I can write here!

an argument is a list of statems

Pi premises

Pin S conclusion

H>B A>> (S an angunent is valid If all' assignments of roles to variables which made all the previses the mal the conclision due (an a grunent Mrs preme, are inconsistant is refid!)

 $A \rightarrow B$ modes ponens If A Ren B implicato P₂ A > B B In line 1, premes as hoth des the conch m (and he his ke only his hive)

affrming
-the consequent ABI A>B This is in-alle becce of the 3

A

7A

3

One can also say
an arguent is valid iff
there is no assignment of variets
which makes all the premies he
and he conclusion false.

mods panens m.p. A > B A Topore A7B

ASSune A

HYB

AAB de did m 37-114

Prove ((A >B) 1 (B > C)) > (A => C) Assume (A >B) MB >C) Soal: ATIC BABSIMP 1
BBGC SIMP 60 m.p. 4,5 A7C deduction 2-6 the Kearm death on 1-7 (A7B 1B7C) 7(A7C)

heorm $(A \rightarrow (B \rightarrow C))(A \wedge B) \rightarrow C$ Rad | Assne A > (B7c) Gal. (AND) TIC AND

God! C

3 A simp 2

9 B simp 2

9 B ray 2

0 B ray 2

0 mp 4,5 (AAB) > C ded 2-6 fixited port

Part 2 Asse (AND) > (God. A>(B>c)