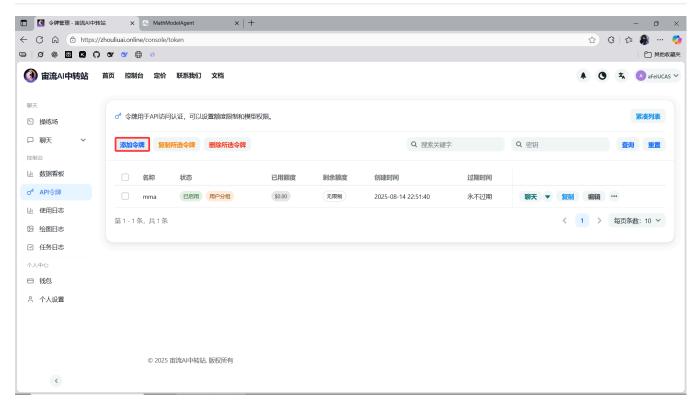
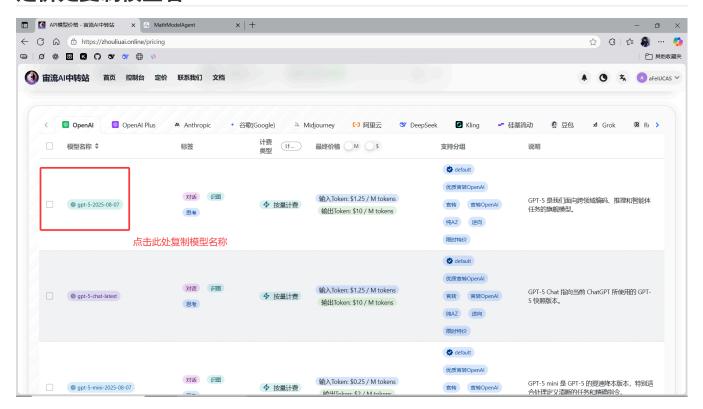
## 可行的中转方案-1

所用网站: https://zhouliuai.online/

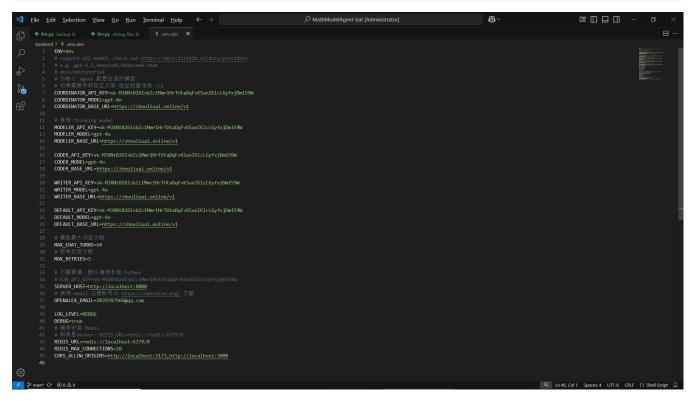
## API令牌添加令牌



## 定价处复制模型名



## 填写模型配置文件如<u>可行的中转方案-1-1-.env.dev</u>



由此,运行后尝试多次出错如下(更详细的报错见error-logs.txt)

```
Exception in ASGI application
1
   FRROR:
   Traceback (most recent call last):
3
     File "E:\repo2\MathModelAgent-bat\backend\.venv\Lib\site-
   packages\uvicorn\protocols\http\httptools_impl.py", line 409, in run_asgi
4
       result = await app( # type: ignore[func-returns-value]
5
              6
7
8
     File "D:\Python3.12.9\Lib\re\__init__.py", line 186, in sub
9
       return _compile(pattern, flags).sub(repl, string, count)
10
             11
12
   TypeError: expected string or bytes-like object, got 'NoneType'
13
   agent_name WriterAgent
```

经gpt5调研并查看源码发现是该问题**不是数据偶发**,而是**协议层的常见情况**: 当模型决定"用工具而不是回答文本"时,content=None 是完全正常的。而当前实现默认「一定有文本」,所以每次遇到工具调用分支都会崩。日志也显示了这条路径: CoderAgent 第一次 EDA 子任务就触发了多次 execute\_code 的 tool call,随之 msg.content: None 被发布到 Redis,接着split\_footnotes(None) 直接类型错误。

修改 11m.py 与 common\_utils.py 文件后 <u>对话ID及输出</u>记录在此。MathModelAgent 终端运行正常直至因额度用尽报错如下:

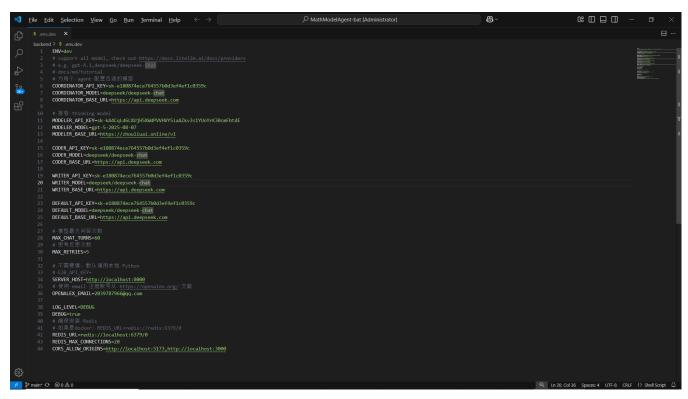
```
Give Feedback / Get Help: https://github.com/BerriAI/litellm/issues/new
LiteLLM.Info: If you need to debug this error, use `litellm._turn_on_debug()'.

On Async Failure
ERROR: Exception in ASGI application
Traceback (most recent call last):
```

```
File "E:\repo2\MathModelAgent-bat\backend\.venv\Lib\site-
    packages\litellm\llms\openai\openai.py", line 790, in acompletion
8
       headers, response = await self.make_openai_chat_completion_request(
                          9
      File "E:\repo2\MathModelAgent-bat\backend\.venv\Lib\site-
10
    packages\litellm\litellm_core_utils\logging_utils.py", line 135, in async_wrapper
        result = await func(*args, **kwargs)
11
12
                13
14
15
     File "E:\repo2\MathModelAgent-bat\backend\.venv\Lib\site-
    packages\litellm\litellm_core_utils\exception_mapping_utils.py", line 2232, in exception_type
18
      File "E:\repo2\MathModelAgent-bat\backend\.venv\Lib\site-
    packages\litellm\litellm_core_utils\exception_mapping_utils.py", line 467, in exception_type
19
       raise APIError(
   litellm.exceptions.APIError: litellm.APIError: APIError: OpenAIException - user quota is not
    enough (request id: 2025081423362456649733330V93TUg)
```

修改后的文件备份如下: <u>修改后的common utils.py文件</u>、<u>修改后的llm.py文件</u> 修改前的文件备份如下: <u>修改前的common utils.py文件</u>、<u>修改前的llm.py文件</u>

可能是我全部填写agent为gpt-4o的缘故总报上述第一个代码块的错误,经子木同学上传配置填写除thinking填写chatgpt5模型,其余模型填写deepseek模型后无报错。相关配置文件如<u>可行的中转方案-1-2-.env.dev</u>



该文件作中转探索的记录。仅供参考,切勿当作标准。