^2 + 47xy^3 - 77y^4$	-2331		
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 97y^4$	-2331		
$5x^4 - x^3y - 72x^2y^2 - 165xy^3 - 117y^4$	-2331		
$5x^4 - x^3y - 63x^2y^2 - 140xy^3 - 98y^4$	-2331		
$5x^4 + x^3y - 72x^2y^2 + 165xy^3 - 117y^4$	-2331		
$5x^4 + x^3y - 63x^2y^2 + 140xy^3 - 98y^4$	-2331		
$6x^4 + 12x^3y + 9x^2y^2 + 3xy^3 - 32y^4$	-2331		
$10x^4 - 4x^3y - 9x^2y^2 - 21xy^3 - 18y^4$	-2331		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$10x^4 + 4x^3y - 9x^2y^2 + 21xy^3 - 18y^4$	-2331	(1, 0)	(1, 0)
$13x^4 - 7x^3y - 21x^2y^2 - 28xy^3 - 14y^4$	-2331		
$13x^4 - 3x^3y - 15x^2y^2 + 28xy^3 - 18y^4$	-2331		
$13x^4 + 3x^3y - 15x^2y^2 - 28xy^3 - 18y^4$	-2331		
$13x^4 + 7x^3y - 21x^2y^2 + 28xy^3 - 14y^4$	-2331		
$14x^4 + 28x^3y + 21x^2y^2 + 7xy^3 - 13y^4$	-2331		
$15x^4 - 23x^3y + 9x^2y^2 + 12xy^3 - 18y^4$	-2331		
$15x^4 - 11x^3y - 6x^2y^2 + 21xy^3 - 17y^4$	-2331		
$15x^4 + 11x^3y - 6x^2y^2 - 21xy^3 - 17y^4$	-2331		
$15x^4 + 23x^3y + 9x^2y^2 - 12xy^3 - 18y^4$	-2331		
$17x^4 - 21x^3y + 6x^2y^2 + 11xy^3 - 15y^4$	-2331		
$17x^4 + 21x^3y + 6x^2y^2 - 11xy^3 - 15y^4$	-2331		
$18x^4 - 28x^3y + 15x^2y^2 + 3xy^3 - 13y^4$	-2331		
$18x^4 - 21x^3y + 9x^2y^2 - 4xy^3 - 10y^4$	-2331		
$18x^4 + 21x^3y + 9x^2y^2 + 4xy^3 - 10y^4$	-2331		
$18x^4 + 28x^3y + 15x^2y^2 - 3xy^3 - 13y^4$	-2331		
$-15x^4 - 11x^3y + 11xy^3 + 15y^4$	-2337		
$-15x^4 + 11x^3y - 11xy^3 + 15y^4$	-2337		
$15x^4 - 11x^3y + 11xy^3 - 15y^4$	-2337		
$15x^4 + 11x^3y - 11xy^3 - 15y^4$	-2337		
$-15x^4 + 13y^4$	-2340		
$-13x^4 + 15y^4$	-2340		
$-5x^4 + 39y^4$	-2340		
$-3x^4 + 65y^4$	-2340		
$-x^4 + 195y^4$	-2340		
$x^4 - 195y^4$	-2340		
$3x^4 - 65y^4$	-2340		
$5x^4 - 39y^4$	-2340		
$13x^4 - 15y^4$	-2340		
$15x^4 - 13y^4$	-2340		
$-5x^4 - 7x^3y - 3x^2y^2 + 8xy^3 + 42y^4$	-2343		
$-5x^4 + 7x^3y - 3x^2y^2 - 8xy^3 + 42y^4$	-2343		
$5x^4 - 7x^3y + 3x^2y^2 + 8xy^3 - 42y^4$	-2343		
$5x^4 + 7x^3y + 3x^2y^2 - 8xy^3 - 42y^4$	-2343		
$-13x^4 - 21x^3y + 15x^2y^2 - 21xy^3 + 8y^4$	-2346		
$-13x^4 + 21x^3y + 15x^2y^2 + 21xy^3 + 8y^4$	-2346		
$-8x^4 - 11x^3y + 22xy^3 + 32y^4$	-2346		
$-8x^4 + 11x^3y - 22xy^3 + 32y^4$	-2346		
$-7x^4 - x^3y + 2xy^3 + 28y^4$	-2346		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-7x^4 + x^3y - 2xy^3 + 28y^4$	-2346		
$7x^4 - x^3y + 2xy^3 - 28y^4$	-2346		
$7x^4 + x^3y - 2xy^3 - 28y^4$	-2346		
$8x^4 - 11x^3y + 22xy^3 - 32y^4$	-2346		
$8x^4 + 11x^3y - 22xy^3 - 32y^4$	-2346		
$13x^4 - 21x^3y - 15x^2y^2 - 21xy^3 - 8y^4$	-2346		
$13x^4 + 21x^3y - 15x^2y^2 + 21xy^3 - 8y^4$	-2346		
$-14x^4 - x^3y + xy^3 + 14y^4$	-2349		
$-14x^4 + x^3y - xy^3 + 14y^4$	-2349		
$14x^4 - x^3y + xy^3 - 14y^4$	-2349		
$14x^4 + x^3y - xy^3 - 14y^4$	-2349		
$-11x^4 - 20x^3y + 6x^2y^2 - 20xy^3 + 9y^4$	-2352		
$-11x^4 + 20x^3y + 6x^2y^2 + 20xy^3 + 9y^4$	-2352		
$-9x^4 - 16x^3y + 32xy^3 + 36y^4$	-2352		
$-9x^4 + 16x^3y - 32xy^3 + 36y^4$	-2352		
$-4x^4 + 49y^4$	-2352		
$-x^4 - x^3y + 165x^2y^2 + 1277xy^3 + 2784y^4$	-2352		(1, 0)
$-x^4 + 196y^4$	-2352		(1, 0)
$-x^4 + x^3y + 165x^2y^2 - 1277xy^3 + 2784y^4$	-2352		(1, 0)
$x^4 - x^3y - 165x^2y^2 + 1277xy^3 - 2784y^4$	-2352	(1, 0)	
$x^4 - 196y^4$	-2352	(1, 0)	
$x^4 + x^3y - 165x^2y^2 - 1277xy^3 - 2784y^4$	-2352	(1, 0)	
$4x^4 - 49y^4$	-2352		
$9x^4 - 16x^3y + 32xy^3 - 36y^4$	-2352		
$9x^4 + 16x^3y - 32xy^3 - 36y^4$	-2352		
$11x^4 - 20x^3y - 6x^2y^2 - 20xy^3 - 9y^4$	-2352		
$11x^4 + 20x^3y - 6x^2y^2 + 20xy^3 - 9y^4$	-2352		
$-14x^4 - x^3y - xy^3 + 14y^4$	-2355		
$-14x^4 + x^3y + xy^3 + 14y^4$	-2355		
$-10x^4 + 20x^3y - 15x^2y^2 + 5xy^3 + 19y^4$	-2355		
$-8x^4 - 9x^3y + 21x^2y^2 + 60xy^3 + 46y^4$	-2355		
$-8x^4 + 9x^3y + 21x^2y^2 - 60xy^3 + 46y^4$	-2355		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 98y^4$	-2355		
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 98y^4$	-2355		
$8x^4 - 9x^3y - 21x^2y^2 + 60xy^3 - 46y^4$	-2355		
$8x^4 + 9x^3y - 21x^2y^2 - 60xy^3 - 46y^4$	-2355		
$10x^4 + 20x^3y + 15x^2y^2 + 5xy^3 - 19y^4$	-2355		
$14x^4 - x^3y - xy^3 - 14y^4$	-2355		
$14x^4 + x^3y + xy^3 - 14y^4$	-2355		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-7x^4 - x^3y - 2xy^3 + 28y^4$	-2358		
$-7x^4 + x^3y + 2xy^3 + 28y^4$	-2358		
$-2x^4 - 3x^3y + 66x^2y^2 - 202xy^3 + 204y^4$	-2358		
$-2x^4 + 3x^3y + 66x^2y^2 + 202xy^3 + 204y^4$	-2358		
$2x^4 - 3x^3y - 66x^2y^2 - 202xy^3 - 204y^4$	-2358		
$2x^4 + 3x^3y - 66x^2y^2 + 202xy^3 - 204y^4$	-2358		
$7x^4 - x^3y - 2xy^3 - 28y^4$	-2358		
$7x^4 + x^3y + 2xy^3 - 28y^4$	-2358		
$-4x^4 + 8x^3y - 6x^2y^2 + 2xy^3 + 49y^4$	-2364		
$-x^4 + 197y^4$	-2364		(1, 0)
$-x^4 + 294x^2y^2 - 2772xy^3 + 7400y^4$	-2364	(7, 1)	(1, 0)
$-x^4 + 294x^2y^2 + 2772xy^3 + 7400y^4$	-2364	(7, -1)	(1, 0)
$x^4 - 294x^2y^2 - 2772xy^3 - 7400y^4$	-2364	(1, 0)	(7, -1)
$x^4 - 294x^2y^2 + 2772xy^3 - 7400y^4$	-2364	(1, 0)	(7, 1)
$x^4 - 197y^4$	-2364	(1, 0)	
$4x^4 + 8x^3y + 6x^2y^2 + 2xy^3 - 49y^4$	-2364		
$-6x^4 - 11x^3y + 3x^2y^2 - 24xy^3 + 22y^4$	-2367		
$-6x^4 + 11x^3y + 3x^2y^2 + 24xy^3 + 22y^4$	-2367		
$6x^4 - 11x^3y - 3x^2y^2 - 24xy^3 - 22y^4$	-2367		
$6x^4 + 11x^3y - 3x^2y^2 + 24xy^3 - 22y^4$	-2367		
$-15x^4 - 23x^3y - 6x^2y^2 - 14xy^3 + 8y^4$	-2370		
$-15x^4 + 23x^3y - 6x^2y^2 + 14xy^3 + 8y^4$	-2370		
$-8x^4 - 14x^3y + 6x^2y^2 - 23xy^3 + 15y^4$	-2370		
$-8x^4 + 14x^3y + 6x^2y^2 + 23xy^3 + 15y^4$	-2370		
$-2x^4 - x^3y + 15x^2y^2 + 71xy^3 + 117y^4$	-2370		
$-2x^4 + x^3y + 15x^2y^2 - 71xy^3 + 117y^4$	-2370		
$2x^4 - x^3y - 15x^2y^2 + 71xy^3 - 117y^4$	-2370		
$2x^4 + x^3y - 15x^2y^2 - 71xy^3 - 117y^4$	-2370		
$8x^4 - 14x^3y - 6x^2y^2 - 23xy^3 - 15y^4$	-2370		
$8x^4 + 14x^3y - 6x^2y^2 + 23xy^3 - 15y^4$	-2370		
$15x^4 - 23x^3y + 6x^2y^2 - 14xy^3 - 8y^4$	-2370		
$15x^4 + 23x^3y + 6x^2y^2 + 14xy^3 - 8y^4$	-2370		
$-8x^4 - 14x^3y - 9x^2y^2 + xy^3 + 26y^4$	-2373		
$-8x^4 + 14x^3y - 9x^2y^2 - xy^3 + 26y^4$	-2373		
$-7x^4 - 3x^3y + 54x^2y^2 - 93xy^3 + 53y^4$	-2373		
$-7x^4 + 3x^3y + 54x^2y^2 + 93xy^3 + 53y^4$	-2373		
$-4x^4 - 6x^3y + 39x^2y^2 - 75xy^3 + 53y^4$	-2373		
$-4x^4 + 6x^3y + 39x^2y^2 + 75xy^3 + 53y^4$	-2373		
$-2x^4 - x^3y - 7xy^3 + 98y^4$	-2373		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-2x^4 + x^3y + 7xy^3 + 98y^4$	-2373	(1, 0) (1, 0)	(1, 0) (1, 0)
$-x^4 - x^3y + 42x^2y^2 + 233xy^3 + 403y^4$	-2373		
$-x^4 + x^3y + 42x^2y^2 - 233xy^3 + 403y^4$	-2373		
$x^4 - x^3y - 42x^2y^2 + 233xy^3 - 403y^4$	-2373		
$x^4 + x^3y - 42x^2y^2 - 233xy^3 - 403y^4$	-2373		
$2x^4 - x^3y - 7xy^3 - 98y^4$	-2373		
$2x^4 + x^3y + 7xy^3 - 98y^4$	-2373		
$4x^4 - 6x^3y - 39x^2y^2 - 75xy^3 - 53y^4$	-2373		
$4x^4 + 6x^3y - 39x^2y^2 + 75xy^3 - 53y^4$	-2373		
$7x^4 - 3x^3y - 54x^2y^2 - 93xy^3 - 53y^4$	-2373		
$7x^4 + 3x^3y - 54x^2y^2 + 93xy^3 - 53y^4$	-2373		
$8x^4 - 14x^3y + 9x^2y^2 + xy^3 - 26y^4$	-2373		
$8x^4 + 14x^3y + 9x^2y^2 - xy^3 - 26y^4$	-2373		
$-18x^4 + 11y^4$	-2376		
$-11x^4 + 18y^4$	-2376		
$-10x^4 - 11x^3y + 12x^2y^2 + 40xy^3 + 32y^4$	-2376		
$-10x^4 + 11x^3y + 12x^2y^2 - 40xy^3 + 32y^4$	-2376		
$-9x^4 + 22y^4$	-2376		
$-8x^4 - 4x^3y + 6x^2y^2 + 23xy^3 + 28y^4$	-2376		
$-8x^4 + 4x^3y + 6x^2y^2 - 23xy^3 + 28y^4$	-2376		
$-7x^4 - 10x^3y + 12x^2y^2 - 28xy^3 + 20y^4$	-2376		
$-7x^4 - 4x^3y + 18x^2y^2 - 36xy^3 + 27y^4$	-2376		
$-7x^4 - 2x^3y - 4xy^3 + 28y^4$	-2376	(1, 0)	(1, 0)
$-7x^4 + 2x^3y + 4xy^3 + 28y^4$	-2376		
$-7x^4 + 4x^3y + 18x^2y^2 + 36xy^3 + 27y^4$	-2376		
$-7x^4 + 10x^3y + 12x^2y^2 + 28xy^3 + 20y^4$	-2376		
$-5x^4 - 6x^3y + 18xy^3 + 45y^4$	-2376		
$-5x^4 - 6x^3y + 12x^2y^2 + 50xy^3 + 57y^4$	-2376		
$-5x^4 - 3x^3y + 54x^2y^2 - 108xy^3 + 72y^4$	-2376		
$-5x^4 + 3x^3y + 54x^2y^2 + 108xy^3 + 72y^4$	-2376		
$-5x^4 + 6x^3y - 18xy^3 + 45y^4$	-2376		
$-5x^4 + 6x^3y + 12x^2y^2 - 50xy^3 + 57y^4$	-2376		
$-3x^4 - 4x^3y + 42x^2y^2 + 156xy^3 + 167y^4$	-2376		
$-3x^4 + 4x^3y + 42x^2y^2 - 156xy^3 + 167y^4$	-2376		
$-2x^4 + 99y^4$	-2376		
$-x^4 + 198y^4$	-2376		
$x^4 - 198y^4$	-2376		
$2x^4 - 99y^4$	-2376		
$3x^4 - 4x^3y - 42x^2y^2 + 156xy^3 - 167y^4$	-2376		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$3x^4 + 4x^3y - 42x^2y^2 - 156xy^3 - 167y^4$	-2376		
$5x^4 - 6x^3y - 12x^2y^2 + 50xy^3 - 57y^4$	-2376		
$5x^4 - 6x^3y + 18xy^3 - 45y^4$	-2376		
$5x^4 - 3x^3y - 54x^2y^2 - 108xy^3 - 72y^4$	-2376		
$5x^4 + 3x^3y - 54x^2y^2 + 108xy^3 - 72y^4$	-2376		
$5x^4 + 6x^3y - 12x^2y^2 - 50xy^3 - 57y^4$	-2376		
$5x^4 + 6x^3y - 18xy^3 - 45y^4$	-2376		
$7x^4 - 10x^3y - 12x^2y^2 - 28xy^3 - 20y^4$	-2376		
$7x^4 - 4x^3y - 18x^2y^2 - 36xy^3 - 27y^4$	-2376		
$7x^4 - 2x^3y - 4xy^3 - 28y^4$	-2376		
$7x^4 + 2x^3y + 4xy^3 - 28y^4$	-2376		
$7x^4 + 4x^3y - 18x^2y^2 + 36xy^3 - 27y^4$	-2376		
$7x^4 + 10x^3y - 12x^2y^2 + 28xy^3 - 20y^4$	-2376		
$8x^4 - 4x^3y - 6x^2y^2 + 23xy^3 - 28y^4$	-2376		
$8x^4 + 4x^3y - 6x^2y^2 - 23xy^3 - 28y^4$	-2376		
$9x^4 - 22y^4$	-2376		
$10x^4 - 11x^3y - 12x^2y^2 + 40xy^3 - 32y^4$	-2376		
$10x^4 + 11x^3y - 12x^2y^2 - 40xy^3 - 32y^4$	-2376		
$11x^4 - 18y^4$	-2376		
$18x^4 - 11y^4$	-2376		
$-14x^4 - 3x^3y - 3xy^3 + 14y^4$	-2379		
$-14x^4 + 3x^3y + 3xy^3 + 14y^4$	-2379		
$-6x^4 - 11x^3y + 42x^2y^2 + 145xy^3 + 124y^4$	-2379		
$-6x^4 + 11x^3y + 42x^2y^2 - 145xy^3 + 124y^4$	-2379		
$-5x^4 - x^3y + 6x^2y^2 - 25xy^3 + 39y^4$	-2379		
$-5x^4 + x^3y + 6x^2y^2 + 25xy^3 + 39y^4$	-2379		
$-4x^4 - 5x^3y + 66x^2y^2 + 223xy^3 + 210y^4$	-2379		
$-4x^4 + 5x^3y + 66x^2y^2 - 223xy^3 + 210y^4$	-2379		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 99y^4$	-2379		
$-x^4 - x^3y + 3x^2y^2 + 44xy^3 + 210y^4$	-2379		(1, 0)
$-x^4 + x^3y + 3x^2y^2 - 44xy^3 + 210y^4$	-2379		(1, 0)
$x^4 - x^3y - 3x^2y^2 + 44xy^3 - 210y^4$	-2379	(1, 0)	
$x^4 + x^3y - 3x^2y^2 - 44xy^3 - 210y^4$	-2379	(1, 0)	
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 99y^4$	-2379		
$4x^4 - 5x^3y - 66x^2y^2 + 223xy^3 - 210y^4$	-2379		
$4x^4 + 5x^3y - 66x^2y^2 - 223xy^3 - 210y^4$	-2379		
$5x^4 - x^3y - 6x^2y^2 - 25xy^3 - 39y^4$	-2379		
$5x^4 + x^3y - 6x^2y^2 + 25xy^3 - 39y^4$	-2379		
$6x^4 - 11x^3y - 42x^2y^2 + 145xy^3 - 124y^4$	-2379		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$6x^4 + 11x^3y - 42x^2y^2 - 145xy^3 - 124y^4$	-2379	(1, 0)	(1, 0)
$14x^4 - 3x^3y - 3xy^3 - 14y^4$	-2379		
$14x^4 + 3x^3y + 3xy^3 - 14y^4$	-2379		
$-17x^4 - 19x^3y + 19xy^3 + 17y^4$	-2385		
$-17x^4 + 19x^3y - 19xy^3 + 17y^4$	-2385		
$17x^4 - 19x^3y + 19xy^3 - 17y^4$	-2385		
$17x^4 + 19x^3y - 19xy^3 - 17y^4$	-2385		
$-x^4 + 199y^4$	-2388		
$x^4 - 199y^4$	-2388		
$-13x^4 - 11x^3y - 11xy^3 + 13y^4$	-2391		
$-13x^4 + 11x^3y + 11xy^3 + 13y^4$	-2391		
$13x^4 - 11x^3y - 11xy^3 - 13y^4$	-2391		
$13x^4 + 11x^3y + 11xy^3 - 13y^4$	-2391		
$-9x^4 - 15x^3y - 9x^2y^2 - 7xy^3 + 20y^4$	-2394		
$-9x^4 + 15x^3y - 9x^2y^2 + 7xy^3 + 20y^4$	-2394		
$-6x^4 - x^3y + 18x^2y^2 - 42xy^3 + 36y^4$	-2394		
$-6x^4 + x^3y + 18x^2y^2 + 42xy^3 + 36y^4$	-2394		
$-4x^4 - 2x^3y - 7xy^3 + 49y^4$	-2394		
$-4x^4 + 2x^3y + 7xy^3 + 49y^4$	-2394		
$-x^4 - x^3y - 14xy^3 + 196y^4$	-2394		(1, 0)
$-x^4 + x^3y + 14xy^3 + 196y^4$	-2394		(1, 0)
$x^4 - x^3y - 14xy^3 - 196y^4$	-2394	(1, 0)	
$x^4 + x^3y + 14xy^3 - 196y^4$	-2394	(1, 0)	
$4x^4 - 2x^3y - 7xy^3 - 49y^4$	-2394	(1, 0)	
$4x^4 + 2x^3y + 7xy^3 - 49y^4$	-2394		
$6x^4 - x^3y - 18x^2y^2 - 42xy^3 - 36y^4$	-2394		
$6x^4 + x^3y - 18x^2y^2 + 42xy^3 - 36y^4$	-2394		
$9x^4 - 15x^3y + 9x^2y^2 - 7xy^3 - 20y^4$	-2394		
$9x^4 + 15x^3y + 9x^2y^2 + 7xy^3 - 20y^4$	-2394		
$-18x^4 - 7x^3y + 12x^2y^2 + 23xy^3 + 14y^4$	-2397		
$-18x^4 + 7x^3y + 12x^2y^2 - 23xy^3 + 14y^4$	-2397		
$-16x^4 - 15x^3y + 15xy^3 + 16y^4$	-2397		
$-16x^4 + 15x^3y - 15xy^3 + 16y^4$	-2397		
$-14x^4 - 23x^3y - 12x^2y^2 + 7xy^3 + 18y^4$	-2397		
$-14x^4 + 23x^3y - 12x^2y^2 - 7xy^3 + 18y^4$	-2397		
$-8x^4 - 14x^3y + 33x^2y^2 + 109xy^3 + 84y^4$	-2397		
$-8x^4 - 2x^3y + 3x^2y^2 + 15xy^3 + 26y^4$	-2397		
$-8x^4 + 2x^3y + 3x^2y^2 - 15xy^3 + 26y^4$	-2397		
$-8x^4 + 14x^3y + 33x^2y^2 - 109xy^3 + 84y^4$	-2397		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-2x^4 - x^3y + 3x^2y^2 + 30xy^3 + 104y^4$	-2397	(1, 0)	(1, 0)
$-2x^4 - x^3y + 42x^2y^2 - 139xy^3 + 156y^4$	-2397		
$-2x^4 + x^3y + 3x^2y^2 - 30xy^3 + 104y^4$	-2397		
$-2x^4 + x^3y + 42x^2y^2 + 139xy^3 + 156y^4$	-2397		
$2x^4 - x^3y - 42x^2y^2 - 139xy^3 - 156y^4$	-2397		
$2x^4 - x^3y - 3x^2y^2 + 30xy^3 - 104y^4$	-2397		
$2x^4 + x^3y - 42x^2y^2 + 139xy^3 - 156y^4$	-2397		
$2x^4 + x^3y - 3x^2y^2 - 30xy^3 - 104y^4$	-2397		
$8x^4 - 14x^3y - 33x^2y^2 + 109xy^3 - 84y^4$	-2397		
$8x^4 - 2x^3y - 3x^2y^2 + 15xy^3 - 26y^4$	-2397		
$8x^4 + 2x^3y - 3x^2y^2 - 15xy^3 - 26y^4$	-2397		
$8x^4 + 14x^3y - 33x^2y^2 - 109xy^3 - 84y^4$	-2397		
$14x^4 - 23x^3y + 12x^2y^2 + 7xy^3 - 18y^4$	-2397		
$14x^4 + 23x^3y + 12x^2y^2 - 7xy^3 - 18y^4$	-2397		
$16x^4 - 15x^3y + 15xy^3 - 16y^4$	-2397		
$16x^4 + 15x^3y - 15xy^3 - 16y^4$	-2397		
$18x^4 - 7x^3y - 12x^2y^2 + 23xy^3 - 14y^4$	-2397		
$18x^4 + 7x^3y - 12x^2y^2 - 23xy^3 - 14y^4$	-2397		
$-8x^4 + 25y^4$	-2400		
$-x^4 + 200y^4$	-2400		
$x^4 - 200y^4$	-2400		
$8x^4 - 25y^4$	-2400		
$-18x^4 + 36x^3y - 27x^2y^2 + 9xy^3 + 10y^4$	-2403		
$-10x^4 - 9x^3y + 27x^2y^2 - 36xy^3 + 18y^4$	-2403		
$-10x^4 + 9x^3y + 27x^2y^2 + 36xy^3 + 18y^4$	-2403		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 100y^4$	-2403		
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 100y^4$	-2403		
$10x^4 - 9x^3y - 27x^2y^2 - 36xy^3 - 18y^4$	-2403		
$10x^4 + 9x^3y - 27x^2y^2 + 36xy^3 - 18y^4$	-2403		
$18x^4 + 36x^3y + 27x^2y^2 + 9xy^3 - 10y^4$	-2403		
$-7x^4 - 3x^3y - 6xy^3 + 28y^4$	-2406		
$-7x^4 + 3x^3y + 6xy^3 + 28y^4$	-2406		
$-2x^4 - x^3y + 75x^2y^2 + 307xy^3 + 373y^4$	-2406		
$-2x^4 + x^3y + 75x^2y^2 - 307xy^3 + 373y^4$	-2406		
$2x^4 - x^3y - 75x^2y^2 + 307xy^3 - 373y^4$	-2406		
$2x^4 + x^3y - 75x^2y^2 - 307xy^3 - 373y^4$	-2406		
$7x^4 - 3x^3y - 6xy^3 - 28y^4$	-2406		
$7x^4 + 3x^3y + 6xy^3 - 28y^4$	-2406		
$-4x^4 - 3x^3y + 18x^2y^2 - 48xy^3 + 48y^4$	-2412		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-4x^4 + 3x^3y + 18x^2y^2 + 48xy^3 + 48y^4$	-2412	(1, 0)	(1, 0)
$-3x^4 + 67y^4$	-2412		
$-x^4 + 201y^4$	-2412		
$-x^4 + 96x^2y^2 - 560xy^3 + 969y^4$	-2412		
$-x^4 + 96x^2y^2 + 560xy^3 + 969y^4$	-2412		
$x^4 - 96x^2y^2 - 560xy^3 - 969y^4$	-2412		
$x^4 - 96x^2y^2 + 560xy^3 - 969y^4$	-2412		
$x^4 - 201y^4$	-2412		
$3x^4 - 67y^4$	-2412		
$4x^4 - 3x^3y - 18x^2y^2 - 48xy^3 - 48y^4$	-2412		
$4x^4 + 3x^3y - 18x^2y^2 + 48xy^3 - 48y^4$	-2412		
$-10x^4 - 8x^3y + 3x^2y^2 + 19xy^3 + 24y^4$	-2415		
$-10x^4 + 8x^3y + 3x^2y^2 - 19xy^3 + 24y^4$	-2415		
$-2x^4 - x^3y + 15x^2y^2 - 64xy^3 + 102y^4$	-2415		
$-2x^4 + x^3y + 15x^2y^2 + 64xy^3 + 102y^4$	-2415		
$2x^4 - x^3y - 15x^2y^2 - 64xy^3 - 102y^4$	-2415		
$2x^4 + x^3y - 15x^2y^2 + 64xy^3 - 102y^4$	-2415		
$10x^4 - 8x^3y - 3x^2y^2 + 19xy^3 - 24y^4$	-2415		
$10x^4 + 8x^3y - 3x^2y^2 - 19xy^3 - 24y^4$	-2415		
$-11x^4 - 18x^3y - 18xy^3 + 11y^4$	-2424		
$-11x^4 + 18x^3y + 18xy^3 + 11y^4$	-2424		
$-9x^4 - 14x^3y + 12x^2y^2 + 52xy^3 + 44y^4$	-2424		
$-9x^4 + 14x^3y + 12x^2y^2 - 52xy^3 + 44y^4$	-2424		
$-2x^4 + 101y^4$	-2424		
$-x^4 + 202y^4$	-2424		
$x^4 - 202y^4$	-2424		
$2x^4 - 101y^4$	-2424		
$9x^4 - 14x^3y - 12x^2y^2 + 52xy^3 - 44y^4$	-2424		
$9x^4 + 14x^3y - 12x^2y^2 - 52xy^3 - 44y^4$	-2424		
$11x^4 - 18x^3y - 18xy^3 - 11y^4$	-2424		
$11x^4 + 18x^3y + 18xy^3 - 11y^4$	-2424		
$-14x^4 - 5x^3y - 5xy^3 + 14y^4$	-2427		
$-14x^4 + 5x^3y + 5xy^3 + 14y^4$	-2427		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 101y^4$	-2427		
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 101y^4$	-2427		
$14x^4 - 5x^3y - 5xy^3 - 14y^4$	-2427		
$14x^4 + 5x^3y + 5xy^3 - 14y^4$	-2427		
$-11x^4 - 5x^3y + 24x^2y^2 + 46xy^3 + 28y^4$	-2430		
$-11x^4 + 5x^3y + 24x^2y^2 - 46xy^3 + 28y^4$	-2430		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-7x^4 - 5x^3y + 3x^2y^2 - 17xy^3 + 26y^4$	-2430	(1, 0)	(1, 0)
$-7x^4 + 5x^3y + 3x^2y^2 + 17xy^3 + 26y^4$	-2430		
$7x^4 - 5x^3y - 3x^2y^2 - 17xy^3 - 26y^4$	-2430		
$7x^4 + 5x^3y - 3x^2y^2 + 17xy^3 - 26y^4$	-2430		
$11x^4 - 5x^3y - 24x^2y^2 + 46xy^3 - 28y^4$	-2430		
$11x^4 + 5x^3y - 24x^2y^2 - 46xy^3 - 28y^4$	-2430		
$-13x^4 - 18x^3y - 6x^2y^2 + 12xy^3 + 20y^4$	-2436		
