

* Count Number of pairs with absolute difference K

$[1, 2, 2, 1] \rightarrow$

$1 \rightarrow 2$	${}^2C_1 \times {}^2C_1$	(14)
$2 \rightarrow 2$	$2 \times 2 = 4$	

$[3, 2, 1, 5, 4] \rightarrow$

$1 \rightarrow 1$	${}^1C_1 \times {}^1C_1 = 1$
$2 \rightarrow 1$	${}^1C_1 \times {}^3C_1 = 1$
$3 \rightarrow 1$	${}^1C_1 \times {}^1C_1 = 1$
$4 \rightarrow 1$	${}^1C_1 \times {}^1C_1 = 1$
$5 \rightarrow 1$	${}^1C_1 \times {}^1C_1 = 1$

$[1, 1, 1, 2, 2, 3] \rightarrow$

$1 \rightarrow 3$	${}^3C_1 \times {}^2C_1 = 6$	(8)
$2 \rightarrow 2$	$2 \times 1 = 2$	
$3 \rightarrow 1$		

diff