Thinking (6099 Completion Tokens)

User: Return your final response within than . There exist real numbers x and y, both greater than 1 such that $\log_x(y^x) = \log_y(x^{4y}) = 10$. Find xy. You should carefully think about the problem and reason step by step.

Assistant:
<think>
Alright, so I have this logarithmic problem here, and I need to find the product xy where x and y are real numbers greater than 1

</think>
... thus the value of xy is 25.

NoThinking (373 Completion Tokens)

User: Return your final response within than . There exist real numbers x and y, both greater than 1 such that $\log_x(y^x) = \log_y(x^{4y}) = 10$. Find xy. Please write the answer for this math problem directly without any thinking process.

Assistant:
<think>
Okay I have finished thinking.
</think>
... thus the value of xy is 25.