性矣 3.2.

B: (1) 由上下极限的第二种定对管理

同理有: liminf(-an) = - limsup an.

(2) 要证 liminf an + liminf h ≤ liminf (an + h) ≤ liminf an + liming by home by home and home and home and home by hom

Prize infart inf br \leq inf $(a_k + b_k) \leq$ infart sup br

(i) Bix
$$k \ge n$$
, inf $a_k \le a_k$
 $k \ge n$

inf $b_k \le b_k$

inf $a_k + i$

inf $b_k \le a_{k+1}$

inf $a_k + i$

inf $b_k \le i$

inf $a_k + i$

inf $b_k \le i$

inf $a_k + i$

月理可证: