Roofline Model for Dense-Dense and Dense-Sparse Kernels With Compile Time Matrix Values 10^{4} Performance (GFlops/second) Full 89.19% Dense 91.68% Chequered 89.119 Band 89.13% Random 94.56% Roofline Dense-Sparse Dense-Dense 10^{2} 10⁰ 10^{1} Operational Intensity (Flop/byte)