Self-Affention W Joseph welships Alca, seal and alor prochet entention Ocompate context victors as welshood sums over Mat victor Specific to a certain impledement D'Entradue weight metarices that an applicated during model training 3 Coursel that model can bearn to produce "sout" context veeters & Was waged in grey, bet, whe bruse 3 metrices are used to present embedded mont obligers x (1) into givery, key and value vectors Populs We o weil = 32 > Guerrech &2

Populs We constantions) = 7 SAMI C//

Populs We woods (6) Populs We - ) We (==)

Bach run correspones to input telean

Keys!

Line Mi Enpost we set using her status!

Cok of Montal assin! indo no need to It orders [==] bod motost assis;

has been hanstames

methodes.

5) complet only one onlest veder 202) for metrolompinguses Competers extension scores; " Sames" "Step" leg w rane vas quas (ca) (ca) [18] Was Two Attention score 1 US W27 30, DEST Pet predlet between Since we want to complete contest vertes Queries the vector for second input delicen, see is

kepst deshed from that and signat delicen guest and loss 3 Attention weights; CSeale by Id-lays) communication sole attention soms by Jd-keps before softmans Adm-Score -78 cale by Saling -> Softmy -> Attention wastes 4) Contest veeler Lest step is metiply in tach Control rector metiply whe value vester w/185 [0,3 |0,8) convert respective catention vector in aftention veder height and then wester, which is zon summing them to then sent to Obtain the contest Cocel contest tester

Step of Downes Denriched veter contents sementic many of sames and senge other word of sames and senge other words adjusted to James and senge ones seems of sames and senge of senses seems of sames and senge of senses seems of sames and senge of senses seems of senses senses and senge of senses seems of senses senses and senge of senses senses senses and senses Attention wealth's volves The corresponds to a contest reder for that taken & Why do we are terms, key, guest, rathe Quest; Analogous to search good in adulestics; It regresents the current telen the madel faccours an leg! In catherten mechanism, cerch frem In Appet seglence has a leg! lets are used to motel in shegeted colle! It represents the outed contest or representation of the April Hens, once model determines wholes bets awas parts of the mpt are nost relevent to the quest corrent flows them), it referens the corresponding values,