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定理2 如果 \vdash_{PC} A \rightarrow (B \rightarrow C) 那么 \vdash_{PC} B \rightarrow (A \rightarrow C)
    证明:
                 A_1
                 A_2
   (m)
           A \rightarrow (B \rightarrow C) \ (= A_m)
(m+1)
           (A \rightarrow (B \rightarrow C)) \rightarrow ((A \rightarrow B) \rightarrow (A \rightarrow C)) 公理2
           (A \to B) \to (A \to C) (m)与(m+1)用分离规则导出
(m+2)
           ((A \rightarrow B) \rightarrow (A \rightarrow C)) \rightarrow (B \rightarrow ((A \rightarrow B) \rightarrow (A \rightarrow C))) 公理1
(m+3)
           B \to ((A \to B) \to (A \to C)) (m+2)与(m+3)用分离规则导出
(m+4)
(m+5)
           (B \rightarrow ((A \rightarrow B) \rightarrow (A \rightarrow C))) \rightarrow ((B \rightarrow (A \rightarrow B)) \rightarrow (B \rightarrow (A \rightarrow C)))
           (B \to (A \to B)) \to (B \to (A \to C)) (m+4) 与 (m+5) 用分离规则导出
(m+6)
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(m+7)

(m+8)

 $B \rightarrow (A \rightarrow B)$ 公理1

 $B \to (A \to C)$ (m+7)与(m+6)用分离规则导出