		ℓ odd	ℓ even	
			ℓ' even	ℓ' odd
A_k	k odd ($r=1$ or 2) k even ($r=1$)	$r=2, z=\frac{\ell\pm1}{2}$ $z=\frac{\ell\pm1}{2}$	$r=1, z=1, \ell-1$ or $r=2, z=\ell'\pm1$ $z=1, \ell'\pm+1, \ell-1$	$r=1,\ z=1, \ell-1$ $z=1, \ell-1$
B_k				
C_k				
D_k				
E_k				
F_4				
G_2				