Roots of S0(2n)Consider so(2n,C). Its dimension is equal to n(2n-1). Consider generators M_{pq} (p < q). (One can consider $M_{ik} = x^i \partial_k - x^k \partial_i$, or $M_{ik} = E_{ik} - E_{ki}$) Commutation rules are: $[M_{ik}, M_{rs}] = M_{is}\delta_{kr}$