- 1. For what value of k will (k+9), (2k-1) and (2k+7) be consecutive terms of an A.P.?
- 2. The sums of the first n terms of three arithmetic progressions are S_0, S_2 and S_3 respectively. The first term of each A.P. is 1 and their common differences are 1, 2 and 3 respectively. Prove that $S_1 + S_3 = 2S_2$.