Roofline Model for Dense-Dense and Dense-Sparse Kernels With and Without Compile Time Values 10^{4} Performance (GFlops/second) Full(ctv) 89.19% Full 91.69% Chequered(ctv) 89 Chequered 91.5% Band(ctv) 89.13% Band 91.49% Roofline Random(ctv) 94.56% Random 94.73% Dense-Sparse Dense-Dense Dense-Sparse Dense-Dense 10^{2} 10^{0} 10^{1} Operational Intensity (Flop/byte)