

Q's / 1.1 #15 grizzly: "Grizzly bears have been seen"

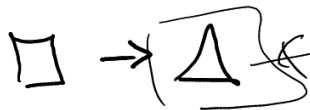
safe: "Hiking is safe"

berries: "Berries are ripe"

15a) Berries are ripe, but do see grizzly bears.

$$\boxed{(berries) \wedge (\neg grizzly)}$$

15e) For safe hiking it is rec. that you don't see grizzly bears.



$$(safe) \rightarrow (\neg grizzly)$$

For safe hiking it is not suff. that you don't see grizzly bears

$$\neg ((\neg grizzly) \rightarrow safe)$$

red 15e

For safe hiking, it is rec but not suff that (no ripe berries and no seen grizzly bears).

$$[(safe) \rightarrow (\neg berries \wedge \neg grizzly)] \wedge \neg [(\neg berries \wedge \neg grizzly) \rightarrow (safe)]$$

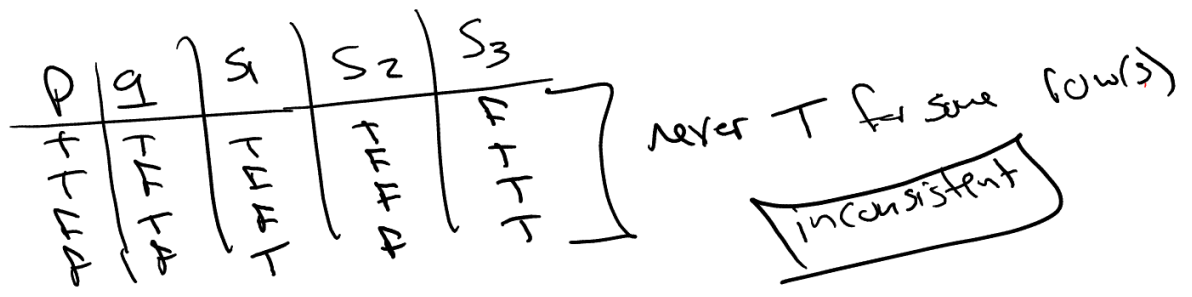
