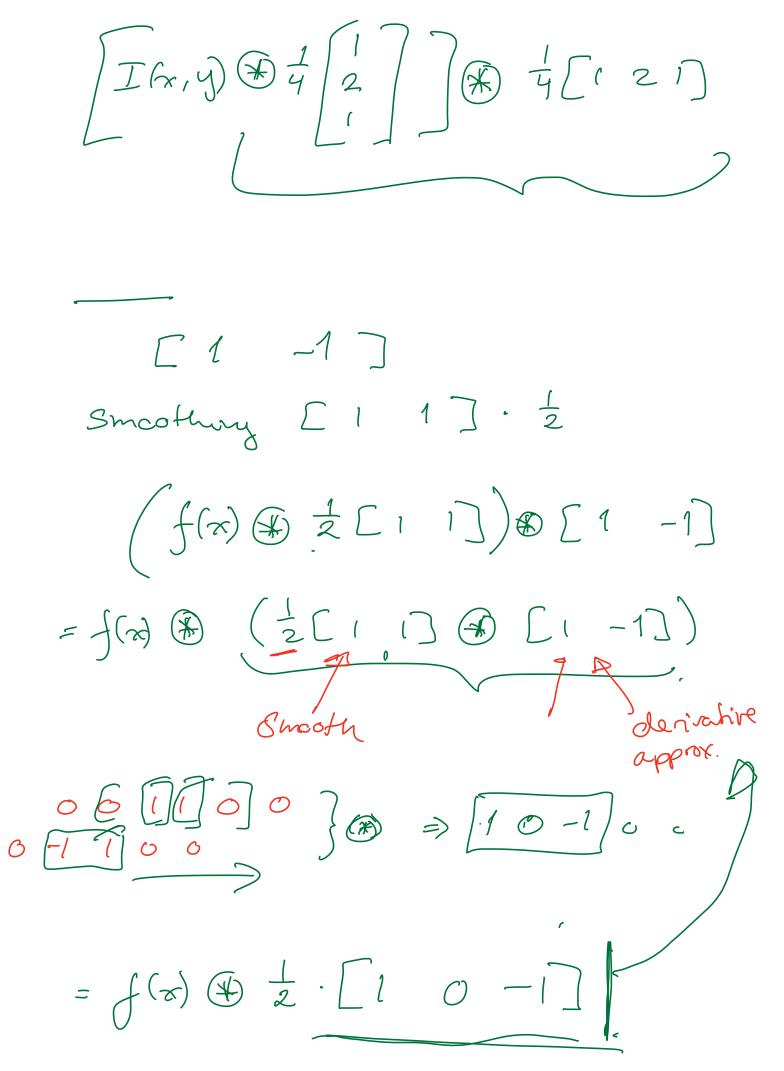
$f(k) = \frac{1}{f(x)} = \frac{1}{f(x)$  $d \cdot f_1(\pi)$   $d \cdot f_2(\pi) + \beta f_2(\pi)$   $d \cdot f_1(\pi) + \beta f_2(\pi)$   $d \cdot f_1(\pi) + \beta f_2(\pi)$   $d \cdot f_1(\pi) + \beta f_2(\pi)$  $A \cdot T[f_1(x)]$ linear? NO BT[fz[r]  $f'(x) = 1/2 [f(x)] = \frac{1}{4} f(x-1) + \frac{1}{2} f(x)$ f = f(x+1)línear? yes. f(x)+f(x)  $q = \frac{1}{4}[12]$ before or after should be the same test garsleif

Separable filter Jams is separable [ (2) ].  $= \begin{array}{c|c} -1 & 2 & 1 \\ 2 & 4 & 2 \\ 1 & 2 & 1 \end{array}$ 



 $\frac{d}{dx} \left[ f(x) \oplus g(x) \right] = f(x) \oplus \left[ \frac{c}{dx} \left( \frac{c}{dx} \right) \right]$ smoothi wy Hesp derivative is raise sersitive Premott: d gauss -> 1/2 [1 0-1]  $= \begin{bmatrix} 1 & 1 \end{bmatrix} \oplus \begin{bmatrix} 1 & -1 \end{bmatrix} \cdot \frac{1}{2}$ 20 kernel  $\frac{1}{3} \left( \begin{array}{c} 1 \\ 1 \\ 2 \end{array} \right) \left( \begin{array}{c} 1 \\ 2 \end{array} \right) \left( \begin{array}{c} 1 \\ 0 \end{array} \right) \left( \begin{array}{c} 1 \\ 1 \end{array} \right) \left( \begin{array}{c} 1 \end{array} \right) \left( \begin{array}{c} 1 \\ 1 \end{array} \right) \left( \begin{array}{c} 1 \end{array} \right) \left( \begin{array}{c} 1 \\ 1 \end{array} \right) \left( \begin{array}{c} 1 \end{array} \right) \left( \begin{array}{c} 1 \\ 1 \end{array} \right) \left( \begin{array}{c} 1 \end{array} \right) \left( \begin{array}{c} 1 \\ 1 \end{array} \right) \left( \begin{array}{c} 1 \end{array} \right) \left( \begin{array}$ 

10-1 Prewitt x

0 0 0 0 0 0

What if

(1) (-) denuchive in both direct.

(1) (-) smecher in bety directions

(larger sabel harnels.