```
5+9+13+...
Enample (2):
    nth clum = a + ln-1) di 13ml. in (1) 1-3
              = 5+(n-1)(4)
= 5+4n-4 (2) 8
   Given surius is:

8 + a+13 + . . . . + (un+1) = n(2n+3.)
                a bog of a
O.P(i)
              RHS"
      UHS (2(17+3)) (2)
         CHS = RHS THE CHANGE
          : P(1) is True.
  @ assume that P(K) is there
    6+ a + 13 + · · · · (uk+1) = k(2k+3)
(3) Priore that p(K+1) is True
  CHS 6+9+13+ ..... + (4K+1) + (4K+1)+12
       E(17 K(1K+3) + (4K+ 4+1)
         = 2K2+3K+ UK+5
         = 2162+716+5
         = 2K2 +2K+5K+5.
       = 2 K(K+1) +5 (K+1)
       = (K+1) (2K+5)
       = (K+1) of 2 (K+1) +34
```