and so

$$E = \bigcup_{i=1}^{n \cdot 2^{n}} f^{-1}\left(\left[\frac{i-1}{2^{n}}, \frac{i}{2^{n}}\right]\right) \cup f^{-1}\left(\left[n, +\infty\right]\right)$$

$$i = 1$$

5^{*}. Let $f \in BF(E)$, $g \in BMF(E)$, $m(E) < +\infty$. Show that

$$\int (f+g) = \int f + \int g$$

-E -E F