Real to complex FFT
6 modes
(ky,kx)

(-1,0)	(-1,1)	(-1,2)	(-1,3)
(-2,0)	(-2,1)	(-2,2)	(-2,3)
(3,0)	(3,1)	(3,2)	(3,3)
(2,0)	(2,1)	(2,2)	(2,3)
(1,0)	(1,1)	(1,2)	(1,3)
(0,0)	(0,1)	(0,2)	(0,3)

Complex to complex FFT
4 modes
(ky,kx)

(-1,0)	(-1,1)	(-1,2)	(-1,3)	(-1,-2)	(-1,-1)
(-2,0)	(-2,1)	(-2,2)	(-2,3)	(-2,-2)	(-2,-1)
(3,0)	(3,1)	(3,2)	(3,3)	(3,-2)	(3,-1)
(2,0)	(2,1)	(2,2)	(2,3)	(2,-2)	(2,-1)
(1,0)	(1,1)	(1,2)	(1,3)	(1,-2)	(1,-1)
(0,0)	(0,1)	(0,2)	(0,3)	(0,-2)	(0,-1)

A	G	M	S	~Q	~K
B	H	N	T	~P	~J
C	I	O	U	~O	~I
D	J	P	V	~N	~H
E	K	Q	W	~M	~G
F	L	R	X	~R	~L