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78747622 neural sequence trans
Tucodesti (st.,, st.) mapping
decoder: (ti, Zn) output
-> Trunsformer's fle +3= 0/9

tion works encoder-decoder 72.

(7:00- 24)

(2:00- 24)

(2:00- 24)

(4:00- 24)

(y,, -- ym)

output

) Townsformer's flet 72% olg by using stacked—cell affection + pointurise fully anneated layers.) < 0.1224, 212472

1) concoder & Druder Stacks

encoder: bruer layers stacked.

Leach has 2 sub layers.

1 Postan wase fully ameded.

1 How the 32 Hold 324 Ho

restduct Connection & dayer normalization.
(layerNorm (at Sublayer(21))

智智生命十

मुहा केर्प्ट क्षेत्रा प्राच के केर्

White about 322 le 24/132/ output onu=5/2 ; residual connection Bolton/6180

decoder: Great layers - multi-bread self attention & revised; of 34011 27 3401 (optimized for 32) masking.

That 3 sub layers -

到可受到 cult will head attenton. 7/ 21614 Layer Norm (N-) Reklayer (M)

- @ व्यापाट प्रजापिक वि + GMEN H34克 野羽出了
- @ 8性 643 乾 >concatenate +>+32) to
- ② FFN \$4171M 212 327 421/50
- @ Sattmax MELOUN It #33 ME ~ 对始给 新班的

2) Affentin

Q=(K,V) ⇒ output mapping

output: Values +55

이(a) 가장기; Q-K간는 (A) 독자도 흑장이는 는영영 (공취 2 전쟁 compatibility function

· Scaled Dot product Attention

Q, K < dim=dK

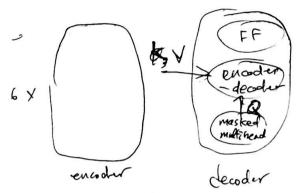
V & dim=dr

Attention (Q, K, V) = Softmax (QE) V>

>452M 502

Multi-head Attention (bax h= & (parallel)

Multi-hand (QK, V)= Concat (head, , head,) WO where head; = Affection (OW, FW, VW;) dk, du = dundel = 64



· Fully Connected des = 2048 (inner layer) FFN(a) = max(0, xW, +6,)W2 +b2

Relu

Rel

dk 北祖 additional affection Mood dot 24 菱(dk AHIZYX) 55 1011年至

y hackprop almod 公告多之 w 公告结 Tuput 2/12/12/ いななまとみりかけ

igradient danstry

⇒ 1 3 MIZUMA 6472!

· postronol encodes < GAIGN GENZ 3, den=512

20,000-

. of HERION of dropout : residual dropout - Elung Relations - 3012 - 3012

- · 艺成礼: 时刊 对答 我对人的正 多一部以外 安叶午里 空文
- ・関ラフ1: 沙切 とれて ちいないるりつれる。

Result

(k, V) druzt h or variation flex model Variance 723.

- · dx V -> etiloto : dot producty to the Europe Testus?
- , 10到 主4年 45 个
- · dropont < xxxx 45xm Ext2
- . Strusoidal postforal Enoug a lewned postfound Encody: base modelet of \$101 X

Conclusion

- · recurrented 21/161 affection egle Trasformer.
- · Sota model det termy (125. 418. APTOZOM)
- · Apri: 2/12 Mel persystamet Transformer 628.

Further Tasks large ruput (01012/442) FRINTIE local, restricted # Hocksmille 242.