

[ $Q_3$ ] Did Columbus obtain his funding from the rulers of the Portugese Empire?

[Ground-Truth  $a_3^*$ ] no

[Explanation] King Ferdinand and Queen Isabella funded Columbus' voyage to the New World. King Ferdinand of Argon and Queen Isabella of Castille were the joint rulers of kingdoms of the Iberian Peninsula, which included modern-day Spain but excludes Portugal. King John II of Portugal rejected Columbus' request for funding.

[Predicted  $a_{31}$ ] no

[ $R_{31}$ ] in Chain-of-Thought

$C$	$P$	$\mathcal{E}$	Columbus obtained his funding from the rulers of the Spanish Empire.
$C$	$P$	$\mathcal{E}$	Thus, Columbus didn't obtain his funding ... Portugese Empire.
$C$	$P$	$\mathcal{E}$	So the answer is no.

[Predicted  $a_{32}$ ] no

[ $R_{32}$ ] in Chain-of-Thought

$C$	$P$	$\mathcal{E}$	Columbus was Italian and the Portugese Empire was Portugese.
$C$	$P$	$\mathcal{E}$	Thus, Columbus didn't obtain funding ... Portugese Empire.
$C$	$P$	$\mathcal{E}$	So the answer is no.

[ $Q_4$ ] Is Freya a combination of Athena and Aphrodite?

[Ground-Truth  $a_4^*$ ] yes

[Explanation] Athena was the Greek goddess of war. Aphrodite was the Greek goddess of love. Freya was the Norse goddess of war, love, and fertility.

[Predicted  $a_{41}$ ] no

[ $R_{41}$ ] in Chain-of-Thought

$C$	$P$	$\mathcal{E}$	Freya is a Norse goddess.
$C$	$P$	$\mathcal{E}$	Athena and Aphrodite are Greek goddesses.
$C$	$P$	$\mathcal{E}$	Thus, Freya is not a combination of Athena and Aphrodite.
$C$	$P$	$\mathcal{E}$	So the answer is no.

[Predicted  $a_{42}$ ] no

[ $R_{42}$ ] in Chain-of-Thought

$C$	$P$	$\mathcal{E}$	Freya is the goddess of love, beauty and fertility.
$C$	$P$	$\mathcal{E}$	You can compare these to the Greek gods Athena and Aphrodite.
$C$	$P$	$\mathcal{E}$	It is not clear how their powers exactly compare.
$C$	$P$	$\mathcal{E}$	However, it seems that Freya must have attributes that match both.
$C$	$P$	$\mathcal{E}$	So the answer is yes.