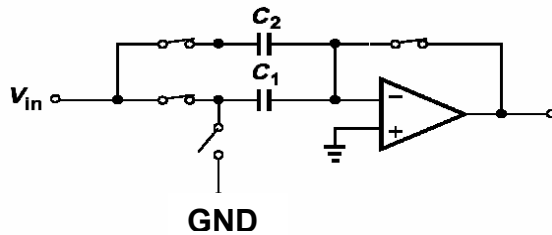
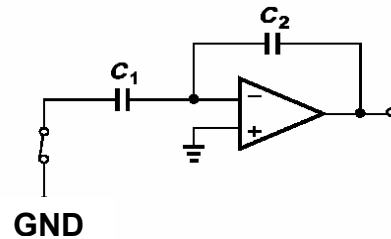
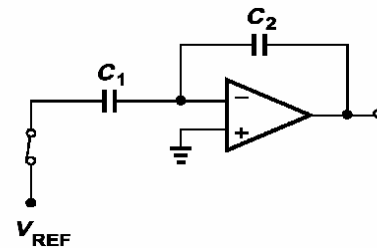
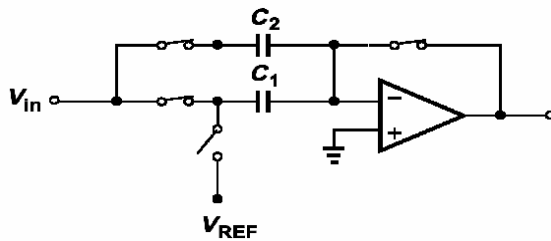


Multiply-by-2 Stage**First consider this:****Sample****Amplify****Charge of C_1 travels to C_2 thru the virtual ground node.****Now consider this:****How much is the output in this case?****Now add a comparator and a switch:**