Weak 9 for a = (0,n), define the fractional integral operator Iap(x) = 1 Sa Jon 1x-4/1-9 dy ア(元) P(元) (4) show that in the son sense of distributions, one Ras (Iap)(\$) = 151-9 \$(5). Hint use previous calculation of Fourier hunson of 1x1-9, a ∈ (0,1) necessary condition for the inequality 400 | | Jaf | 1/2 < C | + 1/P is 中一十一 Books indeed for 1< P< 3, (x) is also sufficient for (x1) to bold. (3) define the frantional maximal function. Mafix) = Sup 1 1 By 1-4n JBy fix-8)/dy 0<9<1 then for Positke funcos f. whow Mafix) < (Infix).

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