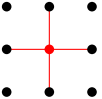
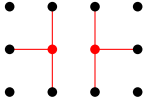


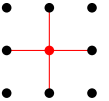
$E_1 = E_0 + 8J$

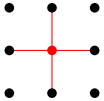
$\frac{1}{2}\Omega(E_1) = N$



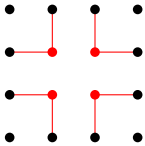
$E_2 = E_0 + 12J$

$\frac{1}{2}\Omega(E_2) = 2N$





and



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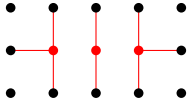

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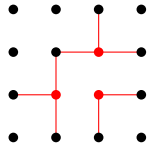

$E_3 = E_0 + 16J$

$\frac{1}{2}\Omega(E_3) = \frac{1}{2}N(N-5) + N + 2N + 4N = \frac{1}{2}N(N+9)$