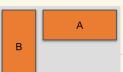
Methods:



1 LORA SW= BXA

BERMAT AE IRYXA

(2) SVD+LORA SW= UEV

UE IRMXM

ZERIXI VERIXA

Sparre Fine Tuning:

1 fourier SW = F CFT

(4) Hodamord SW = HCHT

5 Frame SW = Fr C Fy

6 Random SW = R C RT

(F) = Inv. Fourier Trayform

(A) = In Hadamard Tronsform

(A) = In frome Transform

(R) = Radon valur

* Computation:

(*) We will be computing

Y = SWX

X & R nxd (no. of token X hidden dim)

- 1) Direct form : SWX
- Pmi E R CI E RIDE P. E RAKE

E Pm; C; Pn; X

3



ESPmicho Caro Principx

Pm, (i,j) ERmol (ci,j, ER

Models:

- 1 Lloma 2 7B
- m=2047, n= 2048
- D Genna -2-2B
- m= 2048 n= 2048
- M = 2304
 - n=1024

3 Gemma - 2 - 9B

@ Clana - 3.1-813

- m= 3584 1= 4096
- m= 3584 n= 2048
- m=4096 n= 4096
- m = 4096 n= 1024

Deep Seck !

Number of Tokens:

-> n = 1, 256, 1024, 2049, 4096, 8192

Spane blocks1-

- 1) Siza 86 C 1=2, 4, 16, 64, 256
- 2 Sparnity of L → 75 h, 50 h, 25 h, 0 %

Precision!

- (1) FP32
- @ PP16
- (3) AP 8.

Threadi

-> number of threads - 8, 16, 32, 256, 1024 etc.

