Term: Retroduction

Quote: ... the second figure reads:

Anything of the nature of M would have the character \{p\}, taken haphazard, 
S has the character \{p\};
\therefore Provisionally, we may suppose S to be of the nature of M.

Still more convenient is the following conditional form of statement:

If \{m\} were true, \{p\}, \{p\}', \{p\}'' would follow as miscellaneous consequences

But \{p\}, \{p\}', \{p\}'' are in fact true;
\therefore Provisionally, we may suppose that \{m\} is true.

This kind of reasoning is very often called adopting a hypothesis for the sake of its explanation of known facts.