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Resperta: Aja (P, P) uma partição de Ax B, então para todo bloco (B, B) da partição (P, P), temos que:
                            0 \leq m_{\overline{B}}(f) \leq f(x), \ \forall x \in B \ e \ 0 \leq m_{\overline{b}}(g) \leq g(y), \ \forall y \in \overline{B}
0 \leq m_{\overline{b}}(f). \ m_{\overline{b}}(g) \leq f(x). \ g(y), \ \forall (x_{i}y_{i}) \in (B_{i}, \overline{B})
0 \leq m_{\overline{b}}(f). \ m_{\overline{b}}(g) \leq \inf_{(x_{i}y_{i}) \in (B_{i}, \overline{B})} (x_{i}y_{i}) \in (B_{i}, \overline{B})
                                                                          0 \leq m_{\overline{B}}(f) \cdot m_{\overline{B}}(g) \leq m_{(B_{1}\overline{B})}(\varphi)
                     Por outro law.
                         Portants: m_{(B|\bar{B})}(\varphi) = m_{\bar{g}}(f) \cdot m_{\bar{g}}(\bar{g}) - \sum_{(B,\bar{B})}(\varphi,(P,\bar{P})) = \sum_{(B,\bar{B})}(\varphi)(\varphi)(B,\bar{g}) = \sum_{(B,\bar{B})}(\varphi)(\varphi)(B)(\bar{g}) = \sum_{(B,\bar{B})}(\varphi)(\varphi)(\bar{g})(\bar{g}) = \sum_{(B,\bar{B})}(\varphi)(\varphi)(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})(\bar{g})
             \int \varphi(z) dz = \sup_{(P, \overline{P})} s(\varphi, (P, \overline{P})) = \sup_{(P, \overline{P})} s(f, P) \cdot s(g, \overline{P}) = \sup_{(P, \overline{P})} s(g, P) \cdot s(g, \overline{P}) = \sup_{(P, \overline{P})} s(g, P) \cdot s(g, P) = \sup_{(P, \overline{P})} s(g, P) \cdot s(g, P) = \sup_{(P, \overline{P})} s(g, P) = \sup_{(P, \overline{
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