

88 SOO SHETTS FLEEN SCULARE BILL OF SHETTS FLEEN SCULARE BILL OF SHETTS FLEEN SCULARE BILL OF SHETTS FLEEN SOUNTE BILL ON SHETTS FLEEN SOUNTE STORY SOUNTE STORY

National Brand

f(-2, \*) = 0 f(-1, \*) = 0 f((M-1)+1, \*) = 0 or f(5, \*) = 0 f((M-1)+2, \*) = 0 or f(6, \*) = 0 f(\*, -2) = 0 f(\*, -1) = 0 f(\*, (N-1)+1) = 0 or f(\*, 5) = 0f(\*, (N-1)+2) = 0 or f(\*, 5) = 0

First overlap when x=-1, y=-1

0,0,0,00

 $S(-1,-1) = \sum_{s=1}^{1} \sum_{t=1}^{1} w(s,t) F(-1+s,-1+t)$ 

= w(-1,-1) f(-2,-2) + w(-1,0) f(-2,-1) + w(-1,1) f(-2,0) + w(0,-1) f(-1,-2) + w(0,0) f(-1,-1) + w(0,1) f(-1,0) + w(1,-1) f(0,-2) + w(1,0) f(0,-1) + w(1,1) f(0,0) = 99all f's are zero have except f(0,0)

"shift we over by one pixel and repeat"

g(-1,0) = w(1,0) f(0,0) + w(1,1) f(0,1)(8) (11) + (1) (12)

continue shifting to right by one pixel

0 0

 $g(-1,5) = \omega(1,-1) f(-0,4)$ =105

3	
	Now shift we down one pixel and start from left
SECOND SE	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
MACHINE MACHIN	Continue until get to g(s,-1) through g(s,5).
Samuel Authorial "Strend	99 196 280 314 331 218 105 -1 9(4,4) = 210 408 592 631 670 424 105 318 66 86) 706 90 588 270
	93 35 /1
	Crop to same size as original:
	g(x, y) = 408 592 631 670 424