$-13x^4 + 18x^3y - 6x^2y^2 - 12xy^3 + 20y^4$	-2436		
$-7x^4 - 6x^3y + 54x^2y^2 + 132xy^3 + 92y^4$	-2436		
$-7x^4 - 3x^3y + 6x^2y^2 + 24xy^3 + 32y^4$	-2436		
$-7x^4 + 29y^4$	-2436		
$-7x^4 + 3x^3y + 6x^2y^2 - 24xy^3 + 32y^4$	-2436		
$-7x^4 + 6x^3y + 54x^2y^2 - 132xy^3 + 92y^4$	-2436		
$-5x^4 - 7x^3y + 18x^2y^2 - 40xy^3 + 32y^4$	-2436		
$-5x^4 - 6x^3y + 6x^2y^2 + 36xy^3 + 52y^4$	-2436		
$-5x^4 + 6x^3y + 6x^2y^2 - 36xy^3 + 52y^4$	-2436		
$-5x^4 + 7x^3y + 18x^2y^2 + 40xy^3 + 32y^4$	-2436		
$-3x^4 - 4x^3y + 12x^2y^2 - 44xy^3 + 57y^4$	-2436		
$-3x^4 + 4x^3y + 12x^2y^2 + 44xy^3 + 57y^4$	-2436		
$-2x^4 + 4x^3y + 18x^2y^2 - 104xy^3 + 167y^4$	-2436		
$-2x^4 + 4x^3y + 18x^2y^2 + 64xy^3 + 83y^4$	-2436		
$-x^4 + 203y^4$	-2436		
$x^4 - 203y^4$	-2436		
$2x^4 + 4x^3y - 18x^2y^2 - 104xy^3 - 167y^4$	-2436		
$2x^4 + 4x^3y - 18x^2y^2 + 64xy^3 - 83y^4$	-2436		
$3x^4 - 4x^3y - 12x^2y^2 - 44xy^3 - 57y^4$	-2436		
$3x^4 + 4x^3y - 12x^2y^2 + 44xy^3 - 57y^4$	-2436		
$5x^4 - 7x^3y - 18x^2y^2 - 40xy^3 - 32y^4$	-2436		
$5x^4 - 6x^3y - 6x^2y^2 + 36xy^3 - 52y^4$	-2436		
$5x^4 + 6x^3y - 6x^2y^2 - 36xy^3 - 52y^4$	-2436		
$5x^4 + 7x^3y - 18x^2y^2 + 40xy^3 - 32y^4$	-2436		
$7x^4 - 6x^3y - 54x^2y^2 + 132xy^3 - 92y^4$	-2436		
$7x^4 - 3x^3y - 6x^2y^2 + 24xy^3 - 32y^4$	-2436		
$7x^4 - 29y^4$	-2436		
$7x^4 + 3x^3y - 6x^2y^2 - 24xy^3 - 32y^4$	-2436		
$7x^4 + 6x^3y - 54x^2y^2 - 132xy^3 - 92y^4$	-2436		
$13x^4 - 18x^3y + 6x^2y^2 + 12xy^3 - 20y^4$	-2436		
$13x^4 + 18x^3y + 6x^2y^2 - 12xy^3 - 20y^4$	-2436		
$-19x^4 - 37x^3y - 27x^2y^2 - 8xy^3 + 10y^4$	-2439		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-19x^4 + 37x^3y - 27x^2y^2 + 8xy^3 + 10y^4$	-2439		
$-10x^4 - 8x^3y + 27x^2y^2 - 37xy^3 + 19y^4$	-2439		
$-10x^4 + 8x^3y + 27x^2y^2 + 37xy^3 + 19y^4$	-2439		
$-9x^4 - 11x^3y + 30x^2y^2 - 39xy^3 + 19y^4$	-2439		
$-9x^4 + 11x^3y + 30x^2y^2 + 39xy^3 + 19y^4$	-2439		
$9x^4 - 11x^3y - 30x^2y^2 - 39xy^3 - 19y^4$	-2439		
$9x^4 + 11x^3y - 30x^2y^2 + 39xy^3 - 19y^4$	-2439		
$10x^4 - 8x^3y - 27x^2y^2 - 37xy^3 - 19y^4$	-2439		
$10x^4 + 8x^3y - 27x^2y^2 + 37xy^3 - 19y^4$	-2439		
$19x^4 - 37x^3y + 27x^2y^2 - 8xy^3 - 10y^4$	-2439		
$19x^4 + 37x^3y + 27x^2y^2 + 8xy^3 - 10y^4$	-2439		
$-17x^4 + 12y^4$	-2448		
$-12x^4 + 17y^4$	-2448		
$-8x^4 + 16x^3y - 12x^2y^2 + 4xy^3 + 25y^4$	-2448		
$-7x^4 - 12x^3y + 36x^2y^2 - 48xy^3 + 24y^4$	-2448		
$-7x^4 - 4x^3y - 8xy^3 + 28y^4$	-2448		
$-7x^4 + 4x^3y + 8xy^3 + 28y^4$	-2448		
$-7x^4 + 12x^3y + 36x^2y^2 + 48xy^3 + 24y^4$	-2448		
$-5x^4 - 6x^3y + 12x^2y^2 - 34xy^3 + 33y^4$	-2448		
$-5x^4 + 6x^3y + 12x^2y^2 + 34xy^3 + 33y^4$	-2448		
$-4x^4 + 51y^4$	-2448		
$-3x^4 + 68y^4$	-2448		
$-x^4 + 204y^4$	-2448		(1, 0)
$-x^4 + 150x^2y^2 - 1040xy^3 + 2079y^4$	-2448		(1, 0)
$-x^4 + 150x^2y^2 + 1040xy^3 + 2079y^4$	-2448		(1, 0)
$x^4 - 150x^2y^2 - 1040xy^3 - 2079y^4$	-2448	(1, 0)	
$x^4 - 150x^2y^2 + 1040xy^3 - 2079y^4$	-2448	(1, 0)	
$x^4 - 204y^4$	-2448	(1, 0)	
$3x^4 - 68y^4$	-2448		
$4x^4 - 51y^4$	-2448		
$5x^4 - 6x^3y - 12x^2y^2 - 34xy^3 - 33y^4$	-2448		
$5x^4 + 6x^3y - 12x^2y^2 + 34xy^3 - 33y^4$	-2448		
$7x^4 - 12x^3y - 36x^2y^2 - 48xy^3 - 24y^4$	-2448		
$7x^4 - 4x^3y - 8xy^3 - 28y^4$	-2448		
$7x^4 + 4x^3y + 8xy^3 - 28y^4$	-2448		
$7x^4 + 12x^3y - 36x^2y^2 + 48xy^3 - 24y^4$	-2448		
$8x^4 + 16x^3y + 12x^2y^2 + 4xy^3 - 25y^4$	-2448		
$12x^4 - 17y^4$	-2448		
$17x^4 - 12y^4$	-2448		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-3x^4 - 5x^3y - 3x^2y^2 + 4xy^3 + 70y^4$	-2451		
$-3x^4 - 5x^3y + 99x^2y^2 + 436xy^3 + 522y^4$	-2451		
$-3x^4 + 5x^3y - 3x^2y^2 - 4xy^3 + 70y^4$	-2451		
$-3x^4 + 5x^3y + 99x^2y^2 - 436xy^3 + 522y^4$	-2451		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 102y^4$	-2451		
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 102y^4$	-2451		
$3x^4 - 5x^3y - 99x^2y^2 + 436xy^3 - 522y^4$	-2451		
$3x^4 - 5x^3y + 3x^2y^2 + 4xy^3 - 70y^4$	-2451		
$3x^4 + 5x^3y - 99x^2y^2 - 436xy^3 - 522y^4$	-2451		
$3x^4 + 5x^3y + 3x^2y^2 - 4xy^3 - 70y^4$	-2451		
$-6x^4 - 11x^3y - 22xy^3 + 24y^4$	-2454		
$-6x^4 + 11x^3y + 22xy^3 + 24y^4$	-2454		
$-x^4 - x^3y + 153x^2y^2 - 997xy^3 + 1906y^4$	-2454		(1, 0)
$-x^4 + x^3y + 153x^2y^2 + 997xy^3 + 1906y^4$	-2454		(1, 0)
$x^4 - x^3y - 153x^2y^2 - 997xy^3 - 1906y^4$	-2454	(1, 0)	
$x^4 + x^3y - 153x^2y^2 + 997xy^3 - 1906y^4$	-2454	(1, 0)	
$6x^4 - 11x^3y - 22xy^3 - 24y^4$	-2454		
$6x^4 + 11x^3y + 22xy^3 - 24y^4$	-2454		
$-19x^4 - 35x^3y - 24x^2y^2 - 5xy^3 + 11y^4$	-2457		
$-19x^4 + 35x^3y - 24x^2y^2 + 5xy^3 + 11y^4$	-2457		
$-17x^4 - 19x^3y - 3x^2y^2 + 14xy^3 + 16y^4$	-2457	(1, -1)	
$-17x^4 + 19x^3y - 3x^2y^2 - 14xy^3 + 16y^4$	-2457	(1, 1)	
$-16x^4 - 14x^3y + 3x^2y^2 + 19xy^3 + 17y^4$	-2457		(1, -1)
$-16x^4 + 14x^3y + 3x^2y^2 - 19xy^3 + 17y^4$	-2457		(1, 1)
$-11x^4 - 5x^3y + 24x^2y^2 - 35xy^3 + 19y^4$	-2457		
$-11x^4 + 5x^3y + 24x^2y^2 + 35xy^3 + 19y^4$	-2457		
$-8x^4 - 14x^3y + 33x^2y^2 - 41xy^3 + 19y^4$	-2457		
$-8x^4 + 14x^3y + 33x^2y^2 + 41xy^3 + 19y^4$	-2457		
$-4x^4 - 7x^3y + 3x^2y^2 + 38xy^3 + 68y^4$	-2457		
$-4x^4 + 7x^3y + 3x^2y^2 - 38xy^3 + 68y^4$	-2457		
$-2x^4 - x^3y + 42x^2y^2 + 161xy^3 + 196y^4$	-2457		
$-2x^4 + x^3y + 42x^2y^2 - 161xy^3 + 196y^4$	-2457		
$-x^4 - x^3y + 408x^2y^2 + 4721xy^3 + 15257y^4$	-2457		(1, 0)
$-x^4 + x^3y + 408x^2y^2 - 4721xy^3 + 15257y^4$	-2457		(1, 0)
$x^4 - x^3y - 408x^2y^2 + 4721xy^3 - 15257y^4$	-2457	(1, 0)	
$x^4 + x^3y - 408x^2y^2 - 4721xy^3 - 15257y^4$	-2457	(1, 0)	
$2x^4 - x^3y - 42x^2y^2 + 161xy^3 - 196y^4$	-2457		
$2x^4 + x^3y - 42x^2y^2 - 161xy^3 - 196y^4$	-2457		
$4x^4 - 7x^3y - 3x^2y^2 + 38xy^3 - 68y^4$	-2457		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$4x^4 + 7x^3y - 3x^2y^2 - 38xy^3 - 68y^4$	-2457		
$8x^4 - 14x^3y - 33x^2y^2 - 41xy^3 - 19y^4$	-2457		
$8x^4 + 14x^3y - 33x^2y^2 + 41xy^3 - 19y^4$	-2457		
$11x^4 - 5x^3y - 24x^2y^2 - 35xy^3 - 19y^4$	-2457		
$11x^4 + 5x^3y - 24x^2y^2 + 35xy^3 - 19y^4$	-2457		
$16x^4 - 14x^3y - 3x^2y^2 + 19xy^3 - 17y^4$	-2457	(1, 1)	
$16x^4 + 14x^3y - 3x^2y^2 - 19xy^3 - 17y^4$	-2457	(1, -1)	
$17x^4 - 19x^3y + 3x^2y^2 + 14xy^3 - 16y^4$	-2457		(1, 1)
$17x^4 + 19x^3y + 3x^2y^2 - 14xy^3 - 16y^4$	-2457		(1, -1)
$19x^4 - 35x^3y + 24x^2y^2 - 5xy^3 - 11y^4$	-2457		
$19x^4 + 35x^3y + 24x^2y^2 + 5xy^3 - 11y^4$	-2457		
$-16x^4 - 20x^3y + 6x^2y^2 + 32xy^3 + 23y^4$	-2460	(1, -1)	
$-16x^4 - 12x^3y + 12x^2y^2 - 19xy^3 + 10y^4$	-2460		
$-16x^4 + 12x^3y + 12x^2y^2 + 19xy^3 + 10y^4$	-2460		
$-16x^4 + 20x^3y + 6x^2y^2 - 32xy^3 + 23y^4$	-2460	(1, 1)	
$-13x^4 - 12x^3y - 12xy^3 + 13y^4$	-2460		
$-13x^4 + 12x^3y + 12xy^3 + 13y^4$	-2460		
$-10x^4 - 19x^3y - 12x^2y^2 - 12xy^3 + 16y^4$	-2460		
$-10x^4 + 19x^3y - 12x^2y^2 + 12xy^3 + 16y^4$	-2460		
$-9x^4 - 10x^3y + 30x^2y^2 - 40xy^3 + 20y^4$	-2460		
$-9x^4 + 10x^3y + 30x^2y^2 + 40xy^3 + 20y^4$	-2460		
$-8x^4 - 4x^3y + 30x^2y^2 + 64xy^3 + 43y^4$	-2460		
$-8x^4 + 4x^3y + 30x^2y^2 - 64xy^3 + 43y^4$	-2460		
$-6x^4 - x^3y + 3x^2y^2 + 17xy^3 + 35y^4$	-2460		
$-6x^4 + x^3y + 3x^2y^2 - 17xy^3 + 35y^4$	-2460		
$-5x^4 - 4x^3y + 48x^2y^2 - 92xy^3 + 61y^4$	-2460		
$-5x^4 + 41y^4$	-2460		
$-5x^4 + 4x^3y + 48x^2y^2 + 92xy^3 + 61y^4$	-2460		
$-5x^4 + 10x^3y + 30x^2y^2 - 120xy^3 + 116y^4$	-2460		
$-5x^4 + 10x^3y + 30x^2y^2 + 50xy^3 + 31y^4$	-2460		
$-4x^4 - 4x^3y + 6x^2y^2 + 36xy^3 + 61y^4$	-2460		
$-4x^4 + 4x^3y + 6x^2y^2 - 36xy^3 + 61y^4$	-2460		
$-4x^4 + 8x^3y - 6x^2y^2 + 2xy^3 + 51y^4$	-2460		
$-3x^4 - 4x^3y + 20xy^3 + 75y^4$	-2460		
$-3x^4 - 4x^3y + 96x^2y^2 - 268xy^3 + 235y^4$	-2460		
$-3x^4 - x^3y + 36x^2y^2 - 100xy^3 + 96y^4$	-2460		
$-3x^4 + x^3y + 36x^2y^2 + 100xy^3 + 96y^4$	-2460		
$-3x^4 + 4x^3y - 20xy^3 + 75y^4$	-2460		
$-3x^4 + 4x^3y + 96x^2y^2 + 268xy^3 + 235y^4$	-2460		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-x^4 - x^3y + 15x^2y^2 + 105xy^3 + 250y^4$	-2460		(1, 0)
$-x^4 + 205y^4$	-2460		(1, 0)
$-x^4 + 54x^2y^2 - 276xy^3 + 448y^4$	-2460		(1, 0)
$-x^4 + 54x^2y^2 + 276xy^3 + 448y^4$	-2460		(1, 0)
$-x^4 + 120x^2y^2 - 760xy^3 + 1405y^4$	-2460		(1, 0)
$-x^4 + 120x^2y^2 + 760xy^3 + 1405y^4$	-2460		(1, 0)
$-x^4 + 246x^2y^2 - 2132xy^3 + 5248y^4$	-2460		(1, 0)
$-x^4 + 246x^2y^2 + 2132xy^3 + 5248y^4$	-2460		(1, 0)
$-x^4 + x^3y + 15x^2y^2 - 105xy^3 + 250y^4$	-2460		(1, 0)
$-x^4 + 2x^3y + 6x^2y^2 - 72xy^3 + 244y^4$	-2460		(1, 0)
$-x^4 + 2x^3y + 6x^2y^2 + 58xy^3 + 179y^4$	-2460		(1, 0)
$x^4 - x^3y - 15x^2y^2 + 105xy^3 - 250y^4$	-2460	(1, 0)	
$x^4 - 246x^2y^2 - 2132xy^3 - 5248y^4$	-2460	(1, 0)	
$x^4 - 246x^2y^2 + 2132xy^3 - 5248y^4$	-2460	(1, 0)	
$x^4 - 120x^2y^2 - 760xy^3 - 1405y^4$	-2460	(1, 0)	
$x^4 - 120x^2y^2 + 760xy^3 - 1405y^4$	-2460	(1, 0)	
$x^4 - 54x^2y^2 - 276xy^3 - 448y^4$	-2460	(1, 0)	
$x^4 - 54x^2y^2 + 276xy^3 - 448y^4$	-2460	(1, 0)	
$x^4 - 205y^4$	-2460	(1, 0)	
$x^4 + x^3y - 15x^2y^2 - 105xy^3 - 250y^4$	-2460	(1, 0)	
$x^4 + 2x^3y - 6x^2y^2 - 72xy^3 - 244y^4$	-2460	(1, 0)	
$x^4 + 2x^3y - 6x^2y^2 + 58xy^3 - 179y^4$	-2460	(1, 0)	
$3x^4 - 4x^3y - 96x^2y^2 - 268xy^3 - 235y^4$	-2460		
$3x^4 - 4x^3y + 20xy^3 - 75y^4$	-2460		
$3x^4 - x^3y - 36x^2y^2 - 100xy^3 - 96y^4$	-2460		
$3x^4 + x^3y - 36x^2y^2 + 100xy^3 - 96y^4$	-2460		
$3x^4 + 4x^3y - 96x^2y^2 + 268xy^3 - 235y^4$	-2460		
$3x^4 + 4x^3y - 20xy^3 - 75y^4$	-2460		
$4x^4 - 4x^3y - 6x^2y^2 + 36xy^3 - 61y^4$	-2460		
$4x^4 + 4x^3y - 6x^2y^2 - 36xy^3 - 61y^4$	-2460		
$4x^4 + 8x^3y + 6x^2y^2 + 2xy^3 - 51y^4$	-2460		
$5x^4 - 4x^3y - 48x^2y^2 - 92xy^3 - 61y^4$	-2460		
$5x^4 - 41y^4$	-2460		
$5x^4 + 4x^3y - 48x^2y^2 + 92xy^3 - 61y^4$	-2460		
$5x^4 + 10x^3y - 30x^2y^2 - 120xy^3 - 116y^4$	-2460		
$5x^4 + 10x^3y - 30x^2y^2 + 50xy^3 - 31y^4$	-2460		
$6x^4 - x^3y - 3x^2y^2 + 17xy^3 - 35y^4$	-2460		
$6x^4 + x^3y - 3x^2y^2 - 17xy^3 - 35y^4$	-2460		
$8x^4 - 4x^3y - 30x^2y^2 + 64xy^3 - 43y^4$	-2460		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$8x^4 + 4x^3y - 30x^2y^2 - 64xy^3 - 43y^4$	-2460		
$9x^4 - 10x^3y - 30x^2y^2 - 40xy^3 - 20y^4$	-2460		
$9x^4 + 10x^3y - 30x^2y^2 + 40xy^3 - 20y^4$	-2460		
$10x^4 - 19x^3y + 12x^2y^2 - 12xy^3 - 16y^4$	-2460		
$10x^4 + 19x^3y + 12x^2y^2 + 12xy^3 - 16y^4$	-2460		
$13x^4 - 12x^3y - 12xy^3 - 13y^4$	-2460		
$13x^4 + 12x^3y + 12xy^3 - 13y^4$	-2460		
$16x^4 - 20x^3y - 6x^2y^2 + 32xy^3 - 23y^4$	-2460		(1, 1)
$16x^4 - 12x^3y - 12x^2y^2 - 19xy^3 - 10y^4$	-2460		
$16x^4 + 12x^3y - 12x^2y^2 + 19xy^3 - 10y^4$	-2460		
$16x^4 + 20x^3y - 6x^2y^2 - 32xy^3 - 23y^4$	-2460		(1, -1)
$-7x^4 - 3x^3y + 33x^2y^2 + 72xy^3 + 50y^4$	-2463		
$-7x^4 + 3x^3y + 33x^2y^2 - 72xy^3 + 50y^4$	-2463		
$7x^4 - 3x^3y - 33x^2y^2 + 72xy^3 - 50y^4$	-2463		
$7x^4 + 3x^3y - 33x^2y^2 - 72xy^3 - 50y^4$	-2463		
$-2x^4 - 3x^3y + 3x^2y^2 - 33xy^3 + 91y^4$	-2472		
$-2x^4 + 103y^4$	-2472		
$-2x^4 + 3x^3y + 3x^2y^2 + 33xy^3 + 91y^4$	-2472		
$-x^4 + 206y^4$	-2472		(1, 0)
$x^4 - 206y^4$	-2472	(1, 0)	
$2x^4 - 3x^3y - 3x^2y^2 - 33xy^3 - 91y^4$	-2472		
$2x^4 - 103y^4$	-2472		
$2x^4 + 3x^3y - 3x^2y^2 + 33xy^3 - 91y^4$	-2472		
$-8x^4 - 11x^3y + 33x^2y^2 - 44xy^3 + 22y^4$	-2475		
$-8x^4 + 11x^3y + 33x^2y^2 + 44xy^3 + 22y^4$	-2475		
$-6x^4 + 12x^3y - 9x^2y^2 + 3xy^3 + 34y^4$	-2475		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 103y^4$	-2475		
$-2x^4 + 4x^3y + 45x^2y^2 - 219xy^3 + 297y^4$	-2475		
$-2x^4 + 4x^3y + 45x^2y^2 + 125xy^3 + 125y^4$	-2475		
$-x^4 - x^3y + 108x^2y^2 + 715xy^3 + 1357y^4$	-2475		(1, 0)
$-x^4 - x^3y + 309x^2y^2 - 2836xy^3 + 7454y^4$	-2475		(7, 1) (1, 0)
$-x^4 + x^3y + 108x^2y^2 - 715xy^3 + 1357y^4$	-2475		(1, 0)
$-x^4 + x^3y + 309x^2y^2 + 2836xy^3 + 7454y^4$	-2475		(7, -1) (1, 0)
$x^4 - x^3y - 309x^2y^2 - 2836xy^3 - 7454y^4$	-2475	(7, -1) (1, 0)	
$x^4 - x^3y - 108x^2y^2 + 715xy^3 - 1357y^4$	-2475	(1, 0)	
$x^4 + x^3y - 309x^2y^2 + 2836xy^3 - 7454y^4$	-2475	(7, 1) (1, 0)	
$x^4 + x^3y - 108x^2y^2 - 715xy^3 - 1357y^4$	-2475	(1, 0)	
$2x^4 + 4x^3y - 45x^2y^2 - 219xy^3 - 297y^4$	-2475		
$2x^4 + 4x^3y - 45x^2y^2 + 125xy^3 - 125y^4$	-2475		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 103y^4$	-2475		
$6x^4 + 12x^3y + 9x^2y^2 + 3xy^3 - 34y^4$	-2475		
$8x^4 - 11x^3y - 33x^2y^2 - 44xy^3 - 22y^4$	-2475		
$8x^4 + 11x^3y - 33x^2y^2 + 44xy^3 - 22y^4$	-2475		
$-11x^4 - 10x^3y + 6x^2y^2 + 26xy^3 + 25y^4$	-2484		
$-11x^4 + 10x^3y + 6x^2y^2 - 26xy^3 + 25y^4$	-2484		
$-10x^4 - 9x^3y - 3x^2y^2 + xy^3 + 21y^4$	-2484		
$-10x^4 + 9x^3y - 3x^2y^2 - xy^3 + 21y^4$	-2484		
$-9x^4 - x^3y + 15x^2y^2 + 33xy^3 + 26y^4$	-2484		
$-9x^4 + 23y^4$	-2484		
$-9x^4 + 18x^2y^2 - 36xy^3 + 26y^4$	-2484		(1, 1)
$-9x^4 + 18x^2y^2 + 36xy^3 + 26y^4$	-2484		(1, -1)
$-9x^4 + x^3y + 15x^2y^2 - 33xy^3 + 26y^4$	-2484		
$-4x^4 - 7x^3y + 28xy^3 + 64y^4$	-2484		
$-4x^4 - 4x^3y + 102x^2y^2 + 362xy^3 + 359y^4$	-2484		
$-4x^4 + 4x^3y + 102x^2y^2 - 362xy^3 + 359y^4$	-2484		
$-4x^4 + 7x^3y - 28xy^3 + 64y^4$	-2484		
$-x^4 - x^3y + 45x^2y^2 - 207xy^3 + 324y^4$	-2484		(1, 0)
$-x^4 + 207y^4$	-2484		(1, 0)
$-x^4 + 18x^2y^2 - 108xy^3 + 234y^4$	-2484		(1, 0)
$-x^4 + 18x^2y^2 + 108xy^3 + 234y^4$	-2484		(1, 0)
$-x^4 + x^3y + 45x^2y^2 + 207xy^3 + 324y^4$	-2484		(1, 0)
$-x^4 + 2x^3y + 102x^2y^2 - 724xy^3 + 1436y^4$	-2484		(1, 0)
$-x^4 + 2x^3y + 102x^2y^2 + 518xy^3 + 815y^4$	-2484		(1, 0)
$x^4 - x^3y - 45x^2y^2 - 207xy^3 - 324y^4$	-2484	(1, 0)	
$x^4 - 18x^2y^2 - 108xy^3 - 234y^4$	-2484	(1, 0)	
$x^4 - 18x^2y^2 + 108xy^3 - 234y^4$	-2484	(1, 0)	
$x^4 - 207y^4$	-2484	(1, 0)	
$x^4 + x^3y - 45x^2y^2 + 207xy^3 - 324y^4$	-2484	(1, 0)	
$x^4 + 2x^3y - 102x^2y^2 - 724xy^3 - 1436y^4$	-2484	(1, 0)	
$x^4 + 2x^3y - 102x^2y^2 + 518xy^3 - 815y^4$	-2484	(1, 0)	
$4x^4 - 7x^3y + 28xy^3 - 64y^4$	-2484		
$4x^4 - 4x^3y - 102x^2y^2 + 362xy^3 - 359y^4$	-2484		
$4x^4 + 4x^3y - 102x^2y^2 - 362xy^3 - 359y^4$	-2484		
$4x^4 + 7x^3y - 28xy^3 - 64y^4$	-2484		
$9x^4 - x^3y - 15x^2y^2 + 33xy^3 - 26y^4$	-2484		
$9x^4 - 18x^2y^2 - 36xy^3 - 26y^4$	-2484	(1, -1)	
$9x^4 - 18x^2y^2 + 36xy^3 - 26y^4$	-2484	(1, 1)	
$9x^4 - 23y^4$	-2484		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$9x^4 + x^3y - 15x^2y^2 - 33xy^3 - 26y^4$	-2484		
$10x^4 - 9x^3y + 3x^2y^2 + xy^3 - 21y^4$	-2484		
$10x^4 + 9x^3y + 3x^2y^2 - xy^3 - 21y^4$	-2484		
$11x^4 - 10x^3y - 6x^2y^2 + 26xy^3 - 25y^4$	-2484		
$11x^4 + 10x^3y - 6x^2y^2 - 26xy^3 - 25y^4$	-2484		
$-5x^4 - 7x^3y + 51x^2y^2 - 88xy^3 + 54y^4$	-2487		
$-5x^4 + 7x^3y + 51x^2y^2 + 88xy^3 + 54y^4$	-2487		
$5x^4 - 7x^3y - 51x^2y^2 - 88xy^3 - 54y^4$	-2487		
$5x^4 + 7x^3y - 51x^2y^2 + 88xy^3 - 54y^4$	-2487		
$-19x^4 - 33x^3y - 21x^2y^2 - 2xy^3 + 12y^4$	-2493		
$-19x^4 + 33x^3y - 21x^2y^2 + 2xy^3 + 12y^4$	-2493		
$-12x^4 - 2x^3y + 21x^2y^2 - 33xy^3 + 19y^4$	-2493		
$-12x^4 + 2x^3y + 21x^2y^2 + 33xy^3 + 19y^4$	-2493		
$-7x^4 - 11x^3y + 45x^2y^2 + 138xy^3 + 108y^4$	-2493		
$-7x^4 + 11x^3y + 45x^2y^2 - 138xy^3 + 108y^4$	-2493		
$-3x^4 - x^3y + 21x^2y^2 - 66xy^3 + 76y^4$	-2493		
$-3x^4 + x^3y + 21x^2y^2 + 66xy^3 + 76y^4$	-2493		
$3x^4 - x^3y - 21x^2y^2 - 66xy^3 - 76y^4$	-2493		
$3x^4 + x^3y - 21x^2y^2 + 66xy^3 - 76y^4$	-2493		
$7x^4 - 11x^3y - 45x^2y^2 + 138xy^3 - 108y^4$	-2493		
$7x^4 + 11x^3y - 45x^2y^2 - 138xy^3 - 108y^4$	-2493		
$12x^4 - 2x^3y - 21x^2y^2 - 33xy^3 - 19y^4$	-2493		
$12x^4 + 2x^3y - 21x^2y^2 + 33xy^3 - 19y^4$	-2493		
$19x^4 - 33x^3y + 21x^2y^2 - 2xy^3 - 12y^4$	-2493		
$19x^4 + 33x^3y + 21x^2y^2 + 2xy^3 - 12y^4$	-2493		
$-17x^4 - 18x^3y + 18xy^3 + 17y^4$	-2496		
$-17x^4 + 18x^3y - 18xy^3 + 17y^4$	-2496		
$-16x^4 + 13y^4$	-2496		
$-13x^4 + 16y^4$	-2496		
$-7x^4 - 4x^3y + 30x^2y^2 - 52xy^3 + 33y^4$	-2496		
$-7x^4 + 4x^3y + 30x^2y^2 + 52xy^3 + 33y^4$	-2496		
$-3x^4 - 4x^3y + 6x^2y^2 + 44xy^3 + 85y^4$	-2496		
$-3x^4 - 4x^3y + 24x^2y^2 - 64xy^3 + 64y^4$	-2496		
$-3x^4 + 4x^3y + 6x^2y^2 - 44xy^3 + 85y^4$	-2496		
$-3x^4 + 4x^3y + 24x^2y^2 + 64xy^3 + 64y^4$	-2496		
$-x^4 + 208y^4$	-2496		(1, 0)
$x^4 - 208y^4$	-2496	(1, 0)	
$3x^4 - 4x^3y - 24x^2y^2 - 64xy^3 - 64y^4$	-2496		
$3x^4 - 4x^3y - 6x^2y^2 + 44xy^3 - 85y^4$	-2496		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$3x^4 + 4x^3y - 24x^2y^2 + 64xy^3 - 64y^4$	-2496		
$3x^4 + 4x^3y - 6x^2y^2 - 44xy^3 - 85y^4$	-2496		
$7x^4 - 4x^3y - 30x^2y^2 - 52xy^3 - 33y^4$	-2496		
