Goldsten 9.17 Consider [A,B,C]+[B, [C,A]]+[C, [A,B]]=0? = A[B,c]-[B,c]A+B[C,A]-[C,A]B+C[A,B]-[A,B]C Organizing terms yields A[B,C]-[A,B]C+B[C,A]-[B,C]A+C[A,B]-[C,A]B =-ACB+BAC-BAC+CBA-CBA+ACB =0 The second condition of easier to show even [A,B]C+B[A,C] = ABC-BAC+BAC-BCA KE, SHE / OLG PHEG. = [A, Bc] Kristerse & R. Chedral EN 13 3 301

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