

[Q₃] Did **Columbus** obtain his **funding** from the rulers of the **Portuguese** Empire?

[Ground-Truth *a₃**] no

[Explanation] King Ferdinand and Queen Isabella **funded Columbus'** voyage. They were the joint rulers of the **Iberian Peninsula**, which included **Spain** but **excludes Portugal**. King John II of **Portugal** **rejected Columbus'** request for **funding**.

[Predicted *a₃₂*] no ✓

[*R₃₂*] in Chain-of-Thought

Columbus was Italian and the Portuguese Empire was Portuguese.

<i>ε</i>	<i>C</i>	correct
<i>S</i>	<i>S₁</i>	The above step of reasoning is factually correct, as Columbus was indeed Italian and the Portuguese Empire was Portuguese . However, this step alone doesn't provide the complete answer to the question, which requires further reasoning.
	<i>S₂</i>	Although the statement is correct in stating that Columbus was Italian and the Portuguese Empire was Portuguese , it doesn't directly address the question about the source of his funding. (The score is 0.6 because it provides some context but doesn't give a clear answer to the question.)
	<i>S₃</i>	The statement accurately identifies the nationalities of Columbus and the Portuguese Empire. However, it does not directly address the funding question, which is why there is still some uncertainty.

Thus, Columbus didn't obtain funding ... Portuguese Empire.

<i>ε</i>	<i>C</i>	Columbus was Italian , but obtained funding from the rulers of the Spanish Empire
<i>S</i>	<i>S₁</i>	The above step of reasoning is incorrect because it assumes that Columbus couldn't have received funding from the Portuguese Empire solely based on his Italian origin. However, the correct reasoning is that Columbus received funding from the Spanish monarchs, King Ferdinand II of Aragon and Queen Isabella I of Castile, rather than from the Portuguese Empire.
	<i>S₂</i>	The conclusion is incorrect because it is not based on the fact that Columbus was Italian and the Portuguese Empire was Portuguese . It is true that Columbus was Italian and the Portuguese Empire was Portuguese , but the conclusion should be based on the fact that Columbus obtained his funding from the rulers of Spain , not Portugal . The probability is 0.2 because the statement provides some context but leads to an incorrect conclusion.
	<i>S₃</i>	Although the statement accurately identifies the nationalities of Columbus and the Portuguese Empire, it does not directly address the funding question. In fact, Columbus sought funding from the rulers of Spain , not Portugal , but the provided reasoning does not make this clear.

So the answer is no.

<i>ε</i>	<i>C</i>	Columbus was Italian , but obtained funding from the rulers of the Spanish Empire, not Portuguese
<i>S</i>	<i>S₁</i>	The above step of reasoning is incorrect because it assumes that Columbus couldn't have received funding from the Portuguese Empire solely based on his Italian origin. However, the correct reasoning is that Columbus received funding from the Spanish monarchs, King Ferdinand II of Aragon and Queen Isabella I of Castile, rather than from the Portuguese Empire.
	<i>S₂</i>	While the conclusion that Columbus did not obtain funding from the rulers of the Portuguese Empire is correct, the reasoning provided is not strong enough to support it. Columbus' nationality and the nationality of the Portuguese Empire are not relevant factors. The correct reasoning is that Columbus obtained funding from the rulers of Spain , not Portugal . The probability is 0.3 because the conclusion is accurate, but the reasoning leading to it is weak.
	<i>S₃</i>	Although the statement accurately identifies the nationalities of Columbus and the Portuguese Empire, it does not directly address the funding question. In fact, Columbus sought funding from the rulers of Spain , not Portugal , but the provided reasoning does not make this clear.