



5) JEL P Jack integriba and (D), it, p) 1 = p = 00 22: 4c>0: p (1xe S2: 18(x)1>c n gup3) = == 11 gllp = (5 13 18 dp) 1/2 < 00 Seic>o bel. $m \left(\left\{ x \in \Omega : |g(x)| > c \|g\|_p \right\} \right) = m \left(\left\{ x \in \Omega : \frac{1g(x)|}{c \|g\|_p} > 1 \right\} \right) = \int_{\Omega} M_{(x,\infty)} \left(\frac{1g(x)|}{c \|g\|_p} \right) d\mu(x)$ $\leq \left(\frac{18(x)1}{cugu_p} M_{(1,\infty)} \left(\frac{1f(x)1}{cugu_p}\right) d\mu(x) \leq \left(\frac{18(x)1}{cugu_p}\right) M_{(1,\infty)} \left(\frac{18(x)1}{cugu_p}\right) d\mu(x)$ $= \frac{1}{c^{p} \|y\|_{p}^{p}} \int_{\Omega} |y(x)|^{p} \|y(x)\|^{p} \int_{\Omega} |y(x)|^{p} \int$ MAS UT 6) (12, cb,yn). Ma Bramm 1 Ep 2 r kg 200 22: 2p 1 2g Elr Sei felp n Ly bel. > Sifil dy coo n Sifil dy coo = SII Eo, n) (y(x)1)) f(x)1 9 dn + SII E1,00) (|f(x)1)) f(x) | equ $= \int |J(x)|^q d\mu(x) + \int |J(x)|^q d\mu(x) < \infty$ $= \int (-1)^q d\mu(x) + \int (-1)^q d\mu(x) < \infty$ $= \int (-1)^q d\mu(x) + \int (-1)^q d\mu(x) < \infty$

