

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 (arm_convolve_HWC_q7_basic, arm_convolve_HWC_q7_basic_nonsquare, and arm_convolve_HWC_q7_RGB) all utilize a common matrix multiplication kernel (arm_nn_mat_mult_kernel_q7_q15). The kernel is represented by a shaded box, while the functions are in white boxes. Blue arrows indicate the flow from each function to the kernel.