

arm_convolve_HWC_q7
_basic

arm_convolve_HWC_q7
_basic_nonsquare

arm_convolve_HWC_q7_RGB

arm_nn_mat_mult_kernel
_q7_q15

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graph LR; A[arm_convolve_HWC_q7_basic] --> D[arm_nn_mat_mult_kernel_q7_q15]; B[arm_convolve_HWC_q7_basic_nonsquare] --> D; C[arm_convolve_HWC_q7_RGB] --> D;
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The diagram illustrates a dependency where three different ARM NN convolution functions share a common matrix multiplication kernel. The functions on the left are 'arm_convolve_HWC_q7_basic', 'arm_convolve_HWC_q7_basic_nonsquare', and 'arm_convolve_HWC_q7_RGB'. Arrows from each of these functions point to a single gray-shaded box on the right labeled 'arm_nn_mat_mult_kernel_q7_q15', indicating that this kernel is utilized by all three convolution functions.