

k	r_k	q_k	x_k	y_k	Formulae
0	123		1	0	
1	9		0	1	

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1	9		0	1	
2	6	13	1	-13	$123 = 9 \cdot 13 + 6$

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1	9		0	1	
2	6	13	1	-13	$123 = 9 \cdot 13 + 6$
3	3	1	-1	14	$9 = 6 \cdot 1 + 3$

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0	123		1	0	
1	9		0	1	
2	6	13	1	-13	$123 = 9 \cdot 13 + 6$
3	3	1	-1	14	$9 = 6 \cdot 1 + 3$
4	0	2	3	-41	$6 = 3 \cdot 2 + 0$