



### Load Instruction Pseudo-Code:

```
for i in range(0, y + y_pad_0 + y_pad_1):  
    for j in range(0, x + x_pad_0 + x_pad_1):  
        sram_loc = sram_base + i * (x_size + x_pad_0 + x_pad_1) + j  
        dram_loc = dram_base + (i - x_pad_0) * x_stride + (j - y_pad_0)  
        if (i < y_pad_0 || i >= y_size + y_pad_0 ||  
            j < x_pad_0 || j >= x_size + x_pad_0):  
            mem[sram_loc] = 0  
        else:  
            mem[sram_loc] = DRAM[dram_loc]
```