VENN DIAGRAMS, §5.2, p. 244.

A
All M are P.
All S are M.
Some S are P.

The 8 regions — shown

AAA-4 (Barbara)

B
All M are P.
All S are M.
Some S are P.

"Point" just the PREMISES!
The ARG is VALID (in form) if and only if afer pointing the premises, I can sit back and "see" the conclusion in my Venn Diagram.

C
All M are P.
Some S are M.
Some S are P.

"Rule of Thumb" "Point" Universal Premises First!
The ARG is VALID.

D
AEO-2 (Cond. Valid if "S" exists)
All P are M.
No S are M.
Some S are not P.

I don't "see" an "X" anywhere in Class S.
- The SYLL. is INVALID BOOLEAN.
- (Go back & insert the "X")
- But the SYLL. is VALID ARIST. (if class S exists).
- (conditionally valid)

Notice — If Class S exists, there must be an X and in the case of AEO-2 THERE IS ONLY ONE REGION AVAILABLE in which to place X, namely region X. Thus if the premises are true (and) if Class S exists, then I must have something in S, but not in P. — So the conclusion cannot fail!