$7x^4 + 4x^3y - 30x^2y^2 + 52xy^3 - 33y^4$	-2496		
$13x^4 - 16y^4$	-2496		
$16x^4 - 13y^4$	-2496		
$17x^4 - 18x^3y + 18xy^3 - 17y^4$	-2496		
$17x^4 + 18x^3y - 18xy^3 - 17y^4$	-2496		
$-6x^4 - 5x^3y + 9x^2y^2 - 28xy^3 + 30y^4$	-2499		
$-6x^4 + 5x^3y + 9x^2y^2 + 28xy^3 + 30y^4$	-2499		
$-4x^4 - x^3y + 78x^2y^2 - 205xy^3 + 166y^4$	-2499		
$-4x^4 + x^3y + 78x^2y^2 + 205xy^3 + 166y^4$	-2499		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 104y^4$	-2499		
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 104y^4$	-2499		
$4x^4 - x^3y - 78x^2y^2 - 205xy^3 - 166y^4$	-2499		
$4x^4 + x^3y - 78x^2y^2 + 205xy^3 - 166y^4$	-2499		
$6x^4 - 5x^3y - 9x^2y^2 - 28xy^3 - 30y^4$	-2499		
$6x^4 + 5x^3y - 9x^2y^2 + 28xy^3 - 30y^4$	-2499		
$-7x^4 - 5x^3y - 10xy^3 + 28y^4$	-2502		
$-7x^4 + 5x^3y + 10xy^3 + 28y^4$	-2502		
$-4x^4 - x^3y + 27x^2y^2 - 69xy^3 + 63y^4$	-2502		
$-4x^4 + x^3y + 27x^2y^2 + 69xy^3 + 63y^4$	-2502		
$4x^4 - x^3y - 27x^2y^2 - 69xy^3 - 63y^4$	-2502		
$4x^4 + x^3y - 27x^2y^2 + 69xy^3 - 63y^4$	-2502		
$7x^4 - 5x^3y - 10xy^3 - 28y^4$	-2502		
$7x^4 + 5x^3y + 10xy^3 - 28y^4$	-2502		
$-19x^4 + 11y^4$	-2508		
$-16x^4 - 16x^3y - 6x^2y^2 - xy^3 + 13y^4$	-2508		
$-16x^4 + 16x^3y - 6x^2y^2 + xy^3 + 13y^4$	-2508		
$-15x^4 - 8x^3y + 8xy^3 + 15y^4$	-2508		
$-15x^4 + 8x^3y - 8xy^3 + 15y^4$	-2508		
$-13x^4 - x^3y + 6x^2y^2 - 16xy^3 + 16y^4$	-2508		
$-13x^4 + x^3y + 6x^2y^2 + 16xy^3 + 16y^4$	-2508		
$-11x^4 + 19y^4$	-2508		
$-8x^4 - 4x^3y + 18x^2y^2 + 44xy^3 + 35y^4$	-2508		
$-8x^4 + 4x^3y + 18x^2y^2 - 44xy^3 + 35y^4$	-2508		
$-5x^4 - 8x^3y + 72x^2y^2 - 128xy^3 + 77y^4$	-2508		
$-5x^4 + 8x^3y + 72x^2y^2 + 128xy^3 + 77y^4$	-2508		
$-x^4 + 209y^4$	-2508		(1, 0)

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$x^4 - 209y^4$	-2508	(1, 0)	
$5x^4 - 8x^3y - 72x^2y^2 - 128xy^3 - 77y^4$	-2508		
$5x^4 + 8x^3y - 72x^2y^2 + 128xy^3 - 77y^4$	-2508		
$8x^4 - 4x^3y - 18x^2y^2 + 44xy^3 - 35y^4$	-2508		
$8x^4 + 4x^3y - 18x^2y^2 - 44xy^3 - 35y^4$	-2508		
$11x^4 - 19y^4$	-2508		
$13x^4 - x^3y - 6x^2y^2 - 16xy^3 - 16y^4$	-2508		
$13x^4 + x^3y - 6x^2y^2 + 16xy^3 - 16y^4$	-2508		
$15x^4 - 8x^3y + 8xy^3 - 15y^4$	-2508		
$15x^4 + 8x^3y - 8xy^3 - 15y^4$	-2508		
$16x^4 - 16x^3y + 6x^2y^2 - xy^3 - 13y^4$	-2508		
$16x^4 + 16x^3y + 6x^2y^2 + xy^3 - 13y^4$	-2508		
$19x^4 - 11y^4$	-2508		
$-2x^4 + 3x^2y^2 - 29xy^3 + 105y^4$	-2511		
$-2x^4 + 3x^2y^2 + 29xy^3 + 105y^4$	-2511		
$2x^4 - 3x^2y^2 - 29xy^3 - 105y^4$	-2511		
$2x^4 - 3x^2y^2 + 29xy^3 - 105y^4$	-2511		
$-15x^4 + 14y^4$	-2520		(1, 1) (1, -1)
$-14x^4 + 15y^4$	-2520	(1, 1) (1, -1)	
$-10x^4 + 21y^4$	-2520		
$-9x^4 - 6x^3y + 10xy^3 + 25y^4$	-2520		
$-9x^4 + 6x^3y - 10xy^3 + 25y^4$	-2520		
$-7x^4 + 30y^4$	-2520		
$-6x^4 + 35y^4$	-2520		
$-5x^4 + 42y^4$	-2520		
$-4x^4 - 4x^3y - 14xy^3 + 49y^4$	-2520		
$-4x^4 + 4x^3y + 14xy^3 + 49y^4$	-2520		
$-3x^4 - 2x^3y + 60x^2y^2 - 162xy^3 + 143y^4$	-2520		
$-3x^4 + 70y^4$	-2520		
$-3x^4 + 2x^3y + 60x^2y^2 + 162xy^3 + 143y^4$	-2520		
$-2x^4 + 105y^4$	-2520		
$-x^4 + 210y^4$	-2520		(1, 0)
$-x^4 + 2x^3y - 30xy^3 + 225y^4$	-2520		(1, 0)
$-x^4 + 2x^3y + 28xy^3 + 196y^4$	-2520		(1, 0)
$x^4 - 210y^4$	-2520	(1, 0)	
$x^4 + 2x^3y - 30xy^3 - 225y^4$	-2520	(1, 0)	
$x^4 + 2x^3y + 28xy^3 - 196y^4$	-2520	(1, 0)	
$2x^4 - 105y^4$	-2520		
$3x^4 - 2x^3y - 60x^2y^2 - 162xy^3 - 143y^4$	-2520		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$3x^4 - 70y^4$	-2520		
$3x^4 + 2x^3y - 60x^2y^2 + 162xy^3 - 143y^4$	-2520		
$4x^4 - 4x^3y - 14xy^3 - 49y^4$	-2520		
$4x^4 + 4x^3y + 14xy^3 - 49y^4$	-2520		
$5x^4 - 42y^4$	-2520		
$6x^4 - 35y^4$	-2520		
$7x^4 - 30y^4$	-2520		
$9x^4 - 6x^3y + 10xy^3 - 25y^4$	-2520		
$9x^4 + 6x^3y - 10xy^3 - 25y^4$	-2520		
$10x^4 - 21y^4$	-2520		
$14x^4 - 15y^4$	-2520		(1, 1) (1, -1)
$15x^4 - 14y^4$	-2520	(1, 1) (1, -1)	
$-10x^4 - 19x^3y + 3x^2y^2 + 44xy^3 + 42y^4$	-2523		
$-10x^4 + 19x^3y + 3x^2y^2 - 44xy^3 + 42y^4$	-2523		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 105y^4$	-2523		
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 105y^4$	-2523		
$10x^4 - 19x^3y - 3x^2y^2 + 44xy^3 - 42y^4$	-2523		
$10x^4 + 19x^3y - 3x^2y^2 - 44xy^3 - 42y^4$	-2523		
$-x^4 + 211y^4$	-2532		(1, 0)
$x^4 - 211y^4$	-2532	(1, 0)	
$-11x^4 - 19x^3y - 19xy^3 + 11y^4$	-2535		
$-11x^4 + 19x^3y + 19xy^3 + 11y^4$	-2535		
$-x^4 - x^3y + 315x^2y^2 - 2920xy^3 + 7750y^4$	-2535	(7, 1)	(1, 0)
$-x^4 + x^3y + 315x^2y^2 + 2920xy^3 + 7750y^4$	-2535	(7, -1)	(1, 0)
$x^4 - x^3y - 315x^2y^2 - 2920xy^3 - 7750y^4$	-2535	(1, 0)	(7, -1)
$x^4 + x^3y - 315x^2y^2 + 2920xy^3 - 7750y^4$	-2535	(1, 0)	(7, 1)
$11x^4 - 19x^3y - 19xy^3 - 11y^4$	-2535		
$11x^4 + 19x^3y + 19xy^3 - 11y^4$	-2535		
$-4x^4 - 6x^3y + 6x^2y^2 - 31xy^3 + 42y^4$	-2538		
$-4x^4 + 6x^3y + 6x^2y^2 + 31xy^3 + 42y^4$	-2538		
$-x^4 - x^3y + 9x^2y^2 + 79xy^3 + 238y^4$	-2538		(1, 0)
$-x^4 + x^3y + 9x^2y^2 - 79xy^3 + 238y^4$	-2538		(1, 0)
$x^4 - x^3y - 9x^2y^2 + 79xy^3 - 238y^4$	-2538	(1, 0)	
$x^4 + x^3y - 9x^2y^2 - 79xy^3 - 238y^4$	-2538	(1, 0)	
$4x^4 - 6x^3y - 6x^2y^2 - 31xy^3 - 42y^4$	-2538		
$4x^4 + 6x^3y - 6x^2y^2 + 31xy^3 - 42y^4$	-2538		
$-8x^4 - 10x^3y - 3x^2y^2 + 11xy^3 + 30y^4$	-2541		
$-8x^4 + 10x^3y - 3x^2y^2 - 11xy^3 + 30y^4$	-2541		
$-2x^4 - 3x^3y - 21xy^3 + 98y^4$	-2541		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-2x^4 + 3x^3y + 21xy^3 + 98y^4$	-2541		
$2x^4 - 3x^3y - 21xy^3 - 98y^4$	-2541		
$2x^4 + 3x^3y + 21xy^3 - 98y^4$	-2541		
$8x^4 - 10x^3y + 3x^2y^2 + 11xy^3 - 30y^4$	-2541		
$8x^4 + 10x^3y + 3x^2y^2 - 11xy^3 - 30y^4$	-2541		
$-4x^4 + 53y^4$	-2544		
$-x^4 + 212y^4$	-2544		(1, 0)
$-x^4 + 2x^3y + 72x^2y^2 - 472xy^3 + 880y^4$	-2544		(1, 0)
$-x^4 + 2x^3y + 72x^2y^2 + 326xy^3 + 481y^4$	-2544		(1, 0)
$x^4 - 212y^4$	-2544	(1, 0)	
$x^4 + 2x^3y - 72x^2y^2 - 472xy^3 - 880y^4$	-2544	(1, 0)	
$x^4 + 2x^3y - 72x^2y^2 + 326xy^3 - 481y^4$	-2544	(1, 0)	
$4x^4 - 53y^4$	-2544		
$-19x^4 - 31x^3y - 18x^2y^2 + xy^3 + 13y^4$	-2547		
$-19x^4 + 31x^3y - 18x^2y^2 - xy^3 + 13y^4$	-2547		
$-13x^4 - x^3y + 18x^2y^2 + 31xy^3 + 19y^4$	-2547		
$-13x^4 + x^3y + 18x^2y^2 - 31xy^3 + 19y^4$	-2547		
$-6x^4 - 4x^3y + 63x^2y^2 + 159xy^3 + 117y^4$	-2547		
$-6x^4 + 4x^3y + 63x^2y^2 - 159xy^3 + 117y^4$	-2547		
$-6x^4 + 12x^3y - 9x^2y^2 + 3xy^3 + 35y^4$	-2547		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 106y^4$	-2547		
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 106y^4$	-2547		
$6x^4 - 4x^3y - 63x^2y^2 + 159xy^3 - 117y^4$	-2547		
$6x^4 + 4x^3y - 63x^2y^2 - 159xy^3 - 117y^4$	-2547		
$6x^4 + 12x^3y + 9x^2y^2 + 3xy^3 - 35y^4$	-2547		
$13x^4 - x^3y - 18x^2y^2 + 31xy^3 - 19y^4$	-2547		
$13x^4 + x^3y - 18x^2y^2 - 31xy^3 - 19y^4$	-2547		
$19x^4 - 31x^3y + 18x^2y^2 + xy^3 - 13y^4$	-2547		
$19x^4 + 31x^3y + 18x^2y^2 - xy^3 - 13y^4$	-2547		
$-10x^4 - x^3y + 3x^2y^2 - 13xy^3 + 21y^4$	-2550		
$-10x^4 + x^3y + 3x^2y^2 + 13xy^3 + 21y^4$	-2550		
$-7x^4 - 9x^3y + 54x^2y^2 - 78xy^3 + 40y^4$	-2550		
$-7x^4 + 9x^3y + 54x^2y^2 + 78xy^3 + 40y^4$	-2550		
$7x^4 - 9x^3y - 54x^2y^2 - 78xy^3 - 40y^4$	-2550		
$7x^4 + 9x^3y - 54x^2y^2 + 78xy^3 - 40y^4$	-2550		
$10x^4 - x^3y - 3x^2y^2 - 13xy^3 - 21y^4$	-2550		
$10x^4 + x^3y - 3x^2y^2 + 13xy^3 - 21y^4$	-2550		
$-15x^4 - 7x^3y + 7xy^3 + 15y^4$	-2553		
$-15x^4 + 7x^3y - 7xy^3 + 15y^4$	-2553		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$15x^4 - 7x^3y + 7xy^3 - 15y^4$	-2553	(1, 0)	(1, 0)
$15x^4 + 7x^3y - 7xy^3 - 15y^4$	-2553		
$-17x^4 - 6x^3y + 18x^2y^2 - 24xy^3 + 12y^4$	-2556		
$-17x^4 + 6x^3y + 18x^2y^2 + 24xy^3 + 12y^4$	-2556		
$-12x^4 + 24x^3y - 18x^2y^2 + 6xy^3 + 17y^4$	-2556		
$-5x^4 - 4x^3y + 12xy^3 + 45y^4$	-2556		
$-5x^4 + 4x^3y - 12xy^3 + 45y^4$	-2556		
$-4x^4 + 8x^3y - 6x^2y^2 + 2xy^3 + 53y^4$	-2556		
$-3x^4 - 5x^3y + 42x^2y^2 - 96xy^3 + 80y^4$	-2556		
$-3x^4 + 71y^4$	-2556		
$-3x^4 + 5x^3y + 42x^2y^2 + 96xy^3 + 80y^4$	-2556		
$-2x^4 - 3x^3y + 21x^2y^2 + 107xy^3 + 165y^4$	-2556		
$-2x^4 + 3x^3y + 21x^2y^2 - 107xy^3 + 165y^4$	-2556		
$-x^4 + 213y^4$	-2556		
$x^4 - 213y^4$	-2556		
$2x^4 - 3x^3y - 21x^2y^2 + 107xy^3 - 165y^4$	-2556		
$2x^4 + 3x^3y - 21x^2y^2 - 107xy^3 - 165y^4$	-2556		
$3x^4 - 5x^3y - 42x^2y^2 - 96xy^3 - 80y^4$	-2556		
$3x^4 - 71y^4$	-2556		
$3x^4 + 5x^3y - 42x^2y^2 + 96xy^3 - 80y^4$	-2556		
$4x^4 + 8x^3y + 6x^2y^2 + 2xy^3 - 53y^4$	-2556		
$5x^4 - 4x^3y + 12xy^3 - 45y^4$	-2556		
$5x^4 + 4x^3y - 12xy^3 - 45y^4$	-2556		
$12x^4 + 24x^3y + 18x^2y^2 + 6xy^3 - 17y^4$	-2556		
$17x^4 - 6x^3y - 18x^2y^2 - 24xy^3 - 12y^4$	-2556		
$17x^4 + 6x^3y - 18x^2y^2 + 24xy^3 - 12y^4$	-2556		
$-9x^4 - 13x^3y + 15x^2y^2 + 56xy^3 + 46y^4$	-2559		
$-9x^4 + 13x^3y + 15x^2y^2 - 56xy^3 + 46y^4$	-2559		
$9x^4 - 13x^3y - 15x^2y^2 + 56xy^3 - 46y^4$	-2559		
$9x^4 + 13x^3y - 15x^2y^2 - 56xy^3 - 46y^4$	-2559		
$-16x^4 - 13x^3y + 13xy^3 + 16y^4$	-2565		
$-16x^4 + 13x^3y - 13xy^3 + 16y^4$	-2565		
$-8x^4 - 2x^3y + 9x^2y^2 - 25xy^3 + 26y^4$	-2565		
$-8x^4 + 2x^3y + 9x^2y^2 + 25xy^3 + 26y^4$	-2565		
$-2x^4 - x^3y + 9x^2y^2 - 50xy^3 + 104y^4$	-2565		
$-2x^4 + x^3y + 9x^2y^2 + 50xy^3 + 104y^4$	-2565		
$2x^4 - x^3y - 9x^2y^2 - 50xy^3 - 104y^4$	-2565		
$2x^4 + x^3y - 9x^2y^2 + 50xy^3 - 104y^4$	-2565		
$8x^4 - 2x^3y - 9x^2y^2 - 25xy^3 - 26y^4$	-2565		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$8x^4 + 2x^3y - 9x^2y^2 + 25xy^3 - 26y^4$	-2565	(1, 0)	(1, 0)
$16x^4 - 13x^3y + 13xy^3 - 16y^4$	-2565		
$16x^4 + 13x^3y - 13xy^3 - 16y^4$	-2565		
$-7x^4 - 6x^3y - 12xy^3 + 28y^4$	-2568		
$-7x^4 + 6x^3y + 12xy^3 + 28y^4$	-2568		
$-2x^4 + 107y^4$	-2568		
$-x^4 + 214y^4$	-2568		
$x^4 - 214y^4$	-2568		
$2x^4 - 107y^4$	-2568		
$7x^4 - 6x^3y - 12xy^3 - 28y^4$	-2568		
$7x^4 + 6x^3y + 12xy^3 - 28y^4$	-2568		
$-2x^4 - 3x^3y + 156x^2y^2 + 909xy^3 + 1462y^4$	-2571		
$-2x^4 + 3x^3y + 156x^2y^2 - 909xy^3 + 1462y^4$	-2571		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 107y^4$	-2571		
$2x^4 - 3x^3y - 156x^2y^2 + 909xy^3 - 1462y^4$	-2571		
$2x^4 + 3x^3y - 156x^2y^2 - 909xy^3 - 1462y^4$	-2571		
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 107y^4$	-2571		
$-9x^4 - 3x^3y + 18x^2y^2 - 34xy^3 + 24y^4$	-2574		
$-9x^4 + 3x^3y + 18x^2y^2 + 34xy^3 + 24y^4$	-2574		
$-6x^4 - 7x^3y - 3x^2y^2 - 3xy^3 + 35y^4$	-2574		
$-6x^4 + 7x^3y - 3x^2y^2 + 3xy^3 + 35y^4$	-2574		
$-4x^4 - 2x^3y + 18x^2y^2 - 51xy^3 + 54y^4$	-2574		
$-4x^4 + 2x^3y + 18x^2y^2 + 51xy^3 + 54y^4$	-2574		
$-x^4 - x^3y + 18x^2y^2 - 102xy^3 + 216y^4$	-2574		
$-x^4 + x^3y + 18x^2y^2 + 102xy^3 + 216y^4$	-2574		
$x^4 - x^3y - 18x^2y^2 - 102xy^3 - 216y^4$	-2574		
$x^4 + x^3y - 18x^2y^2 + 102xy^3 - 216y^4$	-2574		
$4x^4 - 2x^3y - 18x^2y^2 - 51xy^3 - 54y^4$	-2574		
$4x^4 + 2x^3y - 18x^2y^2 + 51xy^3 - 54y^4$	-2574		
$6x^4 - 7x^3y + 3x^2y^2 - 3xy^3 - 35y^4$	-2574		
$6x^4 + 7x^3y + 3x^2y^2 + 3xy^3 - 35y^4$	-2574		
$9x^4 - 3x^3y - 18x^2y^2 - 34xy^3 - 24y^4$	-2574		
$9x^4 + 3x^3y - 18x^2y^2 + 34xy^3 - 24y^4$	-2574		
$-6x^4 - 5x^3y + 21x^2y^2 - 43xy^3 + 33y^4$	-2580		
$-6x^4 + 5x^3y + 21x^2y^2 + 43xy^3 + 33y^4$	-2580		
$-5x^4 + 43y^4$	-2580		
$-x^4 + 215y^4$	-2580		
$x^4 - 215y^4$	-2580		
$5x^4 - 43y^4$	-2580		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$6x^4 - 5x^3y - 21x^2y^2 - 43xy^3 - 33y^4$	-2580	(1, 0)	(1, 0)
$6x^4 + 5x^3y - 21x^2y^2 + 43xy^3 - 33y^4$	-2580		
$-5x^4 - 9x^3y + 21x^2y^2 + 88xy^3 + 90y^4$	-2583		
$-5x^4 + 9x^3y + 21x^2y^2 - 88xy^3 + 90y^4$	-2583		
$-3x^4 - x^3y + 3x^2y^2 - 24xy^3 + 70y^4$	-2583		
$-3x^4 + x^3y + 3x^2y^2 + 24xy^3 + 70y^4$	-2583		
$3x^4 - x^3y - 3x^2y^2 - 24xy^3 - 70y^4$	-2583		
$3x^4 + x^3y - 3x^2y^2 + 24xy^3 - 70y^4$	-2583		
$5x^4 - 9x^3y - 21x^2y^2 + 88xy^3 - 90y^4$	-2583		
$5x^4 + 9x^3y - 21x^2y^2 - 88xy^3 - 90y^4$	-2583		
$-8x^4 - 9x^3y + 18xy^3 + 32y^4$	-2586		
$-8x^4 + 9x^3y - 18xy^3 + 32y^4$	-2586		
$8x^4 - 9x^3y + 18xy^3 - 32y^4$	-2586		
$8x^4 + 9x^3y - 18xy^3 - 32y^4$	-2586		
$-8x^4 + 27y^4$	-2592		
$-x^4 + 216y^4$	-2592		
$x^4 - 216y^4$	-2592		
$8x^4 - 27y^4$	-2592		
$-14x^4 - 9x^3y - 9xy^3 + 14y^4$	-2595		
$-14x^4 + 9x^3y + 9xy^3 + 14y^4$	-2595		
$-12x^4 - 17x^3y - 17xy^3 + 12y^4$	-2595		
$-12x^4 + 17x^3y + 17xy^3 + 12y^4$	-2595		
$-10x^4 + 20x^3y - 15x^2y^2 + 5xy^3 + 21y^4$	-2595		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 108y^4$	-2595		
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 108y^4$	-2595		
$10x^4 + 20x^3y + 15x^2y^2 + 5xy^3 - 21y^4$	-2595		
$12x^4 - 17x^3y - 17xy^3 - 12y^4$	-2595		
$12x^4 + 17x^3y + 17xy^3 - 12y^4$	-2595		
$14x^4 - 9x^3y - 9xy^3 - 14y^4$	-2595		
$14x^4 + 9x^3y + 9xy^3 - 14y^4$	-2595		
$-12x^4 - 23x^3y - 3x^2y^2 - 19xy^3 + 9y^4$	-2598		
$-12x^4 + 23x^3y - 3x^2y^2 + 19xy^3 + 9y^4$	-2598		
$-9x^4 - 17x^3y + 6x^2y^2 + 50xy^3 + 48y^4$	-2598		
$-9x^4 + 17x^3y + 6x^2y^2 - 50xy^3 + 48y^4$	-2598		
$-3x^4 - 5x^3y + 42x^2y^2 + 170xy^3 + 192y^4$	-2598		
$-3x^4 + 5x^3y + 42x^2y^2 - 170xy^3 + 192y^4$	-2598		
$3x^4 - 5x^3y - 42x^2y^2 + 170xy^3 - 192y^4$	-2598		
$3x^4 + 5x^3y - 42x^2y^2 - 170xy^3 - 192y^4$	-2598		
$9x^4 - 17x^3y - 6x^2y^2 + 50xy^3 - 48y^4$	-2598		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$9x^4 + 17x^3y - 6x^2y^2 - 50xy^3 - 48y^4$	-2598		
$12x^4 - 23x^3y + 3x^2y^2 - 19xy^3 - 9y^4$	-2598		
$12x^4 + 23x^3y + 3x^2y^2 + 19xy^3 - 9y^4$	-2598		
$-19x^4 - 24x^3y + 24xy^3 + 19y^4$	-2604		
$-19x^4 + 24x^3y - 24xy^3 + 19y^4$	-2604		
$-7x^4 + 31y^4$	-2604		
$-6x^4 - 5x^3y + 9x^2y^2 + 37xy^3 + 45y^4$	-2604		
$-6x^4 + 5x^3y + 9x^2y^2 - 37xy^3 + 45y^4$	-2604		
$-5x^4 - 4x^3y + 42x^2y^2 + 116xy^3 + 96y^4$	-2604		
$-5x^4 + 4x^3y + 42x^2y^2 - 116xy^3 + 96y^4$	-2604		
$-x^4 - x^3y + 30x^2y^2 + 176xy^3 + 336y^4$	-2604		(1, 0)
$-x^4 + 217y^4$	-2604		(1, 0)
$-x^4 + x^3y + 30x^2y^2 - 176xy^3 + 336y^4$	-2604		(1, 0)
$x^4 - x^3y - 30x^2y^2 + 176xy^3 - 336y^4$	-2604	(1, 0)	
$x^4 - 217y^4$	-2604	(1, 0)	
$x^4 + x^3y - 30x^2y^2 - 176xy^3 - 336y^4$	-2604	(1, 0)	
$5x^4 - 4x^3y - 42x^2y^2 + 116xy^3 - 96y^4$	-2604		
$5x^4 + 4x^3y - 42x^2y^2 - 116xy^3 - 96y^4$	-2604		
$6x^4 - 5x^3y - 9x^2y^2 + 37xy^3 - 45y^4$	-2604		
$6x^4 + 5x^3y - 9x^2y^2 - 37xy^3 - 45y^4$	-2604		
$7x^4 - 31y^4$	-2604		
$19x^4 - 24x^3y + 24xy^3 - 19y^4$	-2604		
$19x^4 + 24x^3y - 24xy^3 - 19y^4$	-2604		
$-10x^4 - 8x^3y + 27x^2y^2 + 61xy^3 + 40y^4$	-2607		
$-10x^4 + 8x^3y + 27x^2y^2 - 61xy^3 + 40y^4$	-2607		
$-4x^4 - 7x^3y + 54x^2y^2 - 103xy^3 + 70y^4$	-2607		
$-4x^4 + 7x^3y + 54x^2y^2 + 103xy^3 + 70y^4$	-2607		
$4x^4 - 7x^3y - 54x^2y^2 - 103xy^3 - 70y^4$	-2607		
$4x^4 + 7x^3y - 54x^2y^2 + 103xy^3 - 70y^4$	-2607		
$10x^4 - 8x^3y - 27x^2y^2 + 61xy^3 - 40y^4$	-2607		
$10x^4 + 8x^3y - 27x^2y^2 - 61xy^3 - 40y^4$	-2607		
$-18x^4 - 21x^3y - 14xy^3 + 8y^4$	-2610		
$-18x^4 + 21x^3y + 14xy^3 + 8y^4$	-2610		
$-17x^4 - 31x^3y - 18x^2y^2 - 14xy^3 + 8y^4$	-2610		
$-17x^4 + 31x^3y - 18x^2y^2 + 14xy^3 + 8y^4$	-2610		
$-16x^4 - 18x^3y + 6x^2y^2 - 17xy^3 + 9y^4$	-2610		
$-16x^4 + 18x^3y + 6x^2y^2 + 17xy^3 + 9y^4$	-2610		
$-9x^4 - 17x^3y - 6x^2y^2 - 18xy^3 + 16y^4$	-2610		
$-9x^4 - 3x^3y + 45x^2y^2 + 85xy^3 + 50y^4$	-2610		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-9x^4 + 3x^3y + 45x^2y^2 - 85xy^3 + 50y^4$	-2610		
$-9x^4 + 17x^3y - 6x^2y^2 + 18xy^3 + 16y^4$	-2610		
$-8x^4 - 14x^3y - 21xy^3 + 18y^4$	-2610		
$-8x^4 - 14x^3y + 18x^2y^2 - 31xy^3 + 17y^4$	-2610		
$-8x^4 + 14x^3y + 21xy^3 + 18y^4$	-2610		
$-8x^4 + 14x^3y + 18x^2y^2 + 31xy^3 + 17y^4$	-2610		
$-4x^4 - 7x^3y + 9x^2y^2 + 57xy^3 + 81y^4$	-2610		
$-4x^4 - 6x^3y + 42x^2y^2 - 83xy^3 + 60y^4$	-2610		
$-4x^4 + 6x^3y + 42x^2y^2 + 83xy^3 + 60y^4$	-2610		
$-4x^4 + 7x^3y + 9x^2y^2 - 57xy^3 + 81y^4$	-2610		
$-2x^4 - x^3y + 9x^2y^2 + 55xy^3 + 119y^4$	-2610		
$-2x^4 - x^3y + 27x^2y^2 + 111xy^3 + 153y^4$	-2610		
$-2x^4 + x^3y + 9x^2y^2 - 55xy^3 + 119y^4$	-2610		
$-2x^4 + x^3y + 27x^2y^2 - 111xy^3 + 153y^4$	-2610		
$-x^4 - x^3y + 45x^2y^2 + 255xy^3 + 450y^4$	-2610		(1, 0)
$-x^4 + x^3y + 45x^2y^2 - 255xy^3 + 450y^4$	-2610		(1, 0)
$x^4 - x^3y - 45x^2y^2 + 255xy^3 - 450y^4$	-2610	(1, 0)	
$x^4 + x^3y - 45x^2y^2 - 255xy^3 - 450y^4$	-2610	(1, 0)	
$2x^4 - x^3y - 27x^2y^2 + 111xy^3 - 153y^4$	-2610		
$2x^4 - x^3y - 9x^2y^2 + 55xy^3 - 119y^4$	-2610		
$2x^4 + x^3y - 27x^2y^2 - 111xy^3 - 153y^4$	-2610		
$2x^4 + x^3y - 9x^2y^2 - 55xy^3 - 119y^4$	-2610		
$4x^4 - 7x^3y - 9x^2y^2 + 57xy^3 - 81y^4$	-2610		
$4x^4 - 6x^3y - 42x^2y^2 - 83xy^3 - 60y^4$	-2610		
$4x^4 + 6x^3y - 42x^2y^2 + 83xy^3 - 60y^4$	-2610		
$4x^4 + 7x^3y - 9x^2y^2 - 57xy^3 - 81y^4$	-2610		
$8x^4 - 14x^3y - 18x^2y^2 - 31xy^3 - 17y^4$	-2610		
$8x^4 - 14x^3y - 21xy^3 - 18y^4$	-2610		
$8x^4 + 14x^3y - 18x^2y^2 + 31xy^3 - 17y^4$	-2610		
$8x^4 + 14x^3y + 21xy^3 - 18y^4$	-2610		
$9x^4 - 17x^3y + 6x^2y^2 - 18xy^3 - 16y^4$	-2610		
$9x^4 - 3x^3y - 45x^2y^2 + 85xy^3 - 50y^4$	-2610		
$9x^4 + 3x^3y - 45x^2y^2 - 85xy^3 - 50y^4$	-2610		
$9x^4 + 17x^3y + 6x^2y^2 + 18xy^3 - 16y^4$	-2610		
$16x^4 - 18x^3y - 6x^2y^2 - 17xy^3 - 9y^4$	-2610		
$16x^4 + 18x^3y - 6x^2y^2 + 17xy^3 - 9y^4$	-2610		
$17x^4 - 31x^3y + 18x^2y^2 - 14xy^3 - 8y^4$	-2610		
$17x^4 + 31x^3y + 18x^2y^2 + 14xy^3 - 8y^4$	-2610		
$18x^4 - 21x^3y - 14xy^3 - 8y^4$	-2610		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$18x^4 + 21x^3y + 14xy^3 - 8y^4$	-2610	(1, 0)	(1, 0)
$-13x^4 - 14x^3y - 14xy^3 + 13y^4$	-2616		
$-13x^4 + 14x^3y + 14xy^3 + 13y^4$	-2616		
$-7x^4 - 2x^3y + 36x^2y^2 + 76xy^3 + 52y^4$	-2616		
$-7x^4 + 2x^3y + 36x^2y^2 - 76xy^3 + 52y^4$	-2616		
$-2x^4 + 109y^4$	-2616		
$-x^4 + 218y^4$	-2616		
$x^4 - 218y^4$	-2616		
$2x^4 - 109y^4$	-2616		
$7x^4 - 2x^3y - 36x^2y^2 + 76xy^3 - 52y^4$	-2616		
$7x^4 + 2x^3y - 36x^2y^2 - 76xy^3 - 52y^4$	-2616		
$13x^4 - 14x^3y - 14xy^3 - 13y^4$	-2616		
$13x^4 + 14x^3y + 14xy^3 - 13y^4$	-2616		
$-19x^4 - 29x^3y - 15x^2y^2 + 4xy^3 + 14y^4$	-2619		
$-19x^4 + 29x^3y - 15x^2y^2 - 4xy^3 + 14y^4$	-2619		
$-18x^4 + 36x^3y - 27x^2y^2 + 9xy^3 + 11y^4$	-2619		
$-14x^4 - 4x^3y + 15x^2y^2 + 29xy^3 + 19y^4$	-2619		
$-14x^4 + 4x^3y + 15x^2y^2 - 29xy^3 + 19y^4$	-2619		
$-11x^4 - 9x^3y + 27x^2y^2 - 36xy^3 + 18y^4$	-2619		
$-11x^4 + 9x^3y + 27x^2y^2 + 36xy^3 + 18y^4$	-2619		
$-6x^4 - 4x^3y + 3x^2y^2 + 21xy^3 + 40y^4$	-2619		
$-6x^4 + 4x^3y + 3x^2y^2 - 21xy^3 + 40y^4$	-2619		
$-5x^4 - 3x^3y + 9xy^3 + 45y^4$	-2619		
$-5x^4 - 3x^3y + 81x^2y^2 - 180xy^3 + 126y^4$	-2619		
$-5x^4 + 3x^3y - 9xy^3 + 45y^4$	-2619		
$-5x^4 + 3x^3y + 81x^2y^2 + 180xy^3 + 126y^4$	-2619		
$-4x^4 - x^3y + 9x^2y^2 - 36xy^3 + 54y^4$	-2619		
$-4x^4 + x^3y + 9x^2y^2 + 36xy^3 + 54y^4$	-2619		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 109y^4$	-2619		
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 109y^4$	-2619		
$4x^4 - x^3y - 9x^2y^2 - 36xy^3 - 54y^4$	-2619		
$4x^4 + x^3y - 9x^2y^2 + 36xy^3 - 54y^4$	-2619		
$5x^4 - 3x^3y - 81x^2y^2 - 180xy^3 - 126y^4$	-2619		
$5x^4 - 3x^3y + 9xy^3 - 45y^4$	-2619		
$5x^4 + 3x^3y - 81x^2y^2 + 180xy^3 - 126y^4$	-2619		
$5x^4 + 3x^3y - 9xy^3 - 45y^4$	-2619		
$6x^4 - 4x^3y - 3x^2y^2 + 21xy^3 - 40y^4$	-2619		
$6x^4 + 4x^3y - 3x^2y^2 - 21xy^3 - 40y^4$	-2619		
$11x^4 - 9x^3y - 27x^2y^2 - 36xy^3 - 18y^4$	-2619		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$11x^4 + 9x^3y - 27x^2y^2 + 36xy^3 - 18y^4$	-2619		
$14x^4 - 4x^3y - 15x^2y^2 + 29xy^3 - 19y^4$	-2619		
$14x^4 + 4x^3y - 15x^2y^2 - 29xy^3 - 19y^4$	-2619		
$18x^4 + 36x^3y + 27x^2y^2 + 9xy^3 - 11y^4$	-2619		
$19x^4 - 29x^3y + 15x^2y^2 + 4xy^3 - 14y^4$	-2619		
$19x^4 + 29x^3y + 15x^2y^2 - 4xy^3 - 14y^4$	-2619		
$-18x^4 - 15x^3y + 9x^2y^2 - 17xy^3 + 9y^4$	-2628		
$-18x^4 + 15x^3y + 9x^2y^2 + 17xy^3 + 9y^4$	-2628		
$-16x^4 - 20x^3y - 15xy^3 + 9y^4$	-2628		
$-16x^4 + 20x^3y + 15xy^3 + 9y^4$	-2628		
$-11x^4 - 4x^3y + 6x^2y^2 + 20xy^3 + 22y^4$	-2628	(1, -1)	
$-11x^4 + 4x^3y + 6x^2y^2 - 20xy^3 + 22y^4$	-2628	(1, 1)	
$-9x^4 - 17x^3y - 9x^2y^2 - 15xy^3 + 18y^4$	-2628		
$-9x^4 - 15x^3y - 20xy^3 + 16y^4$	-2628		
$-9x^4 + 15x^3y + 20xy^3 + 16y^4$	-2628		
$-9x^4 + 17x^3y - 9x^2y^2 + 15xy^3 + 18y^4$	-2628		
$-6x^4 + 12x^3y + 18x^2y^2 - 84xy^3 + 83y^4$	-2628		
$-6x^4 + 12x^3y + 18x^2y^2 + 36xy^3 + 23y^4$	-2628		
$-3x^4 + 73y^4$	-2628		
$-2x^4 - 3x^3y + 12x^2y^2 + 76xy^3 + 144y^4$	-2628		
$-2x^4 + 3x^3y + 12x^2y^2 - 76xy^3 + 144y^4$	-2628		
$-x^4 - x^3y + 9x^2y^2 - 71xy^3 + 208y^4$	-2628		(1, 0)
$-x^4 + 219y^4$	-2628		(1, 0)
$-x^4 + x^3y + 9x^2y^2 + 71xy^3 + 208y^4$	-2628		(1, 0)
$x^4 - x^3y - 9x^2y^2 - 71xy^3 - 208y^4$	-2628	(1, 0)	
$x^4 - 219y^4$	-2628	(1, 0)	
$x^4 + x^3y - 9x^2y^2 + 71xy^3 - 208y^4$	-2628	(1, 0)	
$2x^4 - 3x^3y - 12x^2y^2 + 76xy^3 - 144y^4$	-2628		
$2x^4 + 3x^3y - 12x^2y^2 - 76xy^3 - 144y^4$	-2628		
$3x^4 - 73y^4$	-2628		
$6x^4 + 12x^3y - 18x^2y^2 - 84xy^3 - 83y^4$	-2628		
$6x^4 + 12x^3y - 18x^2y^2 + 36xy^3 - 23y^4$	-2628		
$9x^4 - 17x^3y + 9x^2y^2 - 15xy^3 - 18y^4$	-2628		
$9x^4 - 15x^3y - 20xy^3 - 16y^4$	-2628		
$9x^4 + 15x^3y + 20xy^3 - 16y^4$	-2628		
$9x^4 + 17x^3y + 9x^2y^2 + 15xy^3 - 18y^4$	-2628		
$11x^4 - 4x^3y - 6x^2y^2 + 20xy^3 - 22y^4$	-2628		(1, 1)
$11x^4 + 4x^3y - 6x^2y^2 - 20xy^3 - 22y^4$	-2628		(1, -1)
$16x^4 - 20x^3y - 15xy^3 - 9y^4$	-2628		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$16x^4 + 20x^3y + 15xy^3 - 9y^4$	-2628		
$18x^4 - 15x^3y - 9x^2y^2 - 17xy^3 - 9y^4$	-2628		
$18x^4 + 15x^3y - 9x^2y^2 + 17xy^3 - 9y^4$	-2628		
$-3x^4 - 5x^3y + 102x^2y^2 - 281xy^3 + 245y^4$	-2631		
$-3x^4 + 5x^3y + 102x^2y^2 + 281xy^3 + 245y^4$	-2631		
$3x^4 - 5x^3y - 102x^2y^2 - 281xy^3 - 245y^4$	-2631		
$3x^4 + 5x^3y - 102x^2y^2 + 281xy^3 - 245y^4$	-2631		
$-11x^4 - 21x^3y + 3x^2y^2 - 21xy^3 + 10y^4$	-2634		
$-11x^4 + 21x^3y + 3x^2y^2 + 21xy^3 + 10y^4$	-2634		
$-10x^4 - 19x^3y + 38xy^3 + 40y^4$	-2634		
$-10x^4 + 19x^3y - 38xy^3 + 40y^4$	-2634		
$10x^4 - 19x^3y + 38xy^3 - 40y^4$	-2634		
$10x^4 + 19x^3y - 38xy^3 - 40y^4$	-2634		
$11x^4 - 21x^3y - 3x^2y^2 - 21xy^3 - 10y^4$	-2634		
$11x^4 + 21x^3y - 3x^2y^2 + 21xy^3 - 10y^4$	-2634		
$-16x^4 - 24x^3y + 30xy^3 + 25y^4$	-2640		
$-16x^4 + 24x^3y - 30xy^3 + 25y^4$	-2640		
$-12x^4 - 7x^3y + 15x^2y^2 + 35xy^3 + 25y^4$	-2640		
$-12x^4 + 7x^3y + 15x^2y^2 - 35xy^3 + 25y^4$	-2640		
$-11x^4 + 20y^4$	-2640		
$-8x^4 + 16x^3y - 12x^2y^2 + 4xy^3 + 27y^4$	-2640		
$-7x^4 - 8x^3y + 6x^2y^2 - 24xy^3 + 25y^4$	-2640		
$-7x^4 + 8x^3y + 6x^2y^2 + 24xy^3 + 25y^4$	-2640		
$-5x^4 - 2x^3y + 24x^2y^2 - 56xy^3 + 48y^4$	-2640		
$-5x^4 + 44y^4$	-2640		
$-5x^4 + 2x^3y + 24x^2y^2 + 56xy^3 + 48y^4$	-2640		
$-4x^4 + 55y^4$	-2640		
$-4x^4 + 8x^3y + 24x^2y^2 - 108xy^3 + 121y^4$	-2640	(2, 1)	
$-4x^4 + 8x^3y + 24x^2y^2 + 52xy^3 + 41y^4$	-2640	(1, -1)	
$-3x^4 - 4x^3y + 108x^2y^2 + 464xy^3 + 552y^4$	-2640		
$-3x^4 - 2x^3y + 10xy^3 + 75y^4$	-2640		
$-3x^4 - 2x^3y + 84x^2y^2 + 304xy^3 + 320y^4$	-2640		
$-3x^4 + 2x^3y - 10xy^3 + 75y^4$	-2640		
$-3x^4 + 2x^3y + 84x^2y^2 - 304xy^3 + 320y^4$	-2640		
$-3x^4 + 4x^3y + 108x^2y^2 - 464xy^3 + 552y^4$	-2640		
$-x^4 - x^3y + 3x^2y^2 - 43xy^3 + 210y^4$	-2640		(1, 0)
$-x^4 + 220y^4$	-2640		(1, 0)
$-x^4 + 30x^2y^2 - 160xy^3 + 295y^4$	-2640		(1, 0)
$-x^4 + 30x^2y^2 + 160xy^3 + 295y^4$	-2640		(1, 0)

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-x^4 + 66x^2y^2 - 352xy^3 + 583y^4$	-2640		(1, 0)
$-x^4 + 66x^2y^2 + 352xy^3 + 583y^4$	-2640		(1, 0)
$-x^4 + x^3y + 3x^2y^2 + 43xy^3 + 210y^4$	-2640		(1, 0)
$-x^4 + 2x^3y + 12x^2y^2 - 106xy^3 + 285y^4$	-2640		(1, 0)
$-x^4 + 2x^3y + 12x^2y^2 + 80xy^3 + 192y^4$	-2640		(1, 0)
$x^4 - x^3y - 3x^2y^2 - 43xy^3 - 210y^4$	-2640	(1, 0)	
$x^4 - 66x^2y^2 - 352xy^3 - 583y^4$	-2640	(1, 0)	
$x^4 - 66x^2y^2 + 352xy^3 - 583y^4$	-2640	(1, 0)	
$x^4 - 30x^2y^2 - 160xy^3 - 295y^4$	-2640	(1, 0)	
$x^4 - 30x^2y^2 + 160xy^3 - 295y^4$	-2640	(1, 0)	
$x^4 - 220y^4$	-2640	(1, 0)	
$x^4 + x^3y - 3x^2y^2 + 43xy^3 - 210y^4$	-2640	(1, 0)	
$x^4 + 2x^3y - 12x^2y^2 - 106xy^3 - 285y^4$	-2640	(1, 0)	
$x^4 + 2x^3y - 12x^2y^2 + 80xy^3 - 192y^4$	-2640	(1, 0)	
$3x^4 - 4x^3y - 108x^2y^2 + 464xy^3 - 552y^4$	-2640		
$3x^4 - 2x^3y - 84x^2y^2 + 304xy^3 - 320y^4$	-2640		
$3x^4 - 2x^3y + 10xy^3 - 75y^4$	-2640		
$3x^4 + 2x^3y - 84x^2y^2 - 304xy^3 - 320y^4$	-2640		
$3x^4 + 2x^3y - 10xy^3 - 75y^4$	-2640		
$3x^4 + 4x^3y - 108x^2y^2 - 464xy^3 - 552y^4$	-2640		
$4x^4 - 55y^4$	-2640		
$4x^4 + 8x^3y - 24x^2y^2 - 108xy^3 - 121y^4$	-2640		(2, -1)
$4x^4 + 8x^3y - 24x^2y^2 + 52xy^3 - 41y^4$	-2640		(1, 1)
$5x^4 - 2x^3y - 24x^2y^2 - 56xy^3 - 48y^4$	-2640		
$5x^4 - 44y^4$	-2640		
$5x^4 + 2x^3y - 24x^2y^2 + 56xy^3 - 48y^4$	-2640		
$7x^4 - 8x^3y - 6x^2y^2 - 24xy^3 - 25y^4$	-2640		
$7x^4 + 8x^3y - 6x^2y^2 + 24xy^3 - 25y^4$	-2640		
$8x^4 + 16x^3y + 12x^2y^2 + 4xy^3 - 27y^4$	-2640		
$11x^4 - 20y^4$	-2640		
$12x^4 - 7x^3y - 15x^2y^2 + 35xy^3 - 25y^4$	-2640		
$12x^4 + 7x^3y - 15x^2y^2 - 35xy^3 - 25y^4$	-2640		
$16x^4 - 24x^3y + 30xy^3 - 25y^4$	-2640		
$16x^4 + 24x^3y - 30xy^3 - 25y^4$	-2640		
$-8x^4 - 7x^3y + 27x^2y^2 + 68xy^3 + 50y^4$	-2643		
$-8x^4 + 7x^3y + 27x^2y^2 - 68xy^3 + 50y^4$	-2643		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 110y^4$	-2643		
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 110y^4$	-2643		
$8x^4 - 7x^3y - 27x^2y^2 + 68xy^3 - 50y^4$	-2643		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$8x^4 + 7x^3y - 27x^2y^2 - 68xy^3 - 50y^4$	-2643		
$-19x^4 - 24x^3y - 6x^2y^2 - 12xy^3 + 8y^4$	-2652		
$-19x^4 + 24x^3y - 6x^2y^2 + 12xy^3 + 8y^4$	-2652		
$-17x^4 + 13y^4$	-2652		
$-16x^4 - 5x^3y + 3x^2y^2 - 11xy^3 + 13y^4$	-2652		
$-16x^4 + 6x^2y^2 - 15xy^3 + 14y^4$	-2652		
$-16x^4 + 6x^2y^2 + 15xy^3 + 14y^4$	-2652		
$-16x^4 + 5x^3y + 3x^2y^2 + 11xy^3 + 13y^4$	-2652		
$-16x^4 + 32x^3y - 18x^2y^2 - 13xy^3 + 22y^4$	-2652		
$-16x^4 + 32x^3y - 18x^2y^2 + 17xy^3 + 7y^4$	-2652		
$-15x^4 - 4x^3y + 4xy^3 + 15y^4$	-2652		
$-15x^4 + 4x^3y - 4xy^3 + 15y^4$	-2652		
$-14x^4 - 15x^3y - 6x^2y^2 + 16y^4$	-2652		
$-14x^4 + 15x^3y - 6x^2y^2 + 16y^4$	-2652		
$-13x^4 - 11x^3y - 3x^2y^2 - 5xy^3 + 16y^4$	-2652		
$-13x^4 + 17y^4$	-2652		
$-13x^4 + 11x^3y - 3x^2y^2 + 5xy^3 + 16y^4$	-2652		
$-12x^4 - 20x^3y - 6x^2y^2 + 20xy^3 + 27y^4$	-2652		
$-12x^4 + 20x^3y - 6x^2y^2 - 20xy^3 + 27y^4$	-2652		
$-11x^4 - 20x^3y - 20xy^3 + 11y^4$	-2652		
$-11x^4 + 20x^3y + 20xy^3 + 11y^4$	-2652		
$-9x^4 - 16x^3y + 24x^2y^2 + 88xy^3 + 69y^4$	-2652		
$-9x^4 + 16x^3y + 24x^2y^2 - 88xy^3 + 69y^4$	-2652		
$-8x^4 - 12x^3y + 6x^2y^2 - 24xy^3 + 19y^4$	-2652		
$-8x^4 + 12x^3y + 6x^2y^2 + 24xy^3 + 19y^4$	-2652		
$-7x^4 - 11x^3y + 27x^2y^2 + 91xy^3 + 76y^4$	-2652		
$-7x^4 + 11x^3y + 27x^2y^2 - 91xy^3 + 76y^4$	-2652		
$-5x^4 - 8x^3y + 54x^2y^2 - 92xy^3 + 56y^4$	-2652		
$-5x^4 + 8x^3y + 54x^2y^2 + 92xy^3 + 56y^4$	-2652		
$-4x^4 - 4x^3y + 18x^2y^2 + 68xy^3 + 79y^4$	-2652		
$-4x^4 + 4x^3y + 18x^2y^2 - 68xy^3 + 79y^4$	-2652		
$-4x^4 + 8x^3y - 6x^2y^2 + 2xy^3 + 55y^4$	-2652		
$-3x^4 - 4x^3y + 48x^2y^2 - 116xy^3 + 99y^4$	-2652		
$-3x^4 - 2x^3y + 6x^2y^2 - 34xy^3 + 69y^4$	-2652		
$-3x^4 + 2x^3y + 6x^2y^2 + 34xy^3 + 69y^4$	-2652		
$-3x^4 + 4x^3y + 48x^2y^2 + 116xy^3 + 99y^4$	-2652		
$-x^4 - x^3y + 57x^2y^2 - 271xy^3 + 424y^4$	-2652		(1, 0)
$-x^4 + 221y^4$	-2652		(1, 0)
$-x^4 + 6x^2y^2 - 60xy^3 + 224y^4$	-2652		(1, 0)

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-x^4 + 6x^2y^2 + 60xy^3 + 224y^4$	-2652		(1, 0)
$-x^4 + 102x^2y^2 - 612xy^3 + 1088y^4$	-2652		(1, 0)
$-x^4 + 102x^2y^2 + 612xy^3 + 1088y^4$	-2652		(1, 0)
$-x^4 + x^3y + 57x^2y^2 + 271xy^3 + 424y^4$	-2652		(1, 0)
$-x^4 + 2x^3y + 18x^2y^2 - 136xy^3 + 316y^4$	-2652		(1, 0)
$-x^4 + 2x^3y + 18x^2y^2 + 98xy^3 + 199y^4$	-2652		(1, 0)
$-x^4 + 2x^3y + 330x^2y^2 - 3646xy^3 + 11119y^4$	-2652		(8, 1) (1, 0)
$-x^4 + 2x^3y + 330x^2y^2 + 2984xy^3 + 7804y^4$	-2652		(7, -1) (1, 0)
$x^4 - x^3y - 57x^2y^2 - 271xy^3 - 424y^4$	-2652	(1, 0)	
$x^4 - 102x^2y^2 - 612xy^3 - 1088y^4$	-2652	(1, 0)	
$x^4 - 102x^2y^2 + 612xy^3 - 1088y^4$	-2652	(1, 0)	
$x^4 - 6x^2y^2 - 60xy^3 - 224y^4$	-2652	(1, 0)	
$x^4 - 6x^2y^2 + 60xy^3 - 224y^4$	-2652	(1, 0)	
$x^4 - 221y^4$	-2652	(1, 0)	
$x^4 + x^3y - 57x^2y^2 + 271xy^3 - 424y^4$	-2652	(1, 0)	
$x^4 + 2x^3y - 330x^2y^2 - 3646xy^3 - 11119y^4$	-2652	(8, -1) (1, 0)	
$x^4 + 2x^3y - 330x^2y^2 + 2984xy^3 - 7804y^4$	-2652	(7, 1) (1, 0)	
$x^4 + 2x^3y - 18x^2y^2 - 136xy^3 - 316y^4$	-2652	(1, 0)	
$x^4 + 2x^3y - 18x^2y^2 + 98xy^3 - 199y^4$	-2652	(1, 0)	
$3x^4 - 4x^3y - 48x^2y^2 - 116xy^3 - 99y^4$	-2652		
$3x^4 - 2x^3y - 6x^2y^2 - 34xy^3 - 69y^4$	-2652		
$3x^4 + 2x^3y - 6x^2y^2 + 34xy^3 - 69y^4$	-2652		
$3x^4 + 4x^3y - 48x^2y^2 + 116xy^3 - 99y^4$	-2652		
$4x^4 - 4x^3y - 18x^2y^2 + 68xy^3 - 79y^4$	-2652		
$4x^4 + 4x^3y - 18x^2y^2 - 68xy^3 - 79y^4$	-2652		
$4x^4 + 8x^3y + 6x^2y^2 + 2xy^3 - 55y^4$	-2652		
$5x^4 - 8x^3y - 54x^2y^2 - 92xy^3 - 56y^4$	-2652		
$5x^4 + 8x^3y - 54x^2y^2 + 92xy^3 - 56y^4$	-2652		
$7x^4 - 11x^3y - 27x^2y^2 + 91xy^3 - 76y^4$	-2652		
$7x^4 + 11x^3y - 27x^2y^2 - 91xy^3 - 76y^4$	-2652		
$8x^4 - 12x^3y - 6x^2y^2 - 24xy^3 - 19y^4$	-2652		
$8x^4 + 12x^3y - 6x^2y^2 + 24xy^3 - 19y^4$	-2652		
$9x^4 - 16x^3y - 24x^2y^2 + 88xy^3 - 69y^4$	-2652		
$9x^4 + 16x^3y - 24x^2y^2 - 88xy^3 - 69y^4$	-2652		
$11x^4 - 20x^3y - 20xy^3 - 11y^4$	-2652		
$11x^4 + 20x^3y + 20xy^3 - 11y^4$	-2652		
$12x^4 - 20x^3y + 6x^2y^2 + 20xy^3 - 27y^4$	-2652		
$12x^4 + 20x^3y + 6x^2y^2 - 20xy^3 - 27y^4$	-2652		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$13x^4 - 11x^3y + 3x^2y^2 - 5xy^3 - 16y^4$	-2652		
$13x^4 - 17y^4$	-2652		
$13x^4 + 11x^3y + 3x^2y^2 + 5xy^3 - 16y^4$	-2652		
$14x^4 - 15x^3y + 6x^2y^2 - 16y^4$	-2652		
$14x^4 + 15x^3y + 6x^2y^2 - 16y^4$	-2652		
$15x^4 - 4x^3y + 4xy^3 - 15y^4$	-2652		
$15x^4 + 4x^3y - 4xy^3 - 15y^4$	-2652		
$16x^4 - 5x^3y - 3x^2y^2 - 11xy^3 - 13y^4$	-2652		
$16x^4 - 6x^2y^2 - 15xy^3 - 14y^4$	-2652		
$16x^4 - 6x^2y^2 + 15xy^3 - 14y^4$	-2652		
$16x^4 + 5x^3y - 3x^2y^2 + 11xy^3 - 13y^4$	-2652		
$16x^4 + 32x^3y + 18x^2y^2 - 13xy^3 - 22y^4$	-2652		
$16x^4 + 32x^3y + 18x^2y^2 + 17xy^3 - 7y^4$	-2652		
$17x^4 - 13y^4$	-2652		
$19x^4 - 24x^3y + 6x^2y^2 - 12xy^3 - 8y^4$	-2652		
$19x^4 + 24x^3y + 6x^2y^2 + 12xy^3 - 8y^4$	-2652		
$-9x^4 - 3x^3y + 5xy^3 + 25y^4$	-2655		
$-9x^4 + 3x^3y - 5xy^3 + 25y^4$	-2655		
$-x^4 - x^3y + 15xy^3 + 225y^4$	-2655		(1, 0)
$-x^4 + x^3y - 15xy^3 + 225y^4$	-2655		(1, 0)
$x^4 - x^3y + 15xy^3 - 225y^4$	-2655	(1, 0)	
$x^4 + x^3y - 15xy^3 - 225y^4$	-2655	(1, 0)	
$9x^4 - 3x^3y + 5xy^3 - 25y^4$	-2655		
$9x^4 + 3x^3y - 5xy^3 - 25y^4$	-2655		
$-11x^4 - 10x^3y + 36x^2y^2 - 44xy^3 + 20y^4$	-2664		
$-11x^4 + 10x^3y + 36x^2y^2 + 44xy^3 + 20y^4$	-2664		
$-9x^4 - 10x^3y + 24x^2y^2 - 36xy^3 + 20y^4$	-2664		
$-9x^4 + 10x^3y + 24x^2y^2 + 36xy^3 + 20y^4$	-2664		
$-6x^4 + 37y^4$	-2664		
$-5x^4 - 2x^3y + 6xy^3 + 45y^4$	-2664		
$-5x^4 + 2x^3y - 6xy^3 + 45y^4$	-2664		
$-3x^4 + 74y^4$	-2664		
$-2x^4 + 111y^4$	-2664		
$-x^4 + 222y^4$	-2664		(1, 0)
$x^4 - 222y^4$	-2664	(1, 0)	
$2x^4 - 111y^4$	-2664		
$3x^4 - 74y^4$	-2664		
$5x^4 - 2x^3y + 6xy^3 - 45y^4$	-2664		
$5x^4 + 2x^3y - 6xy^3 - 45y^4$	-2664		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$6x^4 - 37y^4$	-2664		
$9x^4 - 10x^3y - 24x^2y^2 - 36xy^3 - 20y^4$	-2664		
$9x^4 + 10x^3y - 24x^2y^2 + 36xy^3 - 20y^4$	-2664		
$11x^4 - 10x^3y - 36x^2y^2 - 44xy^3 - 20y^4$	-2664		
$11x^4 + 10x^3y - 36x^2y^2 + 44xy^3 - 20y^4$	-2664		
$-15x^4 - 7x^3y + 21x^2y^2 - 28xy^3 + 14y^4$	-2667		
$-15x^4 + 7x^3y + 21x^2y^2 + 28xy^3 + 14y^4$	-2667		
$-14x^4 + 28x^3y - 21x^2y^2 + 7xy^3 + 15y^4$	-2667		
$-6x^4 - 4x^3y + 15x^2y^2 - 37xy^3 + 34y^4$	-2667		
$-6x^4 + 4x^3y + 15x^2y^2 + 37xy^3 + 34y^4$	-2667		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 111y^4$	-2667		
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 111y^4$	-2667		
$6x^4 - 4x^3y - 15x^2y^2 - 37xy^3 - 34y^4$	-2667		
$6x^4 + 4x^3y - 15x^2y^2 + 37xy^3 - 34y^4$	-2667		
$14x^4 + 28x^3y + 21x^2y^2 + 7xy^3 - 15y^4$	-2667		
$15x^4 - 7x^3y - 21x^2y^2 - 28xy^3 - 14y^4$	-2667		
$15x^4 + 7x^3y - 21x^2y^2 + 28xy^3 - 14y^4$	-2667		
$-11x^4 - 19x^3y + 15x^2y^2 + 65xy^3 + 50y^4$	-2670		
$-11x^4 + 19x^3y + 15x^2y^2 - 65xy^3 + 50y^4$	-2670		
$-8x^4 - 10x^3y + 12x^2y^2 + 47xy^3 + 44y^4$	-2670		
$-8x^4 + 10x^3y + 12x^2y^2 - 47xy^3 + 44y^4$	-2670		
$-4x^4 - 2x^3y + 18x^2y^2 + 61xy^3 + 70y^4$	-2670		
$-4x^4 + 2x^3y + 18x^2y^2 - 61xy^3 + 70y^4$	-2670		
$-2x^4 - 3x^3y + 15x^2y^2 - 63xy^3 + 97y^4$	-2670		
$-2x^4 + 3x^3y + 15x^2y^2 + 63xy^3 + 97y^4$	-2670		
$-x^4 - x^3y + 18x^2y^2 + 122xy^3 + 280y^4$	-2670		(1, 0)
$-x^4 + x^3y + 18x^2y^2 - 122xy^3 + 280y^4$	-2670		(1, 0)
$x^4 - x^3y - 18x^2y^2 + 122xy^3 - 280y^4$	-2670	(1, 0)	
$x^4 + x^3y - 18x^2y^2 - 122xy^3 - 280y^4$	-2670	(1, 0)	
$2x^4 - 3x^3y - 15x^2y^2 - 63xy^3 - 97y^4$	-2670		
$2x^4 + 3x^3y - 15x^2y^2 + 63xy^3 - 97y^4$	-2670		
$4x^4 - 2x^3y - 18x^2y^2 + 61xy^3 - 70y^4$	-2670		
$4x^4 + 2x^3y - 18x^2y^2 - 61xy^3 - 70y^4$	-2670		
$8x^4 - 10x^3y - 12x^2y^2 + 47xy^3 - 44y^4$	-2670		
$8x^4 + 10x^3y - 12x^2y^2 - 47xy^3 - 44y^4$	-2670		
$11x^4 - 19x^3y - 15x^2y^2 + 65xy^3 - 50y^4$	-2670		
$11x^4 + 19x^3y - 15x^2y^2 - 65xy^3 - 50y^4$	-2670		
$-12x^4 - 11x^3y - 3x^2y^2 + 6xy^3 + 20y^4$	-2673		
$-12x^4 + 11x^3y - 3x^2y^2 - 6xy^3 + 20y^4$	-2673		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-5x^4 - 3x^3y + 3x^2y^2 + 22xy^3 + 48y^4$	-2673		
$-5x^4 + 3x^3y + 3x^2y^2 - 22xy^3 + 48y^4$	-2673		
$5x^4 - 3x^3y - 3x^2y^2 + 22xy^3 - 48y^4$	-2673		
$5x^4 + 3x^3y - 3x^2y^2 - 22xy^3 - 48y^4$	-2673		
$12x^4 - 11x^3y + 3x^2y^2 + 6xy^3 - 20y^4$	-2673		
$12x^4 + 11x^3y + 3x^2y^2 - 6xy^3 - 20y^4$	-2673		
$-x^4 + 223y^4$	-2676		(1, 0)
$x^4 - 223y^4$	-2676	(1, 0)	
$-x^4 - x^3y + 63x^2y^2 + 368xy^3 + 646y^4$	-2679		(1, 0)
$-x^4 + x^3y + 63x^2y^2 - 368xy^3 + 646y^4$	-2679		(1, 0)
$x^4 - x^3y - 63x^2y^2 + 368xy^3 - 646y^4$	-2679	(1, 0)	
$x^4 + x^3y - 63x^2y^2 - 368xy^3 - 646y^4$	-2679	(1, 0)	
$-17x^4 - 7x^3y + 15x^2y^2 - 22xy^3 + 12y^4$	-2685		
$-17x^4 + 7x^3y + 15x^2y^2 + 22xy^3 + 12y^4$	-2685		
$-12x^4 - 22x^3y - 15x^2y^2 - 7xy^3 + 17y^4$	-2685		
$-12x^4 + 22x^3y - 15x^2y^2 + 7xy^3 + 17y^4$	-2685		
$-3x^4 - x^3y + 5xy^3 + 75y^4$	-2685		
$-3x^4 + x^3y - 5xy^3 + 75y^4$	-2685		
$3x^4 - x^3y + 5xy^3 - 75y^4$	-2685		
$3x^4 + x^3y - 5xy^3 - 75y^4$	-2685		
$12x^4 - 22x^3y + 15x^2y^2 - 7xy^3 - 17y^4$	-2685		
$12x^4 + 22x^3y + 15x^2y^2 + 7xy^3 - 17y^4$	-2685		
$17x^4 - 7x^3y - 15x^2y^2 - 22xy^3 - 12y^4$	-2685		
$17x^4 + 7x^3y - 15x^2y^2 + 22xy^3 - 12y^4$	-2685		
$-16x^4 + 32x^3y - 24x^2y^2 + 8xy^3 + 13y^4$	-2688		
$-15x^4 - 2x^3y + 2xy^3 + 15y^4$	-2688		
$-15x^4 + 2x^3y - 2xy^3 + 15y^4$	-2688		
$-13x^4 - 8x^3y + 24x^2y^2 - 32xy^3 + 16y^4$	-2688		
$-13x^4 + 8x^3y + 24x^2y^2 + 32xy^3 + 16y^4$	-2688		
$-7x^4 - x^3y + 9x^2y^2 + 29xy^3 + 34y^4$	-2688		
$-7x^4 + 32y^4$	-2688		
$-7x^4 + x^3y + 9x^2y^2 - 29xy^3 + 34y^4$	-2688		
$-5x^4 - 4x^3y + 66x^2y^2 + 188xy^3 + 155y^4$	-2688		
$-5x^4 + 4x^3y + 66x^2y^2 - 188xy^3 + 155y^4$	-2688		
$-x^4 + 224y^4$	-2688		(1, 0)
$-x^4 + 2x^3y + 36x^2y^2 - 232xy^3 + 448y^4$	-2688		(1, 0)
$-x^4 + 2x^3y + 36x^2y^2 + 158xy^3 + 253y^4$	-2688		(1, 0)
$x^4 - 224y^4$	-2688	(1, 0)	
$x^4 + 2x^3y - 36x^2y^2 - 232xy^3 - 448y^4$	-2688	(1, 0)	

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$x^4 + 2x^3y - 36x^2y^2 + 158xy^3 - 253y^4$	-2688	(1, 0)	
$5x^4 - 4x^3y - 66x^2y^2 + 188xy^3 - 155y^4$	-2688		
$5x^4 + 4x^3y - 66x^2y^2 - 188xy^3 - 155y^4$	-2688		
$7x^4 - x^3y - 9x^2y^2 + 29xy^3 - 34y^4$	-2688		
$7x^4 - 32y^4$	-2688		
$7x^4 + x^3y - 9x^2y^2 - 29xy^3 - 34y^4$	-2688		
$13x^4 - 8x^3y - 24x^2y^2 - 32xy^3 - 16y^4$	-2688		
$13x^4 + 8x^3y - 24x^2y^2 + 32xy^3 - 16y^4$	-2688		
$15x^4 - 2x^3y + 2xy^3 - 15y^4$	-2688		
$15x^4 + 2x^3y - 2xy^3 - 15y^4$	-2688		
$16x^4 + 32x^3y + 24x^2y^2 + 8xy^3 - 13y^4$	-2688		
$-18x^4 - 12x^3y + 9x^2y^2 - 17xy^3 + 10y^4$	-2691		
$-18x^4 + 12x^3y + 9x^2y^2 + 17xy^3 + 10y^4$	-2691		
$-10x^4 - 17x^3y - 9x^2y^2 - 12xy^3 + 18y^4$	-2691		
$-10x^4 - 12x^3y + 33x^2y^2 + 85xy^3 + 57y^4$	-2691		
$-10x^4 + 12x^3y + 33x^2y^2 - 85xy^3 + 57y^4$	-2691		
$-10x^4 + 17x^3y - 9x^2y^2 + 12xy^3 + 18y^4$	-2691		
$-7x^4 - 13x^3y + 39x^2y^2 - 52xy^3 + 26y^4$	-2691		
$-7x^4 - 11x^3y + 9x^2y^2 - 28xy^3 + 22y^4$	-2691		
$-7x^4 - 5x^3y + 18x^2y^2 + 51xy^3 + 45y^4$	-2691		
$-7x^4 + 5x^3y + 18x^2y^2 - 51xy^3 + 45y^4$	-2691		
$-7x^4 + 11x^3y + 9x^2y^2 + 28xy^3 + 22y^4$	-2691		
$-7x^4 + 13x^3y + 39x^2y^2 + 52xy^3 + 26y^4$	-2691		
$-6x^4 + 12x^3y - 9x^2y^2 + 3xy^3 + 37y^4$	-2691		
$-5x^4 - 3x^3y + 3x^2y^2 - 20xy^3 + 42y^4$	-2691		
$-5x^4 - x^3y + 3xy^3 + 45y^4$	-2691		
$-5x^4 + x^3y - 3xy^3 + 45y^4$	-2691		
$-5x^4 + 3x^3y + 3x^2y^2 + 20xy^3 + 42y^4$	-2691		
$-2x^4 - x^3y + 168x^2y^2 + 911xy^3 + 1402y^4$	-2691		
$-2x^4 + x^3y + 168x^2y^2 - 911xy^3 + 1402y^4$	-2691		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 112y^4$	-2691		
$-2x^4 + 4x^3y + 9x^2y^2 - 73xy^3 + 152y^4$	-2691		
$-2x^4 + 4x^3y + 9x^2y^2 + 51xy^3 + 90y^4$	-2691		
$2x^4 - x^3y - 168x^2y^2 + 911xy^3 - 1402y^4$	-2691		
$2x^4 + x^3y - 168x^2y^2 - 911xy^3 - 1402y^4$	-2691		
$2x^4 + 4x^3y - 9x^2y^2 - 73xy^3 - 152y^4$	-2691		
$2x^4 + 4x^3y - 9x^2y^2 + 51xy^3 - 90y^4$	-2691		
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 112y^4$	-2691		
$5x^4 - 3x^3y - 3x^2y^2 - 20xy^3 - 42y^4$	-2691		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$5x^4 - x^3y + 3xy^3 - 45y^4$	-2691		
$5x^4 + x^3y - 3xy^3 - 45y^4$	-2691		
$5x^4 + 3x^3y - 3x^2y^2 + 20xy^3 - 42y^4$	-2691		
$6x^4 + 12x^3y + 9x^2y^2 + 3xy^3 - 37y^4$	-2691		
$7x^4 - 13x^3y - 39x^2y^2 - 52xy^3 - 26y^4$	-2691		
$7x^4 - 11x^3y - 9x^2y^2 - 28xy^3 - 22y^4$	-2691		
$7x^4 - 5x^3y - 18x^2y^2 + 51xy^3 - 45y^4$	-2691		
$7x^4 + 5x^3y - 18x^2y^2 - 51xy^3 - 45y^4$	-2691		
$7x^4 + 11x^3y - 9x^2y^2 + 28xy^3 - 22y^4$	-2691		
$7x^4 + 13x^3y - 39x^2y^2 + 52xy^3 - 26y^4$	-2691		
$10x^4 - 17x^3y + 9x^2y^2 - 12xy^3 - 18y^4$	-2691		
$10x^4 - 12x^3y - 33x^2y^2 + 85xy^3 - 57y^4$	-2691		
$10x^4 + 12x^3y - 33x^2y^2 - 85xy^3 - 57y^4$	-2691		
$10x^4 + 17x^3y + 9x^2y^2 + 12xy^3 - 18y^4$	-2691		
$18x^4 - 12x^3y - 9x^2y^2 - 17xy^3 - 10y^4$	-2691		
$18x^4 + 12x^3y - 9x^2y^2 + 17xy^3 - 10y^4$	-2691		
$-4x^4 - x^3y + 42x^2y^2 + 114xy^3 + 100y^4$	-2694		
$-4x^4 + x^3y + 42x^2y^2 - 114xy^3 + 100y^4$	-2694		
$-x^4 - x^3y + 165x^2y^2 - 1117xy^3 + 2214y^4$	-2694		(1, 0)
$-x^4 + x^3y + 165x^2y^2 + 1117xy^3 + 2214y^4$	-2694		(1, 0)
$x^4 - x^3y - 165x^2y^2 - 1117xy^3 - 2214y^4$	-2694	(1, 0)	
$x^4 + x^3y - 165x^2y^2 + 1117xy^3 - 2214y^4$	-2694	(1, 0)	
$4x^4 - x^3y - 42x^2y^2 + 114xy^3 - 100y^4$	-2694		
$4x^4 + x^3y - 42x^2y^2 - 114xy^3 - 100y^4$	-2694		
$-15x^4 - x^3y + xy^3 + 15y^4$	-2697		
$-15x^4 + x^3y - xy^3 + 15y^4$	-2697		
$15x^4 - x^3y + xy^3 - 15y^4$	-2697		
$15x^4 + x^3y - xy^3 - 15y^4$	-2697		
$-17x^4 - 16x^3y + 16xy^3 + 17y^4$	-2700		
$-17x^4 + 16x^3y - 16xy^3 + 17y^4$	-2700		
$-16x^4 - 16x^3y - 6x^2y^2 - xy^3 + 14y^4$	-2700		
$-16x^4 - 16x^3y + 18x^2y^2 - 23xy^3 + 10y^4$	-2700		
$-16x^4 - 16x^3y + 18x^2y^2 + 45xy^3 + 27y^4$	-2700		
$-16x^4 + 16x^3y - 6x^2y^2 + xy^3 + 14y^4$	-2700		
$-16x^4 + 16x^3y + 18x^2y^2 - 45xy^3 + 27y^4$	-2700		
$-16x^4 + 16x^3y + 18x^2y^2 + 23xy^3 + 10y^4$	-2700		
$-14x^4 - x^3y + 6x^2y^2 - 16xy^3 + 16y^4$	-2700		
$-14x^4 + x^3y + 6x^2y^2 + 16xy^3 + 16y^4$	-2700		
$-10x^4 - 17x^3y - 9x^2y^2 + 9xy^3 + 27y^4$	-2700		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-10x^4 + 17x^3y - 9x^2y^2 - 9xy^3 + 27y^4$	-2700		
$-9x^4 + 25y^4$	-2700		
$-8x^4 - 4x^3y + 18x^2y^2 - 36xy^3 + 27y^4$	-2700		
$-8x^4 + 4x^3y + 18x^2y^2 + 36xy^3 + 27y^4$	-2700		
$-x^4 - x^3y + 84x^2y^2 - 436xy^3 + 704y^4$	-2700		(1, 0)
$-x^4 + 225y^4$	-2700		(1, 0)
$-x^4 + 24x^2y^2 - 136xy^3 + 273y^4$	-2700		(1, 0)
$-x^4 + 24x^2y^2 + 136xy^3 + 273y^4$	-2700		(1, 0)
$-x^4 + x^3y + 84x^2y^2 + 436xy^3 + 704y^4$	-2700		(1, 0)
$x^4 - x^3y - 84x^2y^2 - 436xy^3 - 704y^4$	-2700	(1, 0)	
$x^4 - 24x^2y^2 - 136xy^3 - 273y^4$	-2700	(1, 0)	
$x^4 - 24x^2y^2 + 136xy^3 - 273y^4$	-2700	(1, 0)	
$x^4 - 225y^4$	-2700	(1, 0)	
$x^4 + x^3y - 84x^2y^2 + 436xy^3 - 704y^4$	-2700	(1, 0)	
$8x^4 - 4x^3y - 18x^2y^2 - 36xy^3 - 27y^4$	-2700		
$8x^4 + 4x^3y - 18x^2y^2 + 36xy^3 - 27y^4$	-2700		
$9x^4 - 25y^4$	-2700		
$10x^4 - 17x^3y + 9x^2y^2 + 9xy^3 - 27y^4$	-2700		
$10x^4 + 17x^3y + 9x^2y^2 - 9xy^3 - 27y^4$	-2700		
$14x^4 - x^3y - 6x^2y^2 - 16xy^3 - 16y^4$	-2700		
$14x^4 + x^3y - 6x^2y^2 + 16xy^3 - 16y^4$	-2700		
$16x^4 - 16x^3y - 18x^2y^2 - 23xy^3 - 10y^4$	-2700		
$16x^4 - 16x^3y - 18x^2y^2 + 45xy^3 - 27y^4$	-2700		
$16x^4 - 16x^3y + 6x^2y^2 - xy^3 - 14y^4$	-2700		
$16x^4 + 16x^3y - 18x^2y^2 - 45xy^3 - 27y^4$	-2700		
$16x^4 + 16x^3y - 18x^2y^2 + 23xy^3 - 10y^4$	-2700		
$16x^4 + 16x^3y + 6x^2y^2 + xy^3 - 14y^4$	-2700		
$17x^4 - 16x^3y + 16xy^3 - 17y^4$	-2700		
$17x^4 + 16x^3y - 16xy^3 - 17y^4$	-2700		
$-18x^4 - 31x^3y - 9x^2y^2 - 16xy^3 + 6y^4$	-2703		
$-18x^4 + 31x^3y - 9x^2y^2 + 16xy^3 + 6y^4$	-2703		
$-15x^4 - x^3y - xy^3 + 15y^4$	-2703		
$-15x^4 + x^3y + xy^3 + 15y^4$	-2703		
$-13x^4 - 15x^3y - 15xy^3 + 13y^4$	-2703		
$-13x^4 + 15x^3y + 15xy^3 + 13y^4$	-2703		
$-8x^4 - 9x^3y - 3x^2y^2 - 8xy^3 + 26y^4$	-2703		
$-8x^4 + 9x^3y - 3x^2y^2 + 8xy^3 + 26y^4$	-2703		
$-6x^4 - 8x^3y + 21x^2y^2 + 73xy^3 + 68y^4$	-2703		
$-6x^4 + 8x^3y + 21x^2y^2 - 73xy^3 + 68y^4$	-2703		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-2x^4 + 27x^2y^2 - 105xy^3 + 143y^4$	-2703		
$-2x^4 + 27x^2y^2 + 105xy^3 + 143y^4$	-2703		
$-2x^4 + 51x^2y^2 - 187xy^3 + 221y^4$	-2703		
$-2x^4 + 51x^2y^2 + 187xy^3 + 221y^4$	-2703		
$2x^4 - 51x^2y^2 - 187xy^3 - 221y^4$	-2703		
$2x^4 - 51x^2y^2 + 187xy^3 - 221y^4$	-2703		
$2x^4 - 27x^2y^2 - 105xy^3 - 143y^4$	-2703		
$2x^4 - 27x^2y^2 + 105xy^3 - 143y^4$	-2703		
$6x^4 - 8x^3y - 21x^2y^2 + 73xy^3 - 68y^4$	-2703		
$6x^4 + 8x^3y - 21x^2y^2 - 73xy^3 - 68y^4$	-2703		
$8x^4 - 9x^3y + 3x^2y^2 - 8xy^3 - 26y^4$	-2703		
$8x^4 + 9x^3y + 3x^2y^2 + 8xy^3 - 26y^4$	-2703		
$13x^4 - 15x^3y - 15xy^3 - 13y^4$	-2703		
$13x^4 + 15x^3y + 15xy^3 - 13y^4$	-2703		
$15x^4 - x^3y - xy^3 - 15y^4$	-2703		
$15x^4 + x^3y + xy^3 - 15y^4$	-2703		
$18x^4 - 31x^3y + 9x^2y^2 - 16xy^3 - 6y^4$	-2703		
$18x^4 + 31x^3y + 9x^2y^2 + 16xy^3 - 6y^4$	-2703		
$-20x^4 - 38x^3y - 27x^2y^2 - 7xy^3 + 11y^4$	-2709		
$-20x^4 + 38x^3y - 27x^2y^2 + 7xy^3 + 11y^4$	-2709		
$-19x^4 - 27x^3y - 12x^2y^2 + 7xy^3 + 15y^4$	-2709		
$-19x^4 + 27x^3y - 12x^2y^2 - 7xy^3 + 15y^4$	-2709		
$-16x^4 - 11x^3y + 11xy^3 + 16y^4$	-2709		
$-16x^4 + 11x^3y - 11xy^3 + 16y^4$	-2709		
$-15x^4 - 7x^3y + 12x^2y^2 + 27xy^3 + 19y^4$	-2709		
$-15x^4 + 7x^3y + 12x^2y^2 - 27xy^3 + 19y^4$	-2709		
$-11x^4 - 7x^3y + 27x^2y^2 - 38xy^3 + 20y^4$	-2709		
$-11x^4 + 7x^3y + 27x^2y^2 + 38xy^3 + 20y^4$	-2709		
$-9x^4 - 13x^3y + 33x^2y^2 - 42xy^3 + 20y^4$	-2709		
$-9x^4 + 13x^3y + 33x^2y^2 + 42xy^3 + 20y^4$	-2709		
$-5x^4 - x^3y - 3xy^3 + 45y^4$	-2709		
$-5x^4 + x^3y + 3xy^3 + 45y^4$	-2709		
$-4x^4 - 6x^3y + 105x^2y^2 + 413xy^3 + 441y^4$	-2709		
$-4x^4 + 6x^3y + 105x^2y^2 - 413xy^3 + 441y^4$	-2709		
$-x^4 - x^3y + 108x^2y^2 - 611xy^3 + 1045y^4$	-2709		(1, 0)
$-x^4 + x^3y + 108x^2y^2 + 611xy^3 + 1045y^4$	-2709		(1, 0)
$x^4 - x^3y - 108x^2y^2 - 611xy^3 - 1045y^4$	-2709	(1, 0)	
$x^4 + x^3y - 108x^2y^2 + 611xy^3 - 1045y^4$	-2709	(1, 0)	
$4x^4 - 6x^3y - 105x^2y^2 + 413xy^3 - 441y^4$	-2709		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$4x^4 + 6x^3y - 105x^2y^2 - 413xy^3 - 441y^4$	-2709		
$5x^4 - x^3y - 3xy^3 - 45y^4$	-2709		
$5x^4 + x^3y + 3xy^3 - 45y^4$	-2709		
$9x^4 - 13x^3y - 33x^2y^2 - 42xy^3 - 20y^4$	-2709		
$9x^4 + 13x^3y - 33x^2y^2 + 42xy^3 - 20y^4$	-2709		
$11x^4 - 7x^3y - 27x^2y^2 - 38xy^3 - 20y^4$	-2709		
$11x^4 + 7x^3y - 27x^2y^2 + 38xy^3 - 20y^4$	-2709		
$15x^4 - 7x^3y - 12x^2y^2 + 27xy^3 - 19y^4$	-2709		
$15x^4 + 7x^3y - 12x^2y^2 - 27xy^3 - 19y^4$	-2709		
$16x^4 - 11x^3y + 11xy^3 - 16y^4$	-2709		
$16x^4 + 11x^3y - 11xy^3 - 16y^4$	-2709		
$19x^4 - 27x^3y + 12x^2y^2 + 7xy^3 - 15y^4$	-2709		
$19x^4 + 27x^3y + 12x^2y^2 - 7xy^3 - 15y^4$	-2709		
$20x^4 - 38x^3y + 27x^2y^2 - 7xy^3 - 11y^4$	-2709		
$20x^4 + 38x^3y + 27x^2y^2 + 7xy^3 - 11y^4$	-2709		
$-15x^4 - 2x^3y - 2xy^3 + 15y^4$	-2712		
$-15x^4 + 2x^3y + 2xy^3 + 15y^4$	-2712		
$-13x^4 - 22x^3y + 12x^2y^2 - 22xy^3 + 9y^4$	-2712		
$-13x^4 + 22x^3y + 12x^2y^2 + 22xy^3 + 9y^4$	-2712		
$-9x^4 - 14x^3y + 28xy^3 + 36y^4$	-2712		
$-9x^4 + 14x^3y - 28xy^3 + 36y^4$	-2712		
$-2x^4 - x^3y + 21x^2y^2 - 83xy^3 + 121y^4$	-2712		(2, 1)
$-2x^4 + 113y^4$	-2712		
$-2x^4 + 96x^2y^2 - 400xy^3 + 497y^4$	-2712		(3, 1)
$-2x^4 + 96x^2y^2 + 400xy^3 + 497y^4$	-2712		(3, -1)
$-2x^4 + x^3y + 21x^2y^2 + 83xy^3 + 121y^4$	-2712		(2, -1)
$-x^4 - x^3y + 30x^2y^2 - 148xy^3 + 264y^4$	-2712		(1, 0)
$-x^4 + 226y^4$	-2712		(1, 0)
$-x^4 + 12x^2y^2 - 88xy^3 + 238y^4$	-2712	(3, 1)	(1, 0)
$-x^4 + 12x^2y^2 + 88xy^3 + 238y^4$	-2712	(3, -1)	(1, 0)
$-x^4 + x^3y + 30x^2y^2 + 148xy^3 + 264y^4$	-2712		(1, 0)
$-x^4 + 2x^3y + 168x^2y^2 - 1412xy^3 + 3284y^4$	-2712		(1, 0)
$-x^4 + 2x^3y + 168x^2y^2 + 1074xy^3 + 2041y^4$	-2712		(1, 0)
$-x^4 + 2x^3y + 336x^2y^2 - 3742xy^3 + 11505y^4$	-2712	(8, 1)	(1, 0)
$-x^4 + 2x^3y + 336x^2y^2 + 3068xy^3 + 8100y^4$	-2712	(7, -1)	(1, 0)
$x^4 - x^3y - 30x^2y^2 - 148xy^3 - 264y^4$	-2712	(1, 0)	
$x^4 - 12x^2y^2 - 88xy^3 - 238y^4$	-2712	(1, 0)	(3, -1)
$x^4 - 12x^2y^2 + 88xy^3 - 238y^4$	-2712	(1, 0)	(3, 1)

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$x^4 - 226y^4$	-2712	(1, 0)	
$x^4 + x^3y - 30x^2y^2 + 148xy^3 - 264y^4$	-2712	(1, 0)	
$x^4 + 2x^3y - 336x^2y^2 - 3742xy^3 - 11505y^4$	-2712	(1, 0)	(8, -1)
$x^4 + 2x^3y - 336x^2y^2 + 3068xy^3 - 8100y^4$	-2712	(1, 0)	(7, 1)
$x^4 + 2x^3y - 168x^2y^2 - 1412xy^3 - 3284y^4$	-2712	(1, 0)	
$x^4 + 2x^3y - 168x^2y^2 + 1074xy^3 - 2041y^4$	-2712	(1, 0)	
$2x^4 - x^3y - 21x^2y^2 - 83xy^3 - 121y^4$	-2712	(2, -1)	
$2x^4 - 96x^2y^2 - 400xy^3 - 497y^4$	-2712	(3, -1)	
$2x^4 - 96x^2y^2 + 400xy^3 - 497y^4$	-2712	(3, 1)	
$2x^4 - 113y^4$	-2712		
$2x^4 + x^3y - 21x^2y^2 + 83xy^3 - 121y^4$	-2712	(2, 1)	
$9x^4 - 14x^3y + 28xy^3 - 36y^4$	-2712		
$9x^4 + 14x^3y - 28xy^3 - 36y^4$	-2712		
$13x^4 - 22x^3y - 12x^2y^2 - 22xy^3 - 9y^4$	-2712		
$13x^4 + 22x^3y - 12x^2y^2 + 22xy^3 - 9y^4$	-2712		
$15x^4 - 2x^3y - 2xy^3 - 15y^4$	-2712		
$15x^4 + 2x^3y + 2xy^3 - 15y^4$	-2712		
$-14x^4 - 12x^3y + 3x^2y^2 - 15xy^3 + 13y^4$	-2715		
$-14x^4 - 11x^3y - 11xy^3 + 14y^4$	-2715		
$-14x^4 + 11x^3y + 11xy^3 + 14y^4$	-2715		
$-14x^4 + 12x^3y + 3x^2y^2 + 15xy^3 + 13y^4$	-2715		
$-13x^4 - 15x^3y - 3x^2y^2 - 12xy^3 + 14y^4$	-2715		
$-13x^4 + 15x^3y - 3x^2y^2 + 12xy^3 + 14y^4$	-2715		
$-10x^4 + 20x^3y - 15x^2y^2 + 5xy^3 + 22y^4$	-2715		
$-4x^4 - 3x^3y + 78x^2y^2 + 249xy^3 + 230y^4$	-2715		
$-4x^4 + 3x^3y + 78x^2y^2 - 249xy^3 + 230y^4$	-2715		
$-3x^4 - x^3y - 5xy^3 + 75y^4$	-2715		
$-3x^4 + x^3y + 5xy^3 + 75y^4$	-2715		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 113y^4$	-2715		
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 113y^4$	-2715		
$3x^4 - x^3y - 5xy^3 - 75y^4$	-2715		
$3x^4 + x^3y + 5xy^3 - 75y^4$	-2715		
$4x^4 - 3x^3y - 78x^2y^2 + 249xy^3 - 230y^4$	-2715		
$4x^4 + 3x^3y - 78x^2y^2 - 249xy^3 - 230y^4$	-2715		
$10x^4 + 20x^3y + 15x^2y^2 + 5xy^3 - 22y^4$	-2715		
$13x^4 - 15x^3y + 3x^2y^2 - 12xy^3 - 14y^4$	-2715		
$13x^4 + 15x^3y + 3x^2y^2 + 12xy^3 - 14y^4$	-2715		
$14x^4 - 12x^3y - 3x^2y^2 - 15xy^3 - 13y^4$	-2715		
$14x^4 - 11x^3y - 11xy^3 - 14y^4$	-2715		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$14x^4 + 11x^3y + 11xy^3 - 14y^4$	-2715	(1, 0)	(1, 0)
$14x^4 + 12x^3y - 3x^2y^2 + 15xy^3 - 13y^4$	-2715		
$-x^4 + 227y^4$	-2724		
$x^4 - 227y^4$	-2724		
$-8x^4 - 2x^3y + 12x^2y^2 + 33xy^3 + 32y^4$	-2730		
$-8x^4 + 2x^3y + 12x^2y^2 - 33xy^3 + 32y^4$	-2730		
$-6x^4 - 11x^3y + 15x^2y^2 - 35xy^3 + 25y^4$	-2730		
$-6x^4 + 11x^3y + 15x^2y^2 + 35xy^3 + 25y^4$	-2730		
$-4x^4 - 6x^3y - 21xy^3 + 49y^4$	-2730		
$-4x^4 - 2x^3y + 24x^2y^2 - 63xy^3 + 61y^4$	-2730		
$-4x^4 + 2x^3y + 24x^2y^2 + 63xy^3 + 61y^4$	-2730		
$-4x^4 + 6x^3y + 21xy^3 + 49y^4$	-2730		
$-3x^4 - 5x^3y + 63x^2y^2 + 259xy^3 + 294y^4$	-2730		
$-3x^4 + 5x^3y + 63x^2y^2 - 259xy^3 + 294y^4$	-2730		
$-2x^4 - x^3y + 12x^2y^2 + 66xy^3 + 128y^4$	-2730		
$-2x^4 + x^3y + 12x^2y^2 - 66xy^3 + 128y^4$	-2730		
$-x^4 - x^3y + 3x^2y^2 + 47xy^3 + 240y^4$	-2730		(1, 0)
$-x^4 - x^3y + 24x^2y^2 - 126xy^3 + 244y^4$	-2730		(1, 0)
$-x^4 + x^3y + 3x^2y^2 - 47xy^3 + 240y^4$	-2730		(1, 0)
$-x^4 + x^3y + 24x^2y^2 + 126xy^3 + 244y^4$	-2730		(1, 0)
$x^4 - x^3y - 24x^2y^2 - 126xy^3 - 244y^4$	-2730	(1, 0)	
$x^4 - x^3y - 3x^2y^2 + 47xy^3 - 240y^4$	-2730	(1, 0)	
$x^4 + x^3y - 24x^2y^2 + 126xy^3 - 244y^4$	-2730	(1, 0)	
$x^4 + x^3y - 3x^2y^2 - 47xy^3 - 240y^4$	-2730	(1, 0)	
$2x^4 - x^3y - 12x^2y^2 + 66xy^3 - 128y^4$	-2730		
$2x^4 + x^3y - 12x^2y^2 - 66xy^3 - 128y^4$	-2730		
$3x^4 - 5x^3y - 63x^2y^2 + 259xy^3 - 294y^4$	-2730		
$3x^4 + 5x^3y - 63x^2y^2 - 259xy^3 - 294y^4$	-2730		
$4x^4 - 6x^3y - 21xy^3 - 49y^4$	-2730		
$4x^4 - 2x^3y - 24x^2y^2 - 63xy^3 - 61y^4$	-2730		
$4x^4 + 2x^3y - 24x^2y^2 + 63xy^3 - 61y^4$	-2730		
$4x^4 + 6x^3y + 21xy^3 - 49y^4$	-2730		
$6x^4 - 11x^3y - 15x^2y^2 - 35xy^3 - 25y^4$	-2730		
$6x^4 + 11x^3y - 15x^2y^2 + 35xy^3 - 25y^4$	-2730		
$8x^4 - 2x^3y - 12x^2y^2 + 33xy^3 - 32y^4$	-2730		
$8x^4 + 2x^3y - 12x^2y^2 - 33xy^3 - 32y^4$	-2730		
$-19x^4 + 12y^4$	-2736		
$-12x^4 - 16x^3y + 24xy^3 + 27y^4$	-2736		
$-12x^4 + 19y^4$	-2736		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-12x^4 + 16x^3y - 24xy^3 + 27y^4$	-2736	(1, 0)	(1, 0)
$-8x^4 - 4x^3y + 42x^2y^2 + 89xy^3 + 58y^4$	-2736		
$-8x^4 + 4x^3y + 42x^2y^2 - 89xy^3 + 58y^4$	-2736		
$-7x^4 - 8x^3y - 16xy^3 + 28y^4$	-2736		
$-7x^4 - 4x^3y + 54x^2y^2 + 124xy^3 + 85y^4$	-2736		
$-7x^4 - 3x^3y + 27x^2y^2 + 63xy^3 + 48y^4$	-2736		
$-7x^4 - 2x^3y + 12x^2y^2 - 32xy^3 + 32y^4$	-2736		
$-7x^4 + 2x^3y + 12x^2y^2 + 32xy^3 + 32y^4$	-2736		
$-7x^4 + 3x^3y + 27x^2y^2 - 63xy^3 + 48y^4$	-2736		
$-7x^4 + 4x^3y + 54x^2y^2 - 124xy^3 + 85y^4$	-2736		
$-7x^4 + 8x^3y + 16xy^3 + 28y^4$	-2736		
$-5x^4 - 4x^3y + 18x^2y^2 + 60xy^3 + 63y^4$	-2736		
$-5x^4 - 2x^3y - 6xy^3 + 45y^4$	-2736		
$-5x^4 + 2x^3y + 6xy^3 + 45y^4$	-2736		
$-5x^4 + 4x^3y + 18x^2y^2 - 60xy^3 + 63y^4$	-2736		
$-4x^4 + 57y^4$	-2736		
$-3x^4 - 4x^3y + 6x^2y^2 - 36xy^3 + 65y^4$	-2736		
$-3x^4 - 2x^3y + 24x^2y^2 - 72xy^3 + 80y^4$	-2736		
$-3x^4 + 76y^4$	-2736		
$-3x^4 + 2x^3y + 24x^2y^2 + 72xy^3 + 80y^4$	-2736		
$-3x^4 + 4x^3y + 6x^2y^2 + 36xy^3 + 65y^4$	-2736		
$-x^4 + 228y^4$	-2736		
$x^4 - 228y^4$	-2736		
$3x^4 - 4x^3y - 6x^2y^2 - 36xy^3 - 65y^4$	-2736		
$3x^4 - 2x^3y - 24x^2y^2 - 72xy^3 - 80y^4$	-2736		
$3x^4 - 76y^4$	-2736		
$3x^4 + 2x^3y - 24x^2y^2 + 72xy^3 - 80y^4$	-2736		
$3x^4 + 4x^3y - 6x^2y^2 + 36xy^3 - 65y^4$	-2736		
$4x^4 - 57y^4$	-2736		
$5x^4 - 4x^3y - 18x^2y^2 + 60xy^3 - 63y^4$	-2736		
$5x^4 - 2x^3y - 6xy^3 - 45y^4$	-2736		
$5x^4 + 2x^3y + 6xy^3 - 45y^4$	-2736		
$5x^4 + 4x^3y - 18x^2y^2 - 60xy^3 - 63y^4$	-2736		
$7x^4 - 8x^3y - 16xy^3 - 28y^4$	-2736		
$7x^4 - 4x^3y - 54x^2y^2 + 124xy^3 - 85y^4$	-2736		
$7x^4 - 3x^3y - 27x^2y^2 + 63xy^3 - 48y^4$	-2736		
$7x^4 - 2x^3y - 12x^2y^2 - 32xy^3 - 32y^4$	-2736		
$7x^4 + 2x^3y - 12x^2y^2 + 32xy^3 - 32y^4$	-2736		
$7x^4 + 3x^3y - 27x^2y^2 - 63xy^3 - 48y^4$	-2736		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$7x^4 + 4x^3y - 54x^2y^2 - 124xy^3 - 85y^4$	-2736		
$7x^4 + 8x^3y + 16xy^3 - 28y^4$	-2736		
$8x^4 - 4x^3y - 42x^2y^2 + 89xy^3 - 58y^4$	-2736		
$8x^4 + 4x^3y - 42x^2y^2 - 89xy^3 - 58y^4$	-2736		
$12x^4 - 16x^3y + 24xy^3 - 27y^4$	-2736		
$12x^4 - 19y^4$	-2736		
$12x^4 + 16x^3y - 24xy^3 - 27y^4$	-2736		
$19x^4 - 12y^4$	-2736		
$-9x^4 - 11x^3y + 33x^2y^2 - 44xy^3 + 22y^4$	-2739		
$-9x^4 + 11x^3y + 33x^2y^2 + 44xy^3 + 22y^4$	-2739		
$-6x^4 - 4x^3y + 3x^2y^2 - 19xy^3 + 35y^4$	-2739		
$-6x^4 + 4x^3y + 3x^2y^2 + 19xy^3 + 35y^4$	-2739		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 114y^4$	-2739		
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 114y^4$	-2739		
$6x^4 - 4x^3y - 3x^2y^2 - 19xy^3 - 35y^4$	-2739		
$6x^4 + 4x^3y - 3x^2y^2 + 19xy^3 - 35y^4$	-2739		
$9x^4 - 11x^3y - 33x^2y^2 - 44xy^3 - 22y^4$	-2739		
$9x^4 + 11x^3y - 33x^2y^2 + 44xy^3 - 22y^4$	-2739		
$-16x^4 - 29x^3y - 9x^2y^2 - 17xy^3 + 7y^4$	-2742		
$-16x^4 + 29x^3y - 9x^2y^2 + 17xy^3 + 7y^4$	-2742		
$-7x^4 - 11x^3y + 18x^2y^2 + 70xy^3 + 64y^4$	-2742		
$-7x^4 + 11x^3y + 18x^2y^2 - 70xy^3 + 64y^4$	-2742		
$-6x^4 - 11x^3y + 3x^2y^2 + 41xy^3 + 57y^4$	-2742		
$-6x^4 + 11x^3y + 3x^2y^2 - 41xy^3 + 57y^4$	-2742		
$6x^4 - 11x^3y - 3x^2y^2 + 41xy^3 - 57y^4$	-2742		
$6x^4 + 11x^3y - 3x^2y^2 - 41xy^3 - 57y^4$	-2742		
$7x^4 - 11x^3y - 18x^2y^2 + 70xy^3 - 64y^4$	-2742		
$7x^4 + 11x^3y - 18x^2y^2 - 70xy^3 - 64y^4$	-2742		
$16x^4 - 29x^3y + 9x^2y^2 - 17xy^3 - 7y^4$	-2742		
$16x^4 + 29x^3y + 9x^2y^2 + 17xy^3 - 7y^4$	-2742		
$-19x^4 - 23x^3y + 23xy^3 + 19y^4$	-2745		
$-19x^4 + 23x^3y - 23xy^3 + 19y^4$	-2745		
$-9x^4 - 3x^3y - 5xy^3 + 25y^4$	-2745		
$-9x^4 + 3x^3y + 5xy^3 + 25y^4$	-2745		
$-6x^4 - 11x^3y + 45x^2y^2 - 66xy^3 + 36y^4$	-2745		
$-6x^4 + 11x^3y + 45x^2y^2 + 66xy^3 + 36y^4$	-2745		
$-4x^4 - 6x^3y - 3x^2y^2 + 7xy^3 + 60y^4$	-2745		
$-4x^4 + 6x^3y - 3x^2y^2 - 7xy^3 + 60y^4$	-2745		
$-2x^4 - x^3y + 180x^2y^2 - 915xy^3 + 1350y^4$	-2745		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-2x^4+x^3y+180x^2y^2+915xy^3+1350y^4$	-2745	(1, 0)	(1, 0)
$-x^4-x^3y-15xy^3+225y^4$	-2745		
$-x^4+x^3y+15xy^3+225y^4$	-2745		
$x^4-x^3y-15xy^3-225y^4$	-2745		
$x^4+x^3y+15xy^3-225y^4$	-2745		
$2x^4-x^3y-180x^2y^2-915xy^3-1350y^4$	-2745		
$2x^4+x^3y-180x^2y^2+915xy^3-1350y^4$	-2745		
$4x^4-6x^3y+3x^2y^2+7xy^3-60y^4$	-2745		
$4x^4+6x^3y+3x^2y^2-7xy^3-60y^4$	-2745		
$6x^4-11x^3y-45x^2y^2-66xy^3-36y^4$	-2745		
$6x^4+11x^3y-45x^2y^2+66xy^3-36y^4$	-2745		
$9x^4-3x^3y-5xy^3-25y^4$	-2745		
$9x^4+3x^3y+5xy^3-25y^4$	-2745		
$19x^4-23x^3y+23xy^3-19y^4$	-2745		
$19x^4+23x^3y-23xy^3-19y^4$	-2745		
$-15x^4-4x^3y-4xy^3+15y^4$	-2748		
$-15x^4+4x^3y+4xy^3+15y^4$	-2748		
$-4x^4+8x^3y-6x^2y^2+2xy^3+57y^4$	-2748		
$-x^4+229y^4$	-2748		
x^4-229y^4	-2748	(1, 0)	(1, 0)
$4x^4+8x^3y+6x^2y^2+2xy^3-57y^4$	-2748		
$15x^4-4x^3y-4xy^3-15y^4$	-2748		
$15x^4+4x^3y+4xy^3-15y^4$	-2748		
$-3x^4-x^3y+15x^2y^2-56xy^3+78y^4$	-2751		
$-3x^4+x^3y+15x^2y^2+56xy^3+78y^4$	-2751		
$3x^4-x^3y-15x^2y^2-56xy^3-78y^4$	-2751		
$3x^4+x^3y-15x^2y^2+56xy^3-78y^4$	-2751		
$-15x^4-14x^3y+24x^2y^2-28xy^3+12y^4$	-2760		
$-15x^4+14x^3y+24x^2y^2+28xy^3+12y^4$	-2760		
$-12x^4-20x^3y-12x^2y^2+2xy^3+21y^4$	-2760		
$-12x^4+20x^3y-12x^2y^2-2xy^3+21y^4$	-2760		
$-10x^4+23y^4$	-2760		
$-5x^4+46y^4$	-2760		
$-3x^4-2x^3y-10xy^3+75y^4$	-2760		
$-3x^4+2x^3y+10xy^3+75y^4$	-2760		
$-2x^4+115y^4$	-2760		
$-x^4+230y^4$	-2760		
x^4-230y^4	-2760		
$2x^4-115y^4$	-2760		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$3x^4 - 2x^3y - 10xy^3 - 75y^4$	-2760		
$3x^4 + 2x^3y + 10xy^3 - 75y^4$	-2760		
$5x^4 - 46y^4$	-2760		
$10x^4 - 23y^4$	-2760		
$12x^4 - 20x^3y + 12x^2y^2 + 2xy^3 - 21y^4$	-2760		
$12x^4 + 20x^3y + 12x^2y^2 - 2xy^3 - 21y^4$	-2760		
$15x^4 - 14x^3y - 24x^2y^2 - 28xy^3 - 12y^4$	-2760		
$15x^4 + 14x^3y - 24x^2y^2 + 28xy^3 - 12y^4$	-2760		
$-18x^4 - 20x^3y - 3x^2y^2 + 15xy^3 + 17y^4$	-2763	(1, -1)	
$-18x^4 + 20x^3y - 3x^2y^2 - 15xy^3 + 17y^4$	-2763	(1, 1)	
$-17x^4 - 15x^3y + 3x^2y^2 + 20xy^3 + 18y^4$	-2763		(1, -1)
$-17x^4 + 15x^3y + 3x^2y^2 - 20xy^3 + 18y^4$	-2763		(1, 1)
$-6x^4 + 12x^3y - 9x^2y^2 + 3xy^3 + 38y^4$	-2763		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 115y^4$	-2763		
$-x^4 - x^3y + 459x^2y^2 - 5156xy^3 + 16498y^4$	-2763		(1, 0)
$-x^4 + x^3y + 459x^2y^2 + 5156xy^3 + 16498y^4$	-2763		(1, 0)
$x^4 - x^3y - 459x^2y^2 - 5156xy^3 - 16498y^4$	-2763	(1, 0)	
$x^4 + x^3y - 459x^2y^2 + 5156xy^3 - 16498y^4$	-2763	(1, 0)	
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 115y^4$	-2763		
$6x^4 + 12x^3y + 9x^2y^2 + 3xy^3 - 38y^4$	-2763		
$17x^4 - 15x^3y - 3x^2y^2 + 20xy^3 - 18y^4$	-2763	(1, 1)	
$17x^4 + 15x^3y - 3x^2y^2 - 20xy^3 - 18y^4$	-2763	(1, -1)	
$18x^4 - 20x^3y + 3x^2y^2 + 15xy^3 - 17y^4$	-2763		(1, 1)
$18x^4 + 20x^3y + 3x^2y^2 - 15xy^3 - 17y^4$	-2763		(1, -1)
$-11x^4 + 21y^4$	-2772		
$-7x^4 + 33y^4$	-2772		
$-5x^4 - 7x^3y + 9x^2y^2 - 33xy^3 + 36y^4$	-2772		
$-5x^4 + 7x^3y + 9x^2y^2 + 33xy^3 + 36y^4$	-2772		
$-4x^4 - 5x^3y + 20xy^3 + 64y^4$	-2772		
$-4x^4 + 5x^3y - 20xy^3 + 64y^4$	-2772		
$-3x^4 + 77y^4$	-2772		
$-x^4 + 231y^4$	-2772		(1, 0)
$x^4 - 231y^4$	-2772	(1, 0)	
$3x^4 - 77y^4$	-2772		
$4x^4 - 5x^3y + 20xy^3 - 64y^4$	-2772		
$4x^4 + 5x^3y - 20xy^3 - 64y^4$	-2772		
$5x^4 - 7x^3y - 9x^2y^2 - 33xy^3 - 36y^4$	-2772		
$5x^4 + 7x^3y - 9x^2y^2 + 33xy^3 - 36y^4$	-2772		
$7x^4 - 33y^4$	-2772		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$11x^4 - 21y^4$	-2772	(1, 0)	(1, 0)
$-11x^4 - 21x^3y - 21xy^3 + 11y^4$	-2775		
$-11x^4 + 21x^3y + 21xy^3 + 11y^4$	-2775		
$-7x^4 - x^3y + 39x^2y^2 + 80xy^3 + 54y^4$	-2775		
$-7x^4 + x^3y + 39x^2y^2 - 80xy^3 + 54y^4$	-2775		
$7x^4 - x^3y - 39x^2y^2 + 80xy^3 - 54y^4$	-2775		
$7x^4 + x^3y - 39x^2y^2 - 80xy^3 - 54y^4$	-2775		
$11x^4 - 21x^3y - 21xy^3 - 11y^4$	-2775		
$11x^4 + 21x^3y + 21xy^3 - 11y^4$	-2775		
$-8x^4 - 7x^3y + 14xy^3 + 32y^4$	-2778		
$-8x^4 + 7x^3y - 14xy^3 + 32y^4$	-2778		
$8x^4 - 7x^3y + 14xy^3 - 32y^4$	-2778		
$8x^4 + 7x^3y - 14xy^3 - 32y^4$	-2778		
$-20x^4 - 34x^3y - 21x^2y^2 - xy^3 + 13y^4$	-2781		
$-20x^4 + 34x^3y - 21x^2y^2 + xy^3 + 13y^4$	-2781		
$-13x^4 - x^3y + 21x^2y^2 - 34xy^3 + 20y^4$	-2781		
$-13x^4 + x^3y + 21x^2y^2 + 34xy^3 + 20y^4$	-2781		
$-7x^4 - 9x^3y + 54x^2y^2 + 153xy^3 + 117y^4$	-2781		
$-7x^4 + 9x^3y + 54x^2y^2 - 153xy^3 + 117y^4$	-2781		
$-5x^4 - 3x^3y - 9xy^3 + 45y^4$	-2781		
$-5x^4 + 3x^3y + 9xy^3 + 45y^4$	-2781		
$5x^4 - 3x^3y - 9xy^3 - 45y^4$	-2781		
$5x^4 + 3x^3y + 9xy^3 - 45y^4$	-2781		
$7x^4 - 9x^3y - 54x^2y^2 + 153xy^3 - 117y^4$	-2781		
$7x^4 + 9x^3y - 54x^2y^2 - 153xy^3 - 117y^4$	-2781		
$13x^4 - x^3y - 21x^2y^2 - 34xy^3 - 20y^4$	-2781		
$13x^4 + x^3y - 21x^2y^2 + 34xy^3 - 20y^4$	-2781		
$20x^4 - 34x^3y + 21x^2y^2 - xy^3 - 13y^4$	-2781		
$20x^4 + 34x^3y + 21x^2y^2 + xy^3 - 13y^4$	-2781		
$-8x^4 + 29y^4$	-2784		
$-x^4 + 232y^4$	-2784		
$x^4 - 232y^4$	-2784		
$8x^4 - 29y^4$	-2784		
$-10x^4 - 17x^3y + 9x^2y^2 + 52xy^3 + 46y^4$	-2787		
$-10x^4 + 17x^3y + 9x^2y^2 - 52xy^3 + 46y^4$	-2787		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 116y^4$	-2787		
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 116y^4$	-2787		
$10x^4 - 17x^3y - 9x^2y^2 + 52xy^3 - 46y^4$	-2787		
$10x^4 + 17x^3y - 9x^2y^2 - 52xy^3 - 46y^4$	-2787		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-20x^4 - 13x^3y - 3x^2y^2 + 2xy^3 + 12y^4$	-2793	(1, 0)	(1, 0)
$-20x^4 + 13x^3y - 3x^2y^2 - 2xy^3 + 12y^4$	-2793		
$-17x^4 - 15x^3y + 15xy^3 + 17y^4$	-2793		
$-17x^4 + 15x^3y - 15xy^3 + 17y^4$	-2793		
$-12x^4 - 2x^3y + 3x^2y^2 + 13xy^3 + 20y^4$	-2793		
$-12x^4 + 2x^3y + 3x^2y^2 - 13xy^3 + 20y^4$	-2793		
$-3x^4 - x^3y + 3x^2y^2 + 26xy^3 + 80y^4$	-2793		
$-3x^4 + x^3y + 3x^2y^2 - 26xy^3 + 80y^4$	-2793		
$3x^4 - x^3y - 3x^2y^2 + 26xy^3 - 80y^4$	-2793		
$3x^4 + x^3y - 3x^2y^2 - 26xy^3 - 80y^4$	-2793		
$12x^4 - 2x^3y - 3x^2y^2 + 13xy^3 - 20y^4$	-2793		
$12x^4 + 2x^3y - 3x^2y^2 - 13xy^3 - 20y^4$	-2793		
$17x^4 - 15x^3y + 15xy^3 - 17y^4$	-2793		
$17x^4 + 15x^3y - 15xy^3 - 17y^4$	-2793		
$20x^4 - 13x^3y + 3x^2y^2 + 2xy^3 - 12y^4$	-2793		
$20x^4 + 13x^3y + 3x^2y^2 - 2xy^3 - 12y^4$	-2793		
$-13x^4 - 16x^3y - 16xy^3 + 13y^4$	-2796		
$-13x^4 + 16x^3y + 16xy^3 + 13y^4$	-2796		
$-2x^4 - 3x^3y + 30x^2y^2 + 144xy^3 + 208y^4$	-2796		
$-2x^4 + 3x^3y + 30x^2y^2 - 144xy^3 + 208y^4$	-2796		
$-x^4 + 233y^4$	-2796		
$x^4 - 233y^4$	-2796		
$2x^4 - 3x^3y - 30x^2y^2 + 144xy^3 - 208y^4$	-2796		
$2x^4 + 3x^3y - 30x^2y^2 - 144xy^3 - 208y^4$	-2796		
$13x^4 - 16x^3y - 16xy^3 - 13y^4$	-2796		
$13x^4 + 16x^3y + 16xy^3 - 13y^4$	-2796		
$-6x^4 - 11x^3y + 33xy^3 + 54y^4$	-2799		
$-6x^4 + 11x^3y - 33xy^3 + 54y^4$	-2799		
$6x^4 - 11x^3y + 33xy^3 - 54y^4$	-2799		
$6x^4 + 11x^3y - 33xy^3 - 54y^4$	-2799		
$-18x^4 - 19x^3y + 19xy^3 + 18y^4$	-2805		
$-18x^4 + 19x^3y - 19xy^3 + 18y^4$	-2805		
$18x^4 - 19x^3y + 19xy^3 - 18y^4$	-2805		
$18x^4 + 19x^3y - 19xy^3 - 18y^4$	-2805		
$-18x^4 + 13y^4$	-2808		
$-13x^4 + 18y^4$	-2808		
$-9x^4 + 26y^4$	-2808		
$-7x^4 - 9x^3y - 3x^2y^2 - 11xy^3 + 30y^4$	-2808		
$-7x^4 + 9x^3y - 3x^2y^2 + 11xy^3 + 30y^4$	-2808		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-2x^4 + 117y^4$	-2808	(1, 0)	(1, 0)
$-x^4 + 234y^4$	-2808		
$x^4 - 234y^4$	-2808		
$2x^4 - 117y^4$	-2808		
$7x^4 - 9x^3y + 3x^2y^2 - 11xy^3 - 30y^4$	-2808		
$7x^4 + 9x^3y + 3x^2y^2 + 11xy^3 - 30y^4$	-2808		
$9x^4 - 26y^4$	-2808		
$13x^4 - 18y^4$	-2808		
$18x^4 - 13y^4$	-2808		
$-12x^4 - 19x^3y - 19xy^3 + 12y^4$	-2811		
$-12x^4 + 19x^3y + 19xy^3 + 12y^4$	-2811		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 117y^4$	-2811		
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 117y^4$	-2811		
$12x^4 - 19x^3y - 19xy^3 - 12y^4$	-2811		
$12x^4 + 19x^3y + 19xy^3 - 12y^4$	-2811		
$-5x^4 - 9x^3y + 21x^2y^2 - 45xy^3 + 34y^4$	-2814		
$-5x^4 + 9x^3y + 21x^2y^2 + 45xy^3 + 34y^4$	-2814		
$-x^4 - x^3y + 198x^2y^2 - 1462xy^3 + 3136y^4$	-2814		(1, 0)
$-x^4 + x^3y + 198x^2y^2 + 1462xy^3 + 3136y^4$	-2814		
$x^4 - x^3y - 198x^2y^2 - 1462xy^3 - 3136y^4$	-2814	(1, 0)	(1, 0)
$x^4 + x^3y - 198x^2y^2 + 1462xy^3 - 3136y^4$	-2814	(1, 0)	
$5x^4 - 9x^3y - 21x^2y^2 - 45xy^3 - 34y^4$	-2814	(1, 0)	(1, 0)
$5x^4 + 9x^3y - 21x^2y^2 + 45xy^3 - 34y^4$	-2814		
$-19x^4 - 25x^3y - 9x^2y^2 + 10xy^3 + 16y^4$	-2817		
$-19x^4 + 25x^3y - 9x^2y^2 - 10xy^3 + 16y^4$	-2817		
$-16x^4 - 10x^3y + 9x^2y^2 + 25xy^3 + 19y^4$	-2817		
$-16x^4 + 10x^3y + 9x^2y^2 - 25xy^3 + 19y^4$	-2817		
$-12x^4 - 11x^3y + 6x^2y^2 + 27xy^3 + 26y^4$	-2817		
$-12x^4 + 11x^3y + 6x^2y^2 - 27xy^3 + 26y^4$	-2817		
$-4x^4 - 5x^3y + 9x^2y^2 + 50xy^3 + 76y^4$	-2817		
$-4x^4 - 2x^3y + 117x^2y^2 + 401xy^3 + 394y^4$	-2817		
$-4x^4 + 2x^3y + 117x^2y^2 - 401xy^3 + 394y^4$	-2817		
$-4x^4 + 5x^3y + 9x^2y^2 - 50xy^3 + 76y^4$	-2817		
$-3x^4 - 5x^3y + 150x^2y^2 - 495xy^3 + 497y^4$	-2817		
$-3x^4 + 5x^3y + 150x^2y^2 + 495xy^3 + 497y^4$	-2817		
$-x^4 - x^3y + 117x^2y^2 + 802xy^3 + 1576y^4$	-2817		(1, 0)
$-x^4 + x^3y + 117x^2y^2 - 802xy^3 + 1576y^4$	-2817		
$x^4 - x^3y - 117x^2y^2 + 802xy^3 - 1576y^4$	-2817	(1, 0)	(1, 0)
$x^4 + x^3y - 117x^2y^2 - 802xy^3 - 1576y^4$	-2817	(1, 0)	

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$3x^4 - 5x^3y - 150x^2y^2 - 495xy^3 - 497y^4$	-2817	(1, 0)	(1, 0)
$3x^4 + 5x^3y - 150x^2y^2 + 495xy^3 - 497y^4$	-2817		
$4x^4 - 5x^3y - 9x^2y^2 + 50xy^3 - 76y^4$	-2817		
$4x^4 - 2x^3y - 117x^2y^2 + 401xy^3 - 394y^4$	-2817		
$4x^4 + 2x^3y - 117x^2y^2 - 401xy^3 - 394y^4$	-2817		
$4x^4 + 5x^3y - 9x^2y^2 - 50xy^3 - 76y^4$	-2817		
$12x^4 - 11x^3y - 6x^2y^2 + 27xy^3 - 26y^4$	-2817		
$12x^4 + 11x^3y - 6x^2y^2 - 27xy^3 - 26y^4$	-2817		
$16x^4 - 10x^3y - 9x^2y^2 + 25xy^3 - 19y^4$	-2817		
$16x^4 + 10x^3y - 9x^2y^2 - 25xy^3 - 19y^4$	-2817		
$19x^4 - 25x^3y + 9x^2y^2 + 10xy^3 - 16y^4$	-2817		
$19x^4 + 25x^3y + 9x^2y^2 - 10xy^3 - 16y^4$	-2817		
$-5x^4 + 47y^4$	-2820		
$-x^4 + 235y^4$	-2820		
$x^4 - 235y^4$	-2820		
$5x^4 - 47y^4$	-2820		
$-5x^4 - 9x^3y + 57x^2y^2 - 96xy^3 + 58y^4$	-2823		
$-5x^4 + 9x^3y + 57x^2y^2 + 96xy^3 + 58y^4$	-2823		
$5x^4 - 9x^3y - 57x^2y^2 - 96xy^3 - 58y^4$	-2823		
$5x^4 + 9x^3y - 57x^2y^2 + 96xy^3 - 58y^4$	-2823		
$-16x^4 - 13x^3y - 3x^2y^2 + 6xy^3 + 16y^4$	-2829		
$-16x^4 - 9x^3y + 9xy^3 + 16y^4$	-2829		
$-16x^4 - 6x^3y + 3x^2y^2 + 13xy^3 + 16y^4$	-2829		
$-16x^4 + 6x^3y + 3x^2y^2 - 13xy^3 + 16y^4$	-2829		
$-16x^4 + 9x^3y - 9xy^3 + 16y^4$	-2829		
$-16x^4 + 13x^3y - 3x^2y^2 - 6xy^3 + 16y^4$	-2829		
$-10x^4 - x^3y + 3x^2y^2 + 14xy^3 + 24y^4$	-2829		
$-10x^4 + x^3y + 3x^2y^2 - 14xy^3 + 24y^4$	-2829		
$-6x^4 - 7x^3y - 3x^2y^2 + 2xy^3 + 40y^4$	-2829		
$-6x^4 + 7x^3y - 3x^2y^2 - 2xy^3 + 40y^4$	-2829		
$-4x^4 - 3x^3y + 3x^2y^2 + 26xy^3 + 64y^4$	-2829		
$-4x^4 + 3x^3y + 3x^2y^2 - 26xy^3 + 64y^4$	-2829		
$4x^4 - 3x^3y - 3x^2y^2 + 26xy^3 - 64y^4$	-2829		
$4x^4 + 3x^3y - 3x^2y^2 - 26xy^3 - 64y^4$	-2829		
$6x^4 - 7x^3y + 3x^2y^2 + 2xy^3 - 40y^4$	-2829		
$6x^4 + 7x^3y + 3x^2y^2 - 2xy^3 - 40y^4$	-2829		
$10x^4 - x^3y - 3x^2y^2 + 14xy^3 - 24y^4$	-2829		
$10x^4 + x^3y - 3x^2y^2 - 14xy^3 - 24y^4$	-2829		
$16x^4 - 13x^3y + 3x^2y^2 + 6xy^3 - 16y^4$	-2829		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$16x^4 - 9x^3y + 9xy^3 - 16y^4$	-2829	(1, 0)	(1, 0)
$16x^4 - 6x^3y - 3x^2y^2 + 13xy^3 - 16y^4$	-2829		
$16x^4 + 6x^3y - 3x^2y^2 - 13xy^3 - 16y^4$	-2829		
$16x^4 + 9x^3y - 9xy^3 - 16y^4$	-2829		
$16x^4 + 13x^3y + 3x^2y^2 - 6xy^3 - 16y^4$	-2829		
$-8x^4 + 16x^3y - 12x^2y^2 + 4xy^3 + 29y^4$	-2832		
$-4x^4 + 59y^4$	-2832		
$-3x^4 - 4x^3y + 48x^2y^2 + 184xy^3 + 204y^4$	-2832		
$-3x^4 + 4x^3y + 48x^2y^2 - 184xy^3 + 204y^4$	-2832		
$-x^4 + 236y^4$	-2832		
$x^4 - 236y^4$	-2832		
$3x^4 - 4x^3y - 48x^2y^2 + 184xy^3 - 204y^4$	-2832		
$3x^4 + 4x^3y - 48x^2y^2 - 184xy^3 - 204y^4$	-2832		
$4x^4 - 59y^4$	-2832		
$8x^4 + 16x^3y + 12x^2y^2 + 4xy^3 - 29y^4$	-2832		
$-16x^4 - 7x^3y + 21x^2y^2 - 28xy^3 + 14y^4$	-2835		
$-16x^4 + 7x^3y + 21x^2y^2 + 28xy^3 + 14y^4$	-2835		
$-14x^4 + 28x^3y - 21x^2y^2 + 7xy^3 + 16y^4$	-2835		
$-10x^4 - 4x^3y + 9x^2y^2 + 27xy^3 + 27y^4$	-2835		
$-10x^4 + 4x^3y + 9x^2y^2 - 27xy^3 + 27y^4$	-2835		
$-10x^4 + 20x^3y - 15x^2y^2 + 5xy^3 + 23y^4$	-2835		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 118y^4$	-2835		
$-x^4 - x^3y + 63x^2y^2 - 308xy^3 + 490y^4$	-2835		
$-x^4 - x^3y + 354x^2y^2 + 3839xy^3 + 11639y^4$	-2835		
$-x^4 + x^3y + 63x^2y^2 + 308xy^3 + 490y^4$	-2835		
$-x^4 + x^3y + 354x^2y^2 - 3839xy^3 + 11639y^4$	-2835		
$x^4 - x^3y - 354x^2y^2 + 3839xy^3 - 11639y^4$	-2835		
$x^4 - x^3y - 63x^2y^2 - 308xy^3 - 490y^4$	-2835		
$x^4 + x^3y - 354x^2y^2 - 3839xy^3 - 11639y^4$	-2835		
$x^4 + x^3y - 63x^2y^2 + 308xy^3 - 490y^4$	-2835		
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 118y^4$	-2835		
$10x^4 - 4x^3y - 9x^2y^2 + 27xy^3 - 27y^4$	-2835		
$10x^4 + 4x^3y - 9x^2y^2 - 27xy^3 - 27y^4$	-2835		
$10x^4 + 20x^3y + 15x^2y^2 + 5xy^3 - 23y^4$	-2835		
$14x^4 + 28x^3y + 21x^2y^2 + 7xy^3 - 16y^4$	-2835		
$16x^4 - 7x^3y - 21x^2y^2 - 28xy^3 - 14y^4$	-2835		
$16x^4 + 7x^3y - 21x^2y^2 + 28xy^3 - 14y^4$	-2835		
$-7x^4 - 9x^3y - 18xy^3 + 28y^4$	-2838		
$-7x^4 + 9x^3y + 18xy^3 + 28y^4$	-2838		
		(1, 0)	(8, -1) (1, 0)
		(1, 0)	(1, 0)
		(8, 1) (1, 0)	(8, 1) (1, 0)
		(8, 1) (1, 0)	
		(1, 0)	
		(8, -1) (1, 0)	
		(1, 0)	

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-2x^4 - 3x^3y + 81x^2y^2 + 393xy^3 + 539y^4$	-2838	(1, 0)	(1, 0)
$-2x^4 + 3x^3y + 81x^2y^2 - 393xy^3 + 539y^4$	-2838		
$2x^4 - 3x^3y - 81x^2y^2 + 393xy^3 - 539y^4$	-2838		
$2x^4 + 3x^3y - 81x^2y^2 - 393xy^3 - 539y^4$	-2838		
$7x^4 - 9x^3y - 18xy^3 - 28y^4$	-2838		
$7x^4 + 9x^3y + 18xy^3 - 28y^4$	-2838		
$-19x^4 - 6x^3y + 18x^2y^2 - 24xy^3 + 12y^4$	-2844		
$-19x^4 + 6x^3y + 18x^2y^2 + 24xy^3 + 12y^4$	-2844		
$-12x^4 + 24x^3y - 18x^2y^2 + 6xy^3 + 19y^4$	-2844		
$-5x^4 - 4x^3y - 12xy^3 + 45y^4$	-2844		
$-5x^4 + 4x^3y + 12xy^3 + 45y^4$	-2844		
$-4x^4 + 8x^3y - 6x^2y^2 + 2xy^3 + 59y^4$	-2844		
$-3x^4 + 79y^4$	-2844		
$-x^4 + 237y^4$	-2844		
$x^4 - 237y^4$	-2844		
$3x^4 - 79y^4$	-2844		
$4x^4 + 8x^3y + 6x^2y^2 + 2xy^3 - 59y^4$	-2844		
$5x^4 - 4x^3y - 12xy^3 - 45y^4$	-2844		
$5x^4 + 4x^3y + 12xy^3 - 45y^4$	-2844		
$12x^4 + 24x^3y + 18x^2y^2 + 6xy^3 - 19y^4$	-2844		
$19x^4 - 6x^3y - 18x^2y^2 - 24xy^3 - 12y^4$	-2844		
$19x^4 + 6x^3y - 18x^2y^2 + 24xy^3 - 12y^4$	-2844		
$-15x^4 - 7x^3y - 7xy^3 + 15y^4$	-2847		
$-15x^4 + 7x^3y + 7xy^3 + 15y^4$	-2847		
$-9x^4 - 11x^3y + 21x^2y^2 + 64xy^3 + 50y^4$	-2847		
$-9x^4 + 11x^3y + 21x^2y^2 - 64xy^3 + 50y^4$	-2847		
$9x^4 - 11x^3y - 21x^2y^2 + 64xy^3 - 50y^4$	-2847		
$9x^4 + 11x^3y - 21x^2y^2 - 64xy^3 - 50y^4$	-2847		
$15x^4 - 7x^3y - 7xy^3 - 15y^4$	-2847		
$15x^4 + 7x^3y + 7xy^3 - 15y^4$	-2847		
$-17x^4 + 14y^4$	-2856		
$-14x^4 + 17y^4$	-2856		
$-7x^4 + 34y^4$	-2856		
$-3x^4 - x^3y + 21x^2y^2 + 77xy^3 + 98y^4$	-2856		
$-3x^4 + x^3y + 21x^2y^2 - 77xy^3 + 98y^4$	-2856		
$-2x^4 - 3x^3y + 24xy^3 + 128y^4$	-2856		
$-2x^4 + 119y^4$	-2856		
$-2x^4 + 3x^3y - 24xy^3 + 128y^4$	-2856		
$-x^4 + 238y^4$	-2856		(1, 0)

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$x^4 - 238y^4$	-2856	(1, 0)	
$2x^4 - 3x^3y + 24xy^3 - 128y^4$	-2856		
$2x^4 - 119y^4$	-2856		
$2x^4 + 3x^3y - 24xy^3 - 128y^4$	-2856		
$3x^4 - x^3y - 21x^2y^2 + 77xy^3 - 98y^4$	-2856		
$3x^4 + x^3y - 21x^2y^2 - 77xy^3 - 98y^4$	-2856		
$7x^4 - 34y^4$	-2856		
$14x^4 - 17y^4$	-2856		
$17x^4 - 14y^4$	-2856		
$-14x^4 - 13x^3y - 13xy^3 + 14y^4$	-2859		
$-14x^4 + 13x^3y + 13xy^3 + 14y^4$	-2859		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 119y^4$	-2859		
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 119y^4$	-2859		
$14x^4 - 13x^3y - 13xy^3 - 14y^4$	-2859		
$14x^4 + 13x^3y + 13xy^3 - 14y^4$	-2859		
$-16x^4 - 30x^3y + 45xy^3 + 36y^4$	-2862		
$-16x^4 + 30x^3y - 45xy^3 + 36y^4$	-2862		
$-5x^4 - x^3y + 33x^2y^2 + 83xy^3 + 70y^4$	-2862		
$-5x^4 + x^3y + 33x^2y^2 - 83xy^3 + 70y^4$	-2862		
$-4x^4 - x^3y + 21x^2y^2 - 61xy^3 + 65y^4$	-2862		
$-4x^4 + x^3y + 21x^2y^2 + 61xy^3 + 65y^4$	-2862		
$4x^4 - x^3y - 21x^2y^2 - 61xy^3 - 65y^4$	-2862		
$4x^4 + x^3y - 21x^2y^2 + 61xy^3 - 65y^4$	-2862		
$5x^4 - x^3y - 33x^2y^2 + 83xy^3 - 70y^4$	-2862		
$5x^4 + x^3y - 33x^2y^2 - 83xy^3 - 70y^4$	-2862		
$16x^4 - 30x^3y + 45xy^3 - 36y^4$	-2862		
$16x^4 + 30x^3y - 45xy^3 - 36y^4$	-2862		
$-15x^4 - 11x^3y + 6x^2y^2 - 17xy^3 + 13y^4$	-2865		
$-15x^4 + 11x^3y + 6x^2y^2 + 17xy^3 + 13y^4$	-2865		
$-13x^4 - 17x^3y - 6x^2y^2 - 11xy^3 + 15y^4$	-2865		
$-13x^4 + 17x^3y - 6x^2y^2 + 11xy^3 + 15y^4$	-2865		
$-8x^4 - x^3y + 51x^2y^2 + 98xy^3 + 60y^4$	-2865		
$-8x^4 + x^3y + 51x^2y^2 - 98xy^3 + 60y^4$	-2865		
$-6x^4 - x^3y + 33x^2y^2 - 70xy^3 + 52y^4$	-2865		
$-6x^4 + x^3y + 33x^2y^2 + 70xy^3 + 52y^4$	-2865		
$6x^4 - x^3y - 33x^2y^2 - 70xy^3 - 52y^4$	-2865		
$6x^4 + x^3y - 33x^2y^2 + 70xy^3 - 52y^4$	-2865		
$8x^4 - x^3y - 51x^2y^2 + 98xy^3 - 60y^4$	-2865		
$8x^4 + x^3y - 51x^2y^2 - 98xy^3 - 60y^4$	-2865		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$13x^4 - 17x^3y + 6x^2y^2 - 11xy^3 - 15y^4$	-2865	(1, 0)	(1, 0)
$13x^4 + 17x^3y + 6x^2y^2 + 11xy^3 - 15y^4$	-2865		
$15x^4 - 11x^3y - 6x^2y^2 - 17xy^3 - 13y^4$	-2865		
$15x^4 + 11x^3y - 6x^2y^2 + 17xy^3 - 13y^4$	-2865		
$-x^4 + 239y^4$	-2868		
$x^4 - 239y^4$	-2868		
$-18x^4 - 24x^3y - 9x^2y^2 - 11xy^3 + 10y^4$	-2871		
$-18x^4 + 24x^3y - 9x^2y^2 + 11xy^3 + 10y^4$	-2871		
$-10x^4 - 11x^3y + 9x^2y^2 - 24xy^3 + 18y^4$	-2871		
$-10x^4 + 11x^3y + 9x^2y^2 + 24xy^3 + 18y^4$	-2871		
$-2x^4 + 3x^2y^2 - 31xy^3 + 120y^4$	-2871		
$-2x^4 + 3x^2y^2 + 31xy^3 + 120y^4$	-2871		
$2x^4 - 3x^2y^2 - 31xy^3 - 120y^4$	-2871		
$2x^4 - 3x^2y^2 + 31xy^3 - 120y^4$	-2871		
$10x^4 - 11x^3y - 9x^2y^2 - 24xy^3 - 18y^4$	-2871		
$10x^4 + 11x^3y - 9x^2y^2 + 24xy^3 - 18y^4$	-2871		
$18x^4 - 24x^3y + 9x^2y^2 - 11xy^3 - 10y^4$	-2871		
$18x^4 + 24x^3y + 9x^2y^2 + 11xy^3 - 10y^4$	-2871		
$-14x^4 - 23x^3y + 15x^2y^2 - 23xy^3 + 9y^4$	-2874		
$-14x^4 + 23x^3y + 15x^2y^2 + 23xy^3 + 9y^4$	-2874		
$-9x^4 - 13x^3y + 26xy^3 + 36y^4$	-2874		
$-9x^4 + 13x^3y - 26xy^3 + 36y^4$	-2874		
$9x^4 - 13x^3y + 26xy^3 - 36y^4$	-2874		
$9x^4 + 13x^3y - 26xy^3 - 36y^4$	-2874		
$14x^4 - 23x^3y - 15x^2y^2 - 23xy^3 - 9y^4$	-2874		
$14x^4 + 23x^3y - 15x^2y^2 + 23xy^3 - 9y^4$	-2874		
$-11x^4 - 21x^3y + 27x^2y^2 + 102xy^3 + 76y^4$	-2877		
$-11x^4 - 15x^3y - 3x^2y^2 + 18xy^3 + 28y^4$	-2877		
$-11x^4 + 15x^3y - 3x^2y^2 - 18xy^3 + 28y^4$	-2877		
$-11x^4 + 21x^3y + 27x^2y^2 - 102xy^3 + 76y^4$	-2877		
$-8x^4 - 6x^3y + 3x^2y^2 + 21xy^3 + 34y^4$	-2877		
$-8x^4 + 6x^3y + 3x^2y^2 - 21xy^3 + 34y^4$	-2877		
$-7x^4 - 9x^3y + 3x^2y^2 + 30xy^3 + 44y^4$	-2877		
$-7x^4 + 9x^3y + 3x^2y^2 - 30xy^3 + 44y^4$	-2877		
$-2x^4 - 3x^3y + 3x^2y^2 + 42xy^3 + 136y^4$	-2877		
$-2x^4 + 3x^3y + 3x^2y^2 - 42xy^3 + 136y^4$	-2877		
$2x^4 - 3x^3y - 3x^2y^2 + 42xy^3 - 136y^4$	-2877		
$2x^4 + 3x^3y - 3x^2y^2 - 42xy^3 - 136y^4$	-2877		
$7x^4 - 9x^3y - 3x^2y^2 + 30xy^3 - 44y^4$	-2877		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$7x^4 + 9x^3y - 3x^2y^2 - 30xy^3 - 44y^4$	-2877	(1, 1) (1, -1)	(1, 1) (1, -1)
$8x^4 - 6x^3y - 3x^2y^2 + 21xy^3 - 34y^4$	-2877		
$8x^4 + 6x^3y - 3x^2y^2 - 21xy^3 - 34y^4$	-2877		
$11x^4 - 21x^3y - 27x^2y^2 + 102xy^3 - 76y^4$	-2877		
$11x^4 - 15x^3y + 3x^2y^2 + 18xy^3 - 28y^4$	-2877		
$11x^4 + 15x^3y + 3x^2y^2 - 18xy^3 - 28y^4$	-2877		
$11x^4 + 21x^3y - 27x^2y^2 - 102xy^3 - 76y^4$	-2877		
$-20x^4 - 32x^3y - 12x^2y^2 + 16xy^3 + 19y^4$	-2880		
$-20x^4 + 32x^3y - 12x^2y^2 - 16xy^3 + 19y^4$	-2880		
$-19x^4 - 22x^3y + 22xy^3 + 19y^4$	-2880		
$-19x^4 - 16x^3y + 12x^2y^2 + 32xy^3 + 20y^4$	-2880		
$-19x^4 + 16x^3y + 12x^2y^2 - 32xy^3 + 20y^4$	-2880		
$-19x^4 + 22x^3y - 22xy^3 + 19y^4$	-2880		
$-17x^4 - 14x^3y + 14xy^3 + 17y^4$	-2880		
$-17x^4 + 14x^3y - 14xy^3 + 17y^4$	-2880		
$-16x^4 + 15y^4$	-2880		
$-15x^4 + 16y^4$	-2880		
$-14x^4 - 25x^3y - 9x^2y^2 + 21xy^3 + 27y^4$	-2880		
$-14x^4 + 25x^3y - 9x^2y^2 - 21xy^3 + 27y^4$	-2880		
$-13x^4 - 24x^3y - 12x^2y^2 - 16xy^3 + 12y^4$	-2880		
$-13x^4 + 24x^3y - 12x^2y^2 + 16xy^3 + 12y^4$	-2880		
$-12x^4 - 16x^3y + 12x^2y^2 - 24xy^3 + 13y^4$	-2880		
$-12x^4 + 16x^3y + 12x^2y^2 + 24xy^3 + 13y^4$	-2880		
$-9x^4 - 6x^3y - 10xy^3 + 25y^4$	-2880		
$-9x^4 + 6x^3y + 10xy^3 + 25y^4$	-2880		
$-8x^4 - 12x^3y + 30x^2y^2 + 95xy^3 + 75y^4$	-2880		
$-8x^4 + 12x^3y + 30x^2y^2 - 95xy^3 + 75y^4$	-2880		
$-5x^4 - 4x^3y + 6x^2y^2 - 28xy^3 + 43y^4$	-2880		
$-5x^4 + 48y^4$	-2880		
$-5x^4 + 4x^3y + 6x^2y^2 + 28xy^3 + 43y^4$	-2880		
$-4x^4 + 36x^2y^2 - 96xy^3 + 87y^4$	-2880		
$-4x^4 + 36x^2y^2 + 96xy^3 + 87y^4$	-2880		
$-4x^4 + 60x^2y^2 - 160xy^3 + 135y^4$	-2880		
$-4x^4 + 60x^2y^2 + 160xy^3 + 135y^4$	-2880		
$-3x^4 - 5x^3y + 12x^2y^2 - 48xy^3 + 64y^4$	-2880		
$-3x^4 - 4x^3y + 18x^2y^2 + 84xy^3 + 117y^4$	-2880		
$-3x^4 + 80y^4$	-2880		
$-3x^4 + 108x^2y^2 - 384xy^3 + 404y^4$	-2880		
$-3x^4 + 108x^2y^2 + 384xy^3 + 404y^4$	-2880		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-3x^4 + 4x^3y + 18x^2y^2 - 84xy^3 + 117y^4$	-2880		
$-3x^4 + 5x^3y + 12x^2y^2 + 48xy^3 + 64y^4$	-2880		
$-x^4 + 240y^4$	-2880		(1, 0)
$-x^4 + 36x^2y^2 - 192xy^3 + 348y^4$	-2880		(1, 0)
$-x^4 + 36x^2y^2 + 192xy^3 + 348y^4$	-2880		(1, 0)
$-x^4 + 60x^2y^2 - 320xy^3 + 540y^4$	-2880		(1, 0)
$-x^4 + 60x^2y^2 + 320xy^3 + 540y^4$	-2880		(1, 0)
$-x^4 + 2x^3y - 32xy^3 + 256y^4$	-2880		(1, 0)
$-x^4 + 2x^3y + 30xy^3 + 225y^4$	-2880		(1, 0)
$x^4 - 60x^2y^2 - 320xy^3 - 540y^4$	-2880	(1, 0)	
$x^4 - 60x^2y^2 + 320xy^3 - 540y^4$	-2880	(1, 0)	
$x^4 - 36x^2y^2 - 192xy^3 - 348y^4$	-2880	(1, 0)	
$x^4 - 36x^2y^2 + 192xy^3 - 348y^4$	-2880	(1, 0)	
$x^4 - 240y^4$	-2880	(1, 0)	
$x^4 + 2x^3y - 32xy^3 - 256y^4$	-2880	(1, 0)	
$x^4 + 2x^3y + 30xy^3 - 225y^4$	-2880	(1, 0)	
$3x^4 - 5x^3y - 12x^2y^2 - 48xy^3 - 64y^4$	-2880		
$3x^4 - 4x^3y - 18x^2y^2 + 84xy^3 - 117y^4$	-2880		
$3x^4 - 108x^2y^2 - 384xy^3 - 404y^4$	-2880		
$3x^4 - 108x^2y^2 + 384xy^3 - 404y^4$	-2880		
$3x^4 - 80y^4$	-2880		
$3x^4 + 4x^3y - 18x^2y^2 - 84xy^3 - 117y^4$	-2880		
$3x^4 + 5x^3y - 12x^2y^2 + 48xy^3 - 64y^4$	-2880		
$4x^4 - 60x^2y^2 - 160xy^3 - 135y^4$	-2880		
$4x^4 - 60x^2y^2 + 160xy^3 - 135y^4$	-2880		
$4x^4 - 36x^2y^2 - 96xy^3 - 87y^4$	-2880		
$4x^4 - 36x^2y^2 + 96xy^3 - 87y^4$	-2880		
$5x^4 - 4x^3y - 6x^2y^2 - 28xy^3 - 43y^4$	-2880		
$5x^4 - 48y^4$	-2880		
$5x^4 + 4x^3y - 6x^2y^2 + 28xy^3 - 43y^4$	-2880		
$8x^4 - 12x^3y - 30x^2y^2 + 95xy^3 - 75y^4$	-2880		
$8x^4 + 12x^3y - 30x^2y^2 - 95xy^3 - 75y^4$	-2880		
$9x^4 - 6x^3y - 10xy^3 - 25y^4$	-2880		
$9x^4 + 6x^3y + 10xy^3 - 25y^4$	-2880		
$12x^4 - 16x^3y - 12x^2y^2 - 24xy^3 - 13y^4$	-2880		
$12x^4 + 16x^3y - 12x^2y^2 + 24xy^3 - 13y^4$	-2880		
$13x^4 - 24x^3y + 12x^2y^2 - 16xy^3 - 12y^4$	-2880		
$13x^4 + 24x^3y + 12x^2y^2 + 16xy^3 - 12y^4$	-2880		
$14x^4 - 25x^3y + 9x^2y^2 + 21xy^3 - 27y^4$	-2880		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$14x^4 + 25x^3y + 9x^2y^2 - 21xy^3 - 27y^4$	-2880	(1, 1) (1, -1)	(1, 1) (1, -1)
$15x^4 - 16y^4$	-2880		
$16x^4 - 15y^4$	-2880		
$17x^4 - 14x^3y + 14xy^3 - 17y^4$	-2880		
$17x^4 + 14x^3y - 14xy^3 - 17y^4$	-2880		
$19x^4 - 22x^3y + 22xy^3 - 19y^4$	-2880		
$19x^4 - 16x^3y - 12x^2y^2 + 32xy^3 - 20y^4$	-2880		
$19x^4 + 16x^3y - 12x^2y^2 - 32xy^3 - 20y^4$	-2880		
$19x^4 + 22x^3y - 22xy^3 - 19y^4$	-2880		
$20x^4 - 32x^3y + 12x^2y^2 + 16xy^3 - 19y^4$	-2880		
$20x^4 + 32x^3y + 12x^2y^2 - 16xy^3 - 19y^4$	-2880		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 120y^4$	-2883		
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 120y^4$	-2883		
$-16x^4 - 30x^3y + 9x^2y^2 + 63xy^3 + 45y^4$	-2889		
$-16x^4 + 30x^3y + 9x^2y^2 - 63xy^3 + 45y^4$	-2889		
$-5x^4 - x^3y + 24x^2y^2 + 65xy^3 + 61y^4$	-2889		
$-5x^4 + x^3y + 24x^2y^2 - 65xy^3 + 61y^4$	-2889		
$-4x^4 - x^3y + 30x^2y^2 - 79xy^3 + 74y^4$	-2889		
$-4x^4 + x^3y + 30x^2y^2 + 79xy^3 + 74y^4$	-2889		
$4x^4 - x^3y - 30x^2y^2 - 79xy^3 - 74y^4$	-2889		
$4x^4 + x^3y - 30x^2y^2 + 79xy^3 - 74y^4$	-2889		
$5x^4 - x^3y - 24x^2y^2 + 65xy^3 - 61y^4$	-2889		
$5x^4 + x^3y - 24x^2y^2 - 65xy^3 - 61y^4$	-2889		
$16x^4 - 30x^3y - 9x^2y^2 + 63xy^3 - 45y^4$	-2889		
$16x^4 + 30x^3y - 9x^2y^2 - 63xy^3 - 45y^4$	-2889		
$-16x^4 - 16x^3y - 6x^2y^2 - xy^3 + 15y^4$	-2892		
$-16x^4 + 16x^3y - 6x^2y^2 + xy^3 + 15y^4$	-2892		
$-15x^4 - 8x^3y - 8xy^3 + 15y^4$	-2892		
$-15x^4 - x^3y + 6x^2y^2 - 16xy^3 + 16y^4$	-2892		
$-15x^4 + x^3y + 6x^2y^2 + 16xy^3 + 16y^4$	-2892		
$-15x^4 + 8x^3y + 8xy^3 + 15y^4$	-2892		
$-x^4 - x^3y + 84x^2y^2 + 524xy^3 + 960y^4$	-2892		(1, 0)
$-x^4 + 241y^4$	-2892		(1, 0)
$-x^4 + x^3y + 84x^2y^2 - 524xy^3 + 960y^4$	-2892		(1, 0)
$x^4 - x^3y - 84x^2y^2 + 524xy^3 - 960y^4$	-2892	(1, 0)	
$x^4 - 241y^4$	-2892	(1, 0)	
$x^4 + x^3y - 84x^2y^2 - 524xy^3 - 960y^4$	-2892	(1, 0)	
$15x^4 - 8x^3y - 8xy^3 - 15y^4$	-2892		
$15x^4 - x^3y - 6x^2y^2 - 16xy^3 - 16y^4$	-2892		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$15x^4 + x^3y - 6x^2y^2 + 16xy^3 - 16y^4$	-2892		
$15x^4 + 8x^3y + 8xy^3 - 15y^4$	-2892		
$16x^4 - 16x^3y + 6x^2y^2 - xy^3 - 15y^4$	-2892		
$16x^4 + 16x^3y + 6x^2y^2 + xy^3 - 15y^4$	-2892		
$-13x^4 - 17x^3y - 17xy^3 + 13y^4$	-2895		
$-13x^4 + 17x^3y + 17xy^3 + 13y^4$	-2895		
$-x^4 - x^3y + 360x^2y^2 + 3935xy^3 + 12025y^4$	-2895	(8, -1)	(1, 0)
$-x^4 + x^3y + 360x^2y^2 - 3935xy^3 + 12025y^4$	-2895	(8, 1)	(1, 0)
$x^4 - x^3y - 360x^2y^2 + 3935xy^3 - 12025y^4$	-2895	(1, 0)	(8, 1)
$x^4 + x^3y - 360x^2y^2 - 3935xy^3 - 12025y^4$	-2895	(1, 0)	(8, -1)
$13x^4 - 17x^3y - 17xy^3 - 13y^4$	-2895		
$13x^4 + 17x^3y + 17xy^3 - 13y^4$	-2895		
$-15x^4 - 23x^3y - 6x^2y^2 + 20xy^3 + 24y^4$	-2904		
$-15x^4 + 23x^3y - 6x^2y^2 - 20xy^3 + 24y^4$	-2904		
$-6x^4 - x^3y + 60x^2y^2 + 136xy^3 + 96y^4$	-2904		
$-6x^4 + x^3y + 60x^2y^2 - 136xy^3 + 96y^4$	-2904		
$-2x^4 + 121y^4$	-2904		
$-x^4 + 242y^4$	-2904		(1, 0)
$x^4 - 242y^4$	-2904	(1, 0)	
$2x^4 - 121y^4$	-2904		
$6x^4 - x^3y - 60x^2y^2 + 136xy^3 - 96y^4$	-2904		
$6x^4 + x^3y - 60x^2y^2 - 136xy^3 - 96y^4$	-2904		
$15x^4 - 23x^3y + 6x^2y^2 + 20xy^3 - 24y^4$	-2904		
$15x^4 + 23x^3y + 6x^2y^2 - 20xy^3 - 24y^4$	-2904		
$-9x^4 - 3x^3y + 9x^2y^2 + 28xy^3 + 30y^4$	-2907		
$-9x^4 + 3x^3y + 9x^2y^2 - 28xy^3 + 30y^4$	-2907		
$-6x^4 + 12x^3y - 9x^2y^2 + 3xy^3 + 40y^4$	-2907		
$-5x^4 - 3x^3y + 72x^2y^2 + 201xy^3 + 165y^4$	-2907		
$-5x^4 + 3x^3y + 72x^2y^2 - 201xy^3 + 165y^4$	-2907		
$-4x^4 - 3x^3y + 90x^2y^2 - 231xy^3 + 186y^4$	-2907		
$-4x^4 + 3x^3y + 90x^2y^2 + 231xy^3 + 186y^4$	-2907		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 121y^4$	-2907		
$-x^4 - x^3y + 9x^2y^2 + 84xy^3 + 270y^4$	-2907		(1, 0)
$-x^4 + x^3y + 9x^2y^2 - 84xy^3 + 270y^4$	-2907		(1, 0)
$x^4 - x^3y - 9x^2y^2 + 84xy^3 - 270y^4$	-2907	(1, 0)	
$x^4 + x^3y - 9x^2y^2 - 84xy^3 - 270y^4$	-2907	(1, 0)	
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 121y^4$	-2907		
$4x^4 - 3x^3y - 90x^2y^2 - 231xy^3 - 186y^4$	-2907		
$4x^4 + 3x^3y - 90x^2y^2 + 231xy^3 - 186y^4$	-2907		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$5x^4 - 3x^3y - 72x^2y^2 + 201xy^3 - 165y^4$	-2907	(1, 0)	(1, 0)
$5x^4 + 3x^3y - 72x^2y^2 - 201xy^3 - 165y^4$	-2907		
$6x^4 + 12x^3y + 9x^2y^2 + 3xy^3 - 40y^4$	-2907		
$9x^4 - 3x^3y - 9x^2y^2 + 28xy^3 - 30y^4$	-2907		
$9x^4 + 3x^3y - 9x^2y^2 - 28xy^3 - 30y^4$	-2907		
$-13x^4 - 7x^3y + 30x^2y^2 + 56xy^3 + 32y^4$	-2916		
