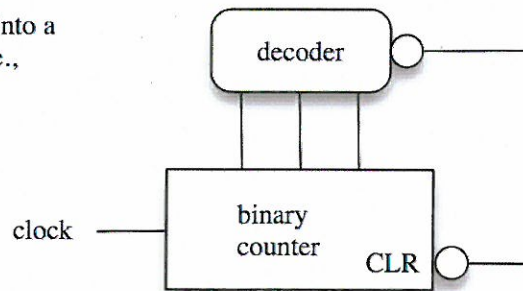
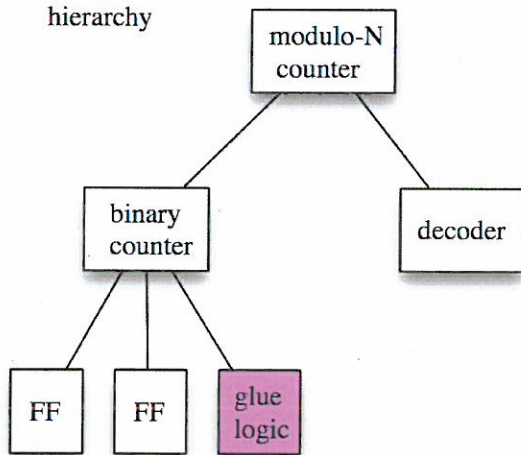


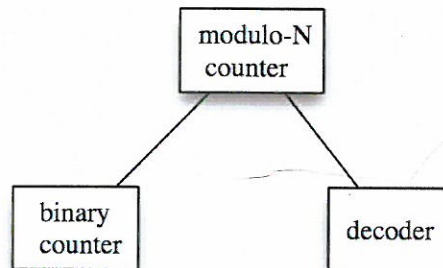
partitioning divides the counter into a binary counter and a decoder (i.e., smaller blocks of functionality)



design hierarchy



design flattening removes the hierarchy by merging modules (i.e., removing the hierarchy)



Design flattening makes it easier to optimize the circuitry. But the larger modules are less portable and reusable.