

1. æ??ç« i¼?Texti¼?
â??ã??ã??ã?¼ã?~ã?³å??
2. é?¢æ?£ç??ã??ã?¼ã?~ã?³å??ï¼?ã??Aã?•ã??ã?~ã?•ã??Bã?•ã??ã?ã?•...i¼?
â??ã??å?æ?•?
3. å?|ç?•å??é?~è|~ç?¾i¼?Hidden state 0i¼?
â??
4. Hidden State1 + Hidden State2 + Hidden State 3ã??i¼?è~?èª?å??ã?•ã?ªã?
?æ½?å?~ç??ã?ªæ?•è??ã??ä, |ã?¹ã??i¼?
â??
5. æ??çµ?å?°å??

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äºé??ä•®é ä•®ä,ä•sâ•?æ??ä•«æ?³èµ.ä•?ä??ä??æ?•è??ä•®å ?ä•?4ä•®é?¨å??ä??ä•?ä•?ä•sæ?•è??ä•
«¹ ä•?å°ä??ä•?ä•ä•«ä•ä??ä•¼ä•?ä??

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äºé??ã®æ?è??é?ç'?ã'ã®å⁻_¾¿?é?¢¿ã-ã?ã??ãªæ??ã·ã«ãª??ã•§ã·ã??ã·ã??

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LLMå? é?ˆã•®â^{-3/4}â¿?è|ç'

è^a - æ??

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•[Ⓡ]æ?ç??ã•?é ã• hidden state

«â??ã• ç¾¼ï¼?æ½?â?ã??ã?ã??ã?«ï¼?

 $\frac{1}{4}\tilde{a}??\tilde{a}??\tilde{a}??\hat{a}?$

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©å??è£?ã??ã??ã

latent reasoning loop

$\tilde{a} \cdot \tilde{a} \cdot \tilde{a} \cdot \tilde{a}$

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latent $\hat{a}$?? token decoding

•?a? ?a?•e ?e? ?a•
 $\varepsilon \approx -3/4 \approx -0.75$

 $\frac{3}{4}a \cdot a \cdot a$

â?£ä»?è? ã•ă

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?ã?ã•@è:ö•3/ã• natural language generation

$\frac{1}{2}a + \frac{1}{4}a + \frac{1}{8}a + \frac{1}{16}a + \dots$
 $\frac{1}{2}a + \frac{1}{4}a + \frac{1}{8}a + \frac{1}{16}a + \dots$

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ã?»æ§?é? ã•®æ·å•ç?¶æ ?ã??

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•?ã?•å? ç??ã•«æ?¢ç' ¢ã??è|?ã•?ã??

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å?å??ã•?ã??ã??ã??

ǎ^{-3/4}è©±ã?»æ??æ?, ã?»èª¬æ??ã¨ã•?ã|ã•

⑧æ??çμ?å?°å??ã??

Coconutã•ã?ã•?ã•®ã??â?ã•â?jã?•ã•®é?å??â??â??

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[illegible][illegible]

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?ã??ã•?ã??ã•?ã??ã•¾ã•?ã??ã??

[illegible]

ç§•ã•ã?é?³è•å??ã?ã•ã?æ??èj?ã?ã•ã?ã?ã•®ã•ã?ã?ã•ã?é?•æ?ã•jã•§ã•ã•ã•ã•|ã?ã
¥ã??æ?¿ã?ã•é?ã??ã??ã?•æ•ã•«ã?ã?æ?,ç¶?æ?§ã•ã•è??ã?ã•|ã?ã•¼ã?ã??ã•ã??ã??ã¼çµ±ã
•ã?¼ã??ã•ã??ã??ã?ã•¼ã?ã??æ§?é?ã??æ®?ã?ã•ã?æ?ªæ•¥ã•ã•ã•®ã,ã•§è?ªå??ç?ã?
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â®®åµ§å·¥ã·ä°ç¼ã??å»°ç-?ã?ã??é??ã«ç?`ã·ã??æ??è;?ã-ã?è·ã·£ã·?æ?±ã·ã·ã??ä°µæ·?ã·
§å·ã?·ã??æ§?é? ä??ä½?ã??æ??è;?ã·§ã·?ã??ã·ã??ã·`ã·?ã·?ç?°æ?³ã·§ã·?ã??

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 ä?•ä??ä?•?ZIKUUæµ•ä?šä?•ä??

Category

1. æ?¥ã? ã•®æ'»å??

Tags

1. AI
2. Coconut
3. KAGURA
4. LLM
5. ä,?é??å??å,?

6. å±±æ¢“ç??

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