HW 10. Yuanteny Chen 3. Vision Transformer ca> DVIsion transformer -> Encoder-style transformer. Dlanguage Transformer, -) Decoder-style transformer. Becawe we want to produce an image representation using an enoder transformer and generate tokens from image representation using an de oder transformer (b): (i) Each column creates a guery while each row creates a key and a value. c/1). < SOS > mountain range < PAD >CENC(> CENC2) <ENC3>

CC): What is the Big-D runtime complexity of the attension operation after the modification? C Assume each window consists of K by K patches) Solution: 1 patches in total, but each patch only attends k2 patches. So. D C-H2 - K2, D) Corigin complexity: (1/2. Pr. D)