$-13x^4 + 7x^3y + 30x^2y^2 - 56xy^3 + 32y^4$	-2916		
$-7x^4 - 11x^3y - 6x^2y^2 - 8xy^3 + 32y^4$	-2916		
$-7x^4 + 11x^3y - 6x^2y^2 + 8xy^3 + 32y^4$	-2916		
$-2x^4 + 4x^3y + 78x^2y^2 - 404xy^3 + 577y^4$	-2916		
$-2x^4 + 4x^3y + 78x^2y^2 + 244xy^3 + 253y^4$	-2916		
$-x^4 + 243y^4$	-2916		
$x^4 - 243y^4$	-2916		
$2x^4 + 4x^3y - 78x^2y^2 - 404xy^3 - 577y^4$	-2916		
$2x^4 + 4x^3y - 78x^2y^2 + 244xy^3 - 253y^4$	-2916		
$7x^4 - 11x^3y + 6x^2y^2 - 8xy^3 - 32y^4$	-2916		
$7x^4 + 11x^3y + 6x^2y^2 + 8xy^3 - 32y^4$	-2916		
$13x^4 - 7x^3y - 30x^2y^2 + 56xy^3 - 32y^4$	-2916		
$13x^4 + 7x^3y - 30x^2y^2 - 56xy^3 - 32y^4$	-2916		
$-10x^4 - 8x^3y + 3x^2y^2 - 17xy^3 + 21y^4$	-2919		
$-10x^4 + 8x^3y + 3x^2y^2 + 17xy^3 + 21y^4$	-2919		
$10x^4 - 8x^3y - 3x^2y^2 - 17xy^3 - 21y^4$	-2919		
$10x^4 + 8x^3y - 3x^2y^2 + 17xy^3 - 21y^4$	-2919		
$-8x^4 - 5x^3y + 10xy^3 + 32y^4$	-2922		
$-8x^4 + 5x^3y - 10xy^3 + 32y^4$	-2922		
$8x^4 - 5x^3y + 10xy^3 - 32y^4$	-2922		
$8x^4 + 5x^3y - 10xy^3 - 32y^4$	-2922		
$-16x^4 - 7x^3y + 7xy^3 + 16y^4$	-2925		
$-16x^4 + 7x^3y - 7xy^3 + 16y^4$	-2925		
$-10x^4 - 9x^3y - 3x^2y^2 - 2xy^3 + 24y^4$	-2925		
$-10x^4 + 9x^3y - 3x^2y^2 + 2xy^3 + 24y^4$	-2925		
$-6x^4 - x^3y + 3x^2y^2 - 18xy^3 + 40y^4$	-2925		
$-6x^4 + x^3y + 3x^2y^2 + 18xy^3 + 40y^4$	-2925		
$-2x^4 - 3x^3y + 66x^2y^2 + 311xy^3 + 420y^4$	-2925		
$-2x^4 + 3x^3y + 66x^2y^2 - 311xy^3 + 420y^4$	-2925		
$2x^4 - 3x^3y - 66x^2y^2 + 311xy^3 - 420y^4$	-2925		
$2x^4 + 3x^3y - 66x^2y^2 - 311xy^3 - 420y^4$	-2925		
$6x^4 - x^3y - 3x^2y^2 - 18xy^3 - 40y^4$	-2925		
$6x^4 + x^3y - 3x^2y^2 + 18xy^3 - 40y^4$	-2925		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$10x^4 - 9x^3y + 3x^2y^2 - 2xy^3 - 24y^4$	-2925	(1, 0)	(1, 0)
$10x^4 + 9x^3y + 3x^2y^2 + 2xy^3 - 24y^4$	-2925		
$16x^4 - 7x^3y + 7xy^3 - 16y^4$	-2925		
$16x^4 + 7x^3y - 7xy^3 - 16y^4$	-2925		
$-4x^4 + 61y^4$	-2928		
$-3x^4 - 2x^3y + 12x^2y^2 + 58xy^3 + 95y^4$	-2928		
$-3x^4 + 2x^3y + 12x^2y^2 - 58xy^3 + 95y^4$	-2928		
$-x^4 + 244y^4$	-2928		
$x^4 - 244y^4$	-2928		
$3x^4 - 2x^3y - 12x^2y^2 + 58xy^3 - 95y^4$	-2928		
$3x^4 + 2x^3y - 12x^2y^2 - 58xy^3 - 95y^4$	-2928		
$4x^4 - 61y^4$	-2928		
$-2x^4 - x^3y + 180x^2y^2 + 1007xy^3 + 1598y^4$	-2931		
$-2x^4 + x^3y + 180x^2y^2 - 1007xy^3 + 1598y^4$	-2931		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 122y^4$	-2931		
$2x^4 - x^3y - 180x^2y^2 + 1007xy^3 - 1598y^4$	-2931		
$2x^4 + x^3y - 180x^2y^2 - 1007xy^3 - 1598y^4$	-2931		
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 122y^4$	-2931		
$-5x^4 - 3x^3y + 21x^2y^2 + 65xy^3 + 66y^4$	-2934		
$-5x^4 + 3x^3y + 21x^2y^2 - 65xy^3 + 66y^4$	-2934		
$-4x^4 - 3x^3y + 33x^2y^2 - 79xy^3 + 69y^4$	-2934		
$-4x^4 + 3x^3y + 33x^2y^2 + 79xy^3 + 69y^4$	-2934		
$4x^4 - 3x^3y - 33x^2y^2 - 79xy^3 - 69y^4$	-2934		
$4x^4 + 3x^3y - 33x^2y^2 + 79xy^3 - 69y^4$	-2934		
$5x^4 - 3x^3y - 21x^2y^2 + 65xy^3 - 66y^4$	-2934		
$5x^4 + 3x^3y - 21x^2y^2 - 65xy^3 - 66y^4$	-2934		
$-20x^4 - 38x^3y - 21x^2y^2 - 17xy^3 + 6y^4$	-2937		
$-20x^4 - 14x^3y + 3x^2y^2 - 13xy^3 + 10y^4$	-2937		
$-20x^4 + 14x^3y + 3x^2y^2 + 13xy^3 + 10y^4$	-2937		
$-20x^4 + 38x^3y - 21x^2y^2 + 17xy^3 + 6y^4$	-2937		
$-10x^4 - 13x^3y - 3x^2y^2 - 14xy^3 + 20y^4$	-2937		
$-10x^4 + 13x^3y - 3x^2y^2 + 14xy^3 + 20y^4$	-2937		
$-6x^4 - 7x^3y + 36x^2y^2 + 107xy^3 + 90y^4$	-2937		
$-6x^4 + 7x^3y + 36x^2y^2 - 107xy^3 + 90y^4$	-2937		
$-5x^4 - 7x^3y + 3x^2y^2 - 26xy^3 + 40y^4$	-2937		
$-5x^4 - x^3y + 6x^2y^2 + 29xy^3 + 51y^4$	-2937		
$-5x^4 + x^3y + 6x^2y^2 - 29xy^3 + 51y^4$	-2937		
$-5x^4 + 7x^3y + 3x^2y^2 + 26xy^3 + 40y^4$	-2937		
$5x^4 - 7x^3y - 3x^2y^2 - 26xy^3 - 40y^4$	-2937		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$5x^4 - x^3y - 6x^2y^2 + 29xy^3 - 51y^4$	-2937	(1, 0)	(1, 0)
$5x^4 + x^3y - 6x^2y^2 - 29xy^3 - 51y^4$	-2937		
$5x^4 + 7x^3y - 3x^2y^2 + 26xy^3 - 40y^4$	-2937		
$6x^4 - 7x^3y - 36x^2y^2 + 107xy^3 - 90y^4$	-2937		
$6x^4 + 7x^3y - 36x^2y^2 - 107xy^3 - 90y^4$	-2937		
$10x^4 - 13x^3y + 3x^2y^2 - 14xy^3 - 20y^4$	-2937		
$10x^4 + 13x^3y + 3x^2y^2 + 14xy^3 - 20y^4$	-2937		
$20x^4 - 38x^3y + 21x^2y^2 - 17xy^3 - 6y^4$	-2937		
$20x^4 - 14x^3y - 3x^2y^2 - 13xy^3 - 10y^4$	-2937		
$20x^4 + 14x^3y - 3x^2y^2 + 13xy^3 - 10y^4$	-2937		
$20x^4 + 38x^3y + 21x^2y^2 + 17xy^3 - 6y^4$	-2937		
$-20x^4 + 40x^3y - 30x^2y^2 + 10xy^3 + 11y^4$	-2940		
$-11x^4 - 10x^3y + 30x^2y^2 - 40xy^3 + 20y^4$	-2940		
$-11x^4 + 10x^3y + 30x^2y^2 + 40xy^3 + 20y^4$	-2940		
$-6x^4 - 5x^3y + 6x^2y^2 + 32xy^3 + 48y^4$	-2940		
$-6x^4 + 5x^3y + 6x^2y^2 - 32xy^3 + 48y^4$	-2940		
$-5x^4 + 49y^4$	-2940		
$-4x^4 + 8x^3y - 6x^2y^2 + 2xy^3 + 61y^4$	-2940		
$-3x^4 - 4x^3y - 20xy^3 + 75y^4$	-2940		
$-3x^4 - x^3y + 45x^2y^2 + 145xy^3 + 150y^4$	-2940		
$-3x^4 + x^3y + 45x^2y^2 - 145xy^3 + 150y^4$	-2940		
$-3x^4 + 4x^3y + 20xy^3 + 75y^4$	-2940		
$-x^4 + 245y^4$	-2940		
$x^4 - 245y^4$	-2940		
$3x^4 - 4x^3y - 20xy^3 - 75y^4$	-2940		
$3x^4 - x^3y - 45x^2y^2 + 145xy^3 - 150y^4$	-2940		
$3x^4 + x^3y - 45x^2y^2 - 145xy^3 - 150y^4$	-2940		
$3x^4 + 4x^3y + 20xy^3 - 75y^4$	-2940		
$4x^4 + 8x^3y + 6x^2y^2 + 2xy^3 - 61y^4$	-2940		
$5x^4 - 49y^4$	-2940		
$6x^4 - 5x^3y - 6x^2y^2 + 32xy^3 - 48y^4$	-2940		
$6x^4 + 5x^3y - 6x^2y^2 - 32xy^3 - 48y^4$	-2940		
$11x^4 - 10x^3y - 30x^2y^2 - 40xy^3 - 20y^4$	-2940		
$11x^4 + 10x^3y - 30x^2y^2 + 40xy^3 - 20y^4$	-2940		
$20x^4 + 40x^3y + 30x^2y^2 + 10xy^3 - 11y^4$	-2940		
$-19x^4 - 23x^3y - 6x^2y^2 + 13xy^3 + 17y^4$	-2943		
$-19x^4 + 23x^3y - 6x^2y^2 - 13xy^3 + 17y^4$	-2943		
$-17x^4 - 13x^3y + 6x^2y^2 + 23xy^3 + 19y^4$	-2943		
$-17x^4 + 13x^3y + 6x^2y^2 - 23xy^3 + 19y^4$	-2943		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-8x^4 - 11x^3y + 15x^2y^2 - 32xy^3 + 22y^4$	-2943		
$-8x^4 + 11x^3y + 15x^2y^2 + 32xy^3 + 22y^4$	-2943		
$-2x^4 + 75x^2y^2 - 295xy^3 + 357y^4$	-2943		
$-2x^4 + 75x^2y^2 + 295xy^3 + 357y^4$	-2943		
$-2x^4 + 243x^2y^2 - 1485xy^3 + 2583y^4$	-2943		
$-2x^4 + 243x^2y^2 + 1485xy^3 + 2583y^4$	-2943		
$2x^4 - 243x^2y^2 - 1485xy^3 - 2583y^4$	-2943		
$2x^4 - 243x^2y^2 + 1485xy^3 - 2583y^4$	-2943		
$2x^4 - 75x^2y^2 - 295xy^3 - 357y^4$	-2943		
$2x^4 - 75x^2y^2 + 295xy^3 - 357y^4$	-2943		
$8x^4 - 11x^3y - 15x^2y^2 - 32xy^3 - 22y^4$	-2943		
$8x^4 + 11x^3y - 15x^2y^2 + 32xy^3 - 22y^4$	-2943		
$17x^4 - 13x^3y - 6x^2y^2 + 23xy^3 - 19y^4$	-2943		
$17x^4 + 13x^3y - 6x^2y^2 - 23xy^3 - 19y^4$	-2943		
$19x^4 - 23x^3y + 6x^2y^2 + 13xy^3 - 17y^4$	-2943		
$19x^4 + 23x^3y + 6x^2y^2 - 13xy^3 - 17y^4$	-2943		
$-7x^4 - 10x^3y - 20xy^3 + 28y^4$	-2952		
$-7x^4 + 10x^3y + 20xy^3 + 28y^4$	-2952		
$-6x^4 + 41y^4$	-2952		
$-3x^4 + 82y^4$	-2952		
$-2x^4 + 123y^4$	-2952		
$-x^4 + 246y^4$	-2952		(1, 0)
$-x^4 + 2x^3y + 180x^2y^2 - 1556xy^3 + 3724y^4$	-2952		(1, 0)
$-x^4 + 2x^3y + 180x^2y^2 + 1194xy^3 + 2349y^4$	-2952		(1, 0)
$x^4 - 246y^4$	-2952	(1, 0)	
$x^4 + 2x^3y - 180x^2y^2 - 1556xy^3 - 3724y^4$	-2952	(1, 0)	
$x^4 + 2x^3y - 180x^2y^2 + 1194xy^3 - 2349y^4$	-2952	(1, 0)	
$2x^4 - 123y^4$	-2952		
$3x^4 - 82y^4$	-2952		
$6x^4 - 41y^4$	-2952		
$7x^4 - 10x^3y - 20xy^3 - 28y^4$	-2952		
$7x^4 + 10x^3y + 20xy^3 - 28y^4$	-2952		
$-10x^4 + 20x^3y - 15x^2y^2 + 5xy^3 + 24y^4$	-2955		
$-8x^4 - 5x^3y + 33x^2y^2 + 76xy^3 + 54y^4$	-2955		
$-8x^4 + 5x^3y + 33x^2y^2 - 76xy^3 + 54y^4$	-2955		
$-6x^4 - 5x^3y + 51x^2y^2 - 92xy^3 + 58y^4$	-2955		
$-6x^4 + 5x^3y + 51x^2y^2 + 92xy^3 + 58y^4$	-2955		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 123y^4$	-2955		
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 123y^4$	-2955		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$6x^4 - 5x^3y - 51x^2y^2 - 92xy^3 - 58y^4$	-2955		
$6x^4 + 5x^3y - 51x^2y^2 + 92xy^3 - 58y^4$	-2955		
$8x^4 - 5x^3y - 33x^2y^2 + 76xy^3 - 54y^4$	-2955		
$8x^4 + 5x^3y - 33x^2y^2 - 76xy^3 - 54y^4$	-2955		
$10x^4 + 20x^3y + 15x^2y^2 + 5xy^3 - 24y^4$	-2955		
$-20x^4 - 3x^3y + 3x^2y^2 - 10xy^3 + 12y^4$	-2961		
$-20x^4 + 3x^3y + 3x^2y^2 + 10xy^3 + 12y^4$	-2961		
$-17x^4 - 13x^3y + 13xy^3 + 17y^4$	-2961		
$-17x^4 + 13x^3y - 13xy^3 + 17y^4$	-2961		
$-12x^4 - 10x^3y - 3x^2y^2 - 3xy^3 + 20y^4$	-2961		
$-12x^4 + 10x^3y - 3x^2y^2 + 3xy^3 + 20y^4$	-2961		
$-8x^4 - 14x^3y + 45x^2y^2 - 57xy^3 + 27y^4$	-2961		
$-8x^4 + 14x^3y + 45x^2y^2 + 57xy^3 + 27y^4$	-2961		
$-7x^4 - 13x^3y + 36x^2y^2 - 51xy^3 + 27y^4$	-2961		
$-7x^4 + 13x^3y + 36x^2y^2 + 51xy^3 + 27y^4$	-2961		
$-3x^4 - 5x^3y - 3x^2y^2 - 6xy^3 + 80y^4$	-2961		
$-3x^4 + 5x^3y - 3x^2y^2 + 6xy^3 + 80y^4$	-2961		
$-2x^4 - x^3y + 54x^2y^2 + 217xy^3 + 272y^4$	-2961		
$-2x^4 + x^3y + 54x^2y^2 - 217xy^3 + 272y^4$	-2961		
$2x^4 - x^3y - 54x^2y^2 + 217xy^3 - 272y^4$	-2961		
$2x^4 + x^3y - 54x^2y^2 - 217xy^3 - 272y^4$	-2961		
$3x^4 - 5x^3y + 3x^2y^2 - 6xy^3 - 80y^4$	-2961		
$3x^4 + 5x^3y + 3x^2y^2 + 6xy^3 - 80y^4$	-2961		
$7x^4 - 13x^3y - 36x^2y^2 - 51xy^3 - 27y^4$	-2961		
$7x^4 + 13x^3y - 36x^2y^2 + 51xy^3 - 27y^4$	-2961		
$8x^4 - 14x^3y - 45x^2y^2 - 57xy^3 - 27y^4$	-2961		
$8x^4 + 14x^3y - 45x^2y^2 + 57xy^3 - 27y^4$	-2961		
$12x^4 - 10x^3y + 3x^2y^2 - 3xy^3 - 20y^4$	-2961		
$12x^4 + 10x^3y + 3x^2y^2 + 3xy^3 - 20y^4$	-2961		
$17x^4 - 13x^3y + 13xy^3 - 17y^4$	-2961		
$17x^4 + 13x^3y - 13xy^3 - 17y^4$	-2961		
$20x^4 - 3x^3y - 3x^2y^2 - 10xy^3 - 12y^4$	-2961		
$20x^4 + 3x^3y - 3x^2y^2 + 10xy^3 - 12y^4$	-2961		
$-19x^4 + 13y^4$	-2964		
$-13x^4 + 19y^4$	-2964		
$-4x^4 - 3x^3y + 12xy^3 + 64y^4$	-2964		
$-4x^4 + 3x^3y - 12xy^3 + 64y^4$	-2964		
$-x^4 + 247y^4$	-2964		
$x^4 - 247y^4$	-2964	(1, 0)	(1, 0)

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$4x^4 - 3x^3y + 12xy^3 - 64y^4$	-2964		
$4x^4 + 3x^3y - 12xy^3 - 64y^4$	-2964		
$13x^4 - 19y^4$	-2964		
$19x^4 - 13y^4$	-2964		
$-x^4 - x^3y + 18x^2y^2 - 109xy^3 + 247y^4$	-2967	(1, 0)	(1, 0)
$-x^4 + x^3y + 18x^2y^2 + 109xy^3 + 247y^4$	-2967		(1, 0)
$x^4 - x^3y - 18x^2y^2 - 109xy^3 - 247y^4$	-2967		
$x^4 + x^3y - 18x^2y^2 + 109xy^3 - 247y^4$	-2967		
$-9x^4 - x^3y + 12x^2y^2 - 30xy^3 + 28y^4$	-2970		
$-9x^4 + x^3y + 12x^2y^2 + 30xy^3 + 28y^4$	-2970		
$-7x^4 - 13x^3y - 9x^2y^2 - 5xy^3 + 34y^4$	-2970		
$-7x^4 + 13x^3y - 9x^2y^2 + 5xy^3 + 34y^4$	-2970		
$7x^4 - 13x^3y + 9x^2y^2 - 5xy^3 - 34y^4$	-2970		
$7x^4 + 13x^3y + 9x^2y^2 + 5xy^3 - 34y^4$	-2970		
$9x^4 - x^3y - 12x^2y^2 - 30xy^3 - 28y^4$	-2970	(1, 0)	(1, 0)
$9x^4 + x^3y - 12x^2y^2 + 30xy^3 - 28y^4$	-2970		
$-8x^4 - 12x^3y - 6x^2y^2 - 9xy^3 + 28y^4$	-2976		
$-8x^4 + 31y^4$	-2976		
$-8x^4 + 12x^3y - 6x^2y^2 + 9xy^3 + 28y^4$	-2976		
$-7x^4 - 12x^3y - 6x^2y^2 + 12xy^3 + 41y^4$	-2976		
$-7x^4 - 8x^3y + 12x^2y^2 - 32xy^3 + 28y^4$	-2976		
$-7x^4 + 8x^3y + 12x^2y^2 + 32xy^3 + 28y^4$	-2976		
$-7x^4 + 12x^3y - 6x^2y^2 - 12xy^3 + 41y^4$	-2976		
$-5x^4 - 6x^3y + 48x^2y^2 + 150xy^3 + 133y^4$	-2976		
$-5x^4 - 4x^3y + 36x^2y^2 + 104xy^3 + 92y^4$	-2976	(1, 0)	(1, 0)
$-5x^4 + 4x^3y + 36x^2y^2 - 104xy^3 + 92y^4$	-2976		
$-5x^4 + 6x^3y + 48x^2y^2 - 150xy^3 + 133y^4$	-2976		
$-3x^4 - 4x^3y + 60x^2y^2 - 152xy^3 + 132y^4$	-2976		
$-3x^4 + 4x^3y + 60x^2y^2 + 152xy^3 + 132y^4$	-2976		
$-x^4 + 248y^4$	-2976		
$x^4 - 248y^4$	-2976		
$3x^4 - 4x^3y - 60x^2y^2 - 152xy^3 - 132y^4$	-2976		
$3x^4 + 4x^3y - 60x^2y^2 + 152xy^3 - 132y^4$	-2976		
$5x^4 - 6x^3y - 48x^2y^2 + 150xy^3 - 133y^4$	-2976		
$5x^4 - 4x^3y - 36x^2y^2 + 104xy^3 - 92y^4$	-2976		
$5x^4 + 4x^3y - 36x^2y^2 - 104xy^3 - 92y^4$	-2976		
$5x^4 + 6x^3y - 48x^2y^2 - 150xy^3 - 133y^4$	-2976		
$7x^4 - 12x^3y + 6x^2y^2 + 12xy^3 - 41y^4$	-2976		
$7x^4 - 8x^3y - 12x^2y^2 - 32xy^3 - 28y^4$	-2976		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$7x^4 + 8x^3y - 12x^2y^2 + 32xy^3 - 28y^4$	-2976		
$7x^4 + 12x^3y + 6x^2y^2 - 12xy^3 - 41y^4$	-2976		
$8x^4 - 12x^3y + 6x^2y^2 - 9xy^3 - 28y^4$	-2976		
$8x^4 - 31y^4$	-2976		
$8x^4 + 12x^3y + 6x^2y^2 + 9xy^3 - 28y^4$	-2976		
$-21x^4 - 41x^3y - 30x^2y^2 - 9xy^3 + 11y^4$	-2979		
$-21x^4 + 41x^3y - 30x^2y^2 + 9xy^3 + 11y^4$	-2979		
$-11x^4 - 9x^3y + 30x^2y^2 - 41xy^3 + 21y^4$	-2979		
$-11x^4 + 9x^3y + 30x^2y^2 + 41xy^3 + 21y^4$	-2979		
$-10x^4 - 12x^3y + 33x^2y^2 - 43xy^3 + 21y^4$	-2979		
$-10x^4 + 12x^3y + 33x^2y^2 + 43xy^3 + 21y^4$	-2979		
$-6x^4 + 12x^3y - 9x^2y^2 + 3xy^3 + 41y^4$	-2979		
$-2x^4 + 4x^3y - 3x^2y^2 + xy^3 + 124y^4$	-2979		
$2x^4 + 4x^3y + 3x^2y^2 + xy^3 - 124y^4$	-2979		
$6x^4 + 12x^3y + 9x^2y^2 + 3xy^3 - 41y^4$	-2979		
$10x^4 - 12x^3y - 33x^2y^2 - 43xy^3 - 21y^4$	-2979		
$10x^4 + 12x^3y - 33x^2y^2 + 43xy^3 - 21y^4$	-2979		
$11x^4 - 9x^3y - 30x^2y^2 - 41xy^3 - 21y^4$	-2979		
$11x^4 + 9x^3y - 30x^2y^2 + 41xy^3 - 21y^4$	-2979		
$21x^4 - 41x^3y + 30x^2y^2 - 9xy^3 - 11y^4$	-2979		
$21x^4 + 41x^3y + 30x^2y^2 + 9xy^3 - 11y^4$	-2979		
$-9x^4 - 17x^3y - 12x^2y^2 - 2xy^3 + 28y^4$	-2982		
$-9x^4 + 17x^3y - 12x^2y^2 + 2xy^3 + 28y^4$	-2982		
$-7x^4 - x^3y + 12x^2y^2 - 34xy^3 + 36y^4$	-2982		
$-7x^4 + x^3y + 12x^2y^2 + 34xy^3 + 36y^4$	-2982		
$-2x^4 - x^3y + 93x^2y^2 - 365xy^3 + 439y^4$	-2982		
$-2x^4 + x^3y + 93x^2y^2 + 365xy^3 + 439y^4$	-2982		
$-x^4 - x^3y + 186x^2y^2 + 1522xy^3 + 3512y^4$	-2982		(1, 0)
$-x^4 + x^3y + 186x^2y^2 - 1522xy^3 + 3512y^4$	-2982		(1, 0)
$x^4 - x^3y - 186x^2y^2 + 1522xy^3 - 3512y^4$	-2982	(1, 0)	
$x^4 + x^3y - 186x^2y^2 - 1522xy^3 - 3512y^4$	-2982	(1, 0)	
$2x^4 - x^3y - 93x^2y^2 - 365xy^3 - 439y^4$	-2982		
$2x^4 + x^3y - 93x^2y^2 + 365xy^3 - 439y^4$	-2982		
$7x^4 - x^3y - 12x^2y^2 - 34xy^3 - 36y^4$	-2982		
$7x^4 + x^3y - 12x^2y^2 + 34xy^3 - 36y^4$	-2982		
$9x^4 - 17x^3y + 12x^2y^2 - 2xy^3 - 28y^4$	-2982		
$9x^4 + 17x^3y + 12x^2y^2 + 2xy^3 - 28y^4$	-2982		
$-16x^4 - 10x^3y + 9x^2y^2 - 19xy^3 + 13y^4$	-2985		
$-16x^4 + 10x^3y + 9x^2y^2 + 19xy^3 + 13y^4$	-2985		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-13x^4 - 19x^3y - 9x^2y^2 - 10xy^3 + 16y^4$	-2985	(1, 0)	(1, 0)
$-13x^4 + 19x^3y - 9x^2y^2 + 10xy^3 + 16y^4$	-2985		
$-4x^4 - 5x^3y + 9x^2y^2 - 38xy^3 + 52y^4$	-2985		
$-4x^4 + 5x^3y + 9x^2y^2 + 38xy^3 + 52y^4$	-2985		
$4x^4 - 5x^3y - 9x^2y^2 - 38xy^3 - 52y^4$	-2985		
$4x^4 + 5x^3y - 9x^2y^2 + 38xy^3 - 52y^4$	-2985		
$13x^4 - 19x^3y + 9x^2y^2 - 10xy^3 - 16y^4$	-2985		
$13x^4 + 19x^3y + 9x^2y^2 + 10xy^3 - 16y^4$	-2985		
$16x^4 - 10x^3y - 9x^2y^2 - 19xy^3 - 13y^4$	-2985		
$16x^4 + 10x^3y - 9x^2y^2 + 19xy^3 - 13y^4$	-2985		
$-7x^4 - 12x^3y + 6x^2y^2 - 28xy^3 + 24y^4$	-2988		
$-7x^4 + 12x^3y + 6x^2y^2 + 28xy^3 + 24y^4$	-2988		
$-5x^4 - 3x^3y + 18x^2y^2 - 48xy^3 + 48y^4$	-2988		
$-5x^4 + 3x^3y + 18x^2y^2 + 48xy^3 + 48y^4$	-2988		
$-3x^4 + 83y^4$	-2988		
$-x^4 + 249y^4$	-2988		
$x^4 - 249y^4$	-2988		
$3x^4 - 83y^4$	-2988		
$5x^4 - 3x^3y - 18x^2y^2 - 48xy^3 - 48y^4$	-2988		
$5x^4 + 3x^3y - 18x^2y^2 + 48xy^3 - 48y^4$	-2988		
$7x^4 - 12x^3y - 6x^2y^2 - 28xy^3 - 24y^4$	-2988		
$7x^4 + 12x^3y - 6x^2y^2 + 28xy^3 - 24y^4$	-2988		
$-3x^4 - 5x^3y + 117x^2y^2 + 544xy^3 + 690y^4$	-2991		
$-3x^4 + 5x^3y + 117x^2y^2 - 544xy^3 + 690y^4$	-2991		
$3x^4 - 5x^3y - 117x^2y^2 + 544xy^3 - 690y^4$	-2991		
$3x^4 + 5x^3y - 117x^2y^2 - 544xy^3 - 690y^4$	-2991		
$-16x^4 - 5x^3y + 5xy^3 + 16y^4$	-2997		
$-16x^4 + 5x^3y - 5xy^3 + 16y^4$	-2997		
$-4x^4 - 2x^3y + 45x^2y^2 - 109xy^3 + 91y^4$	-2997		
$-4x^4 + 2x^3y + 45x^2y^2 + 109xy^3 + 91y^4$	-2997		
$-x^4 - x^3y + 45x^2y^2 - 218xy^3 + 364y^4$	-2997		(1, 0)
$-x^4 + x^3y + 45x^2y^2 + 218xy^3 + 364y^4$	-2997		(1, 0)
$x^4 - x^3y - 45x^2y^2 - 218xy^3 - 364y^4$	-2997	(1, 0)	
$x^4 + x^3y - 45x^2y^2 + 218xy^3 - 364y^4$	-2997	(1, 0)	
$4x^4 - 2x^3y - 45x^2y^2 - 109xy^3 - 91y^4$	-2997		
$4x^4 + 2x^3y - 45x^2y^2 + 109xy^3 - 91y^4$	-2997		
$16x^4 - 5x^3y + 5xy^3 - 16y^4$	-2997		
$16x^4 + 5x^3y - 5xy^3 - 16y^4$	-2997		
$-13x^4 - 18x^3y - 18xy^3 + 13y^4$	-3000		

Form	I_F	$F(x, y) = 1$	$F(x, y) = -1$
$-13x^4 + 18x^3y + 18xy^3 + 13y^4$	-3000	(1, 0)	(1, 0)
$-9x^4 - 10x^3y + 24x^2y^2 + 68xy^3 + 52y^4$	-3000		
$-9x^4 + 10x^3y + 24x^2y^2 - 68xy^3 + 52y^4$	-3000		
$-2x^4 + 125y^4$	-3000		
$-x^4 + 250y^4$	-3000		
$x^4 - 250y^4$	-3000		
$2x^4 - 125y^4$	-3000		
$9x^4 - 10x^3y - 24x^2y^2 + 68xy^3 - 52y^4$	-3000		
$9x^4 + 10x^3y - 24x^2y^2 - 68xy^3 - 52y^4$	-3000		
$13x^4 - 18x^3y - 18xy^3 - 13y^4$	-3000		
$13x^4 + 18x^3y + 18xy^3 - 13y^4$	-3000		

9708 forms generated