2832 < A*SE+ASE $+A^*\sum_{j=n}^{n+1}(b_{j}-b_{j+1})$ < 2 Å & = + Å (bn-bn+p) < 3A*SE So let 5 be any real oft. 0 2 3 A S Saib; satisfies
Name S=1 the Cauchy critarion. Therefore it converges.