Monotonic Sequence: A sequence is said to be monotonic if it is either monotonical increasing decreasing · Monotonically increasing - If Shirt Sn In S1 < S2 < S3 < Sn < Sn+1 < --Fge Sn = {2,4,6,8,10.....} (unbounded) 25456585105 Sn55n+1 · Monotonically decreasing: 4 Spt Sn 4n SIAS, ASA SNASMI Eg: Sn = (10,8,6,4,2,....} (unbounded) Here, 10787674727 Sn > Sh+1 Limit of a Sequence: If It Sn=1, then Il-7 limit of sequence Ego (Sn) = n [To find limit of this sequence] Solo It $S_h = It \frac{\eta}{\eta + 1}$ 1 > limit of the sequence Son Take n common: = It 1 [We know, 1 = 0]



