Кладковой Максим 5130904/30002 $4) \sum_{k=1}^{\infty} (2k-1)^2$ $\Delta f_{K} = (2k - 1)^{2}; f_{K} = BK + (k^{2} + D)K^{3}$ $\Delta(BK + CK^2 + DK^3) = B + C + D + K(2C + 3D) + 3DK^2$ $B+C+D+2Ck+3Dk+3/)k^2=9k^2-9k+1$ $\sum_{k=1}^{\infty} (2k-1)^2 = \left(\frac{11}{3}(n+1) - 4(n+1)^2 + \frac{4}{3}(n+1)^3 - \left(\frac{11}{3} - 4 + \frac{4}{3}\right) = \frac{11}{3}n + \frac{11}{3} - 4n^2 - 8n - 4 + \frac{4}{3}n^3 + 4n^2 + \frac{11}{3}n^3 + \frac{11}n^3 + \frac{11}{3}n^3 + \frac{11}{3}n^3 + \frac{11}{3}n^3 + \frac{11}{3}n^3 +$

 $+4n+\frac{4}{3}-1=\frac{4}{3}n^3-\frac{1}{3}n=\frac{4n^3-n}{3}=\frac{n(4n^2-1)}{3}$

 $\left(0 + bet : \frac{n(4n^2-1)}{3}\right)$