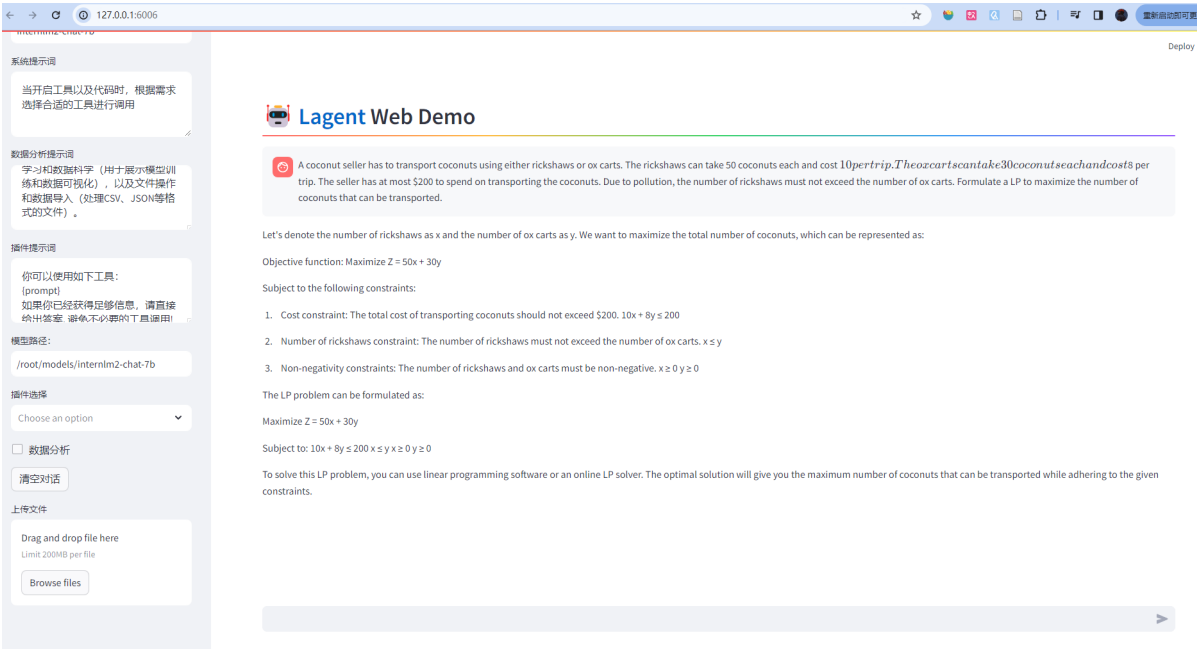





# 使用 Lagent 运行 InternLM2-Chat-7B 模型为内核的智能体

和上面一样使用streamlit部署本地端口转发，问一个简单的线性规划问题



 try to solve this problem

To solve this linear programming problem, we can use the graphical method by plotting the constraints and finding the feasible region. Then, we will find the vertices of the feasible region and evaluate the objective function at each vertex to determine the maximum value.

- Plot the constraints on a graph:
  - $10x + 8y \leq 200$  (cost constraint)
  - $x \leq y$  (number of rickshaws constraint)
  - $x \geq 0$  (non-negativity constraint for rickshaws)
  - $y \geq 0$  (non-negativity constraint for ox carts)
- Find the feasible region: The feasible region is the area where all constraints are satisfied. In this case, it is a quadrilateral with vertices at  $(0, 0)$ ,  $(0, 25)$ ,  $(10, 20)$ , and  $(20, 0)$ .
- Evaluate the objective function at each vertex:
  - $Z(0, 0) = 50(0) + 30(0) = 0$
  - $Z(0, 25) = 50(0) + 30(25) = 750$
  - $Z(10, 20) = 50(10) + 30(20) = 600 + 600 = 1200$
  - $Z(20, 0) = 50(20) + 30(0) = 1000$
- Determine the maximum value: The maximum value of the objective function is 1200, which occurs at the vertex  $(10, 20)$ .

Therefore, the maximum number of coconuts that can be transported is 1200. This can be achieved by using 10 rickshaws and 20 ox carts.

有一个地方有个小错误，总体思路不错

# 下载 InternLM2-Chat-7B 的 config.json 文件到本地

```
>>> import os
>>> from huggingface_hub import hf_hub_download # Load model directly
>>> hf_hub_download(repo_id="internlm/internlm2-7b", filename="config.json")
config.json: 100%|██████████████████████████████████████████████████████████████████████████████| 817/817 [00:00<?, ?B/s]
C:\Users\Venido\miniconda3\envs\LLMs\lib\site-packages\huggingface_hub\file_download.py:147: UserWarning: `huggingface_hub` cache-system uses symlinks by default to efficiently store duplicated files but your machine does not support them in C:\Users\Venido\.cache\huggingface\hub. Caching files will still work but in a degraded version that might require more space on your disk. This warning can be disabled by setting the `HF_HUB_DISABLE_SYMLINKS_WARNING` environment variable. For more details, see https://huggingface.co/docs/huggingface_hub/how-to-cache#limitations.
To support symlinks on Windows, you either need to activate Developer Mode or to run Python as an administrator. In order to see activate developer mode, see this article: https://docs.microsoft.com/en-us/windows/apps/get-started/enable-your-device-for-development
warnings.warn(message)
'C:\\Users\\Venido\\.cache\\huggingface\\hub\\models--internlm--internlm2-7b\\snapshot s\\ea4312ff4a5175723a17fbbbd74fa27514dd87b5\\config.json'
>>>
```