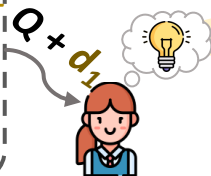**Q**: where is italian spoken around the world?

Ground_truth: Italy

Knowledge Refinement through Ranking CoTs

d_1-> ...There are 4 countries that speak Italian: Italy, Switzerland, San Marino, Vatican City...the U.S., and Somalia. Italy...
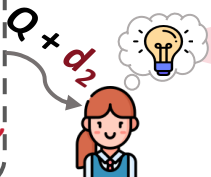
$Q + d_1$

CoT₁ >> we can conclude that Italian is spoken in: Europe, Italy, Switzerland, Slovenia...Italian is spoken around the world in various countries, regions, and international settings.

Self-Reflection

CoT'₁ >> Italian is spoken around the world in various countries, regions, and international settings, **including Europe,...** ❌
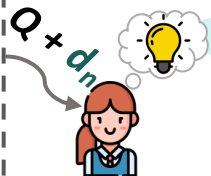
CoT'ₙ >> **Italian is spoken around the world**, specifically by approximately 85 million people. ❌
Rejected

d_2-> ...It is the main language of Italy, and is also spoken in the Canton Ticino region of Switzerland, Croatia, as well as ...

$Q + d_2$

CoT₂ >> Italian is spoken in the following places around the world: 1. Italy. 2. Switzerland...So, the answer is: Italy, Switzerland, Croatia, and by emigrants worldwide.

CoT'₂ >> Italian is spoken in: Italy,...**So, the answer is: Italy,...** ✓

CoT'₂ >> Italian is spoken in: Italy, Switzerland...**So, the answer is: Italy,...** ✓
Chosen

d_n-> What Languages are Spoken in Italy? - World-Atlas... This language is spoken by around 85 million people throughout the world ...

$Q + d_n$

CoTₙ >> Italian is spoken by around 85 million people throughout the world..., Italian is spoken around the world, specifically by approximately 85 million people.

CoT'ₙ >> **Italian is spoken around the world**, specifically by approximately 85 million people. ❌

Q ⊕ $d_{1\sim n}$ **DPO**

Inference with the Knowledge Refinement Model

According to the passages, **the 14th season of Grey's Anatomy premiered on September 28, 2017.** *It was broadcast on Thursday nights at 8 PM on ABC...*

September 28, 2017 ✓

After Training

Docs

Question: When does the 14th season of grey's anatomy come out?