

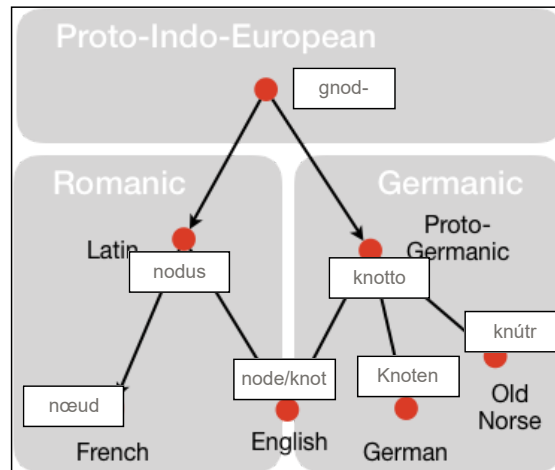
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### Question 13

Incomplete answer

Marked out of 0.01

Here's an illustration of the evolution of an etymological *doublet* for a word meaning "swelling" or "protuberance", often at an intersection.



Your answer is not complete; please drag an item to each drop region.

### Question 14

Not yet answered

Marked out of 1.00

Select the properties that the graph from the previous question has

- ☒ a. A directed acyclic graph
- ☒ b. Directed
- ☐ c. Undirected
- ☒ d. Reachable from a single vertex
- ☒ e. Finite
- ☐ f. Strongly connected
- ☒ g. Unweighted
- ☐ h. A tree



**Question 15**

Not yet answered

Marked out of 1.00

How many vertices does the graph have?

Answer: **Question 16**

Not yet answered

Marked out of 1.00

How many edges?

Answer: **Question 17**

Not yet answered

Marked out of 1.00

From how many vertices can all other vertices be reached by a directed path?

Answer: **Question 18**

Not yet answered

Marked out of 1.00

How many vertices have out-degree 0? (Sometimes called sinks or even leaves.)

Answer: 

## Question 19

Not yet answered

Marked out of 1.00

Let  $u$  be the latin vertex and  $v$  the Proto-Germanic vertex.

Write  $\deg_-(w)$  for the in-degree and  $\deg_+(w)$  for the out-degree of vertex  $w$ .

What is  $\deg_+(u) \cdot \deg_+(v) - \deg_-(u)$

Answer:

