

Step 1

Prompt

What is the  
profession of  
Hsiao Yun-  
Hwa's father?

MLP

Forget  
Target



Step 2

Forget Data



Match

Original  
Answer

The father of  
Hsiao Yun-Hwa is  
a civil engineer.

Forbidden  
Token

["civil", "engineer"]

Step 3



Token with penalty



Regular token



Prune/Keep beam



Beam  
Search

The

father

of

Hsiao

Yun-Hwa

is

...

un

emp

loyed

<eos>



civil

Token  
Matching



CIVIL

Semantic  
Matching



GUARD

