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Figure 1: A diagram of a 2D hexagonal lattice with 24 sites. The lattice is composed of several colored regions: a large blue region (F) at the top, a green region (G) on the right, a red region (B) in the middle, a pink region (A) at the bottom, and a light green region (D) at the very bottom. The regions are labeled with their respective site counts: F=26, G=4, B=14, A=16, and D=6. The total number of sites is 24. The diagram also shows the connectivity between regions: F is connected to G, B, and A; G is connected to F and B; B is connected to F, G, and A; A is connected to B and D; and D is connected to A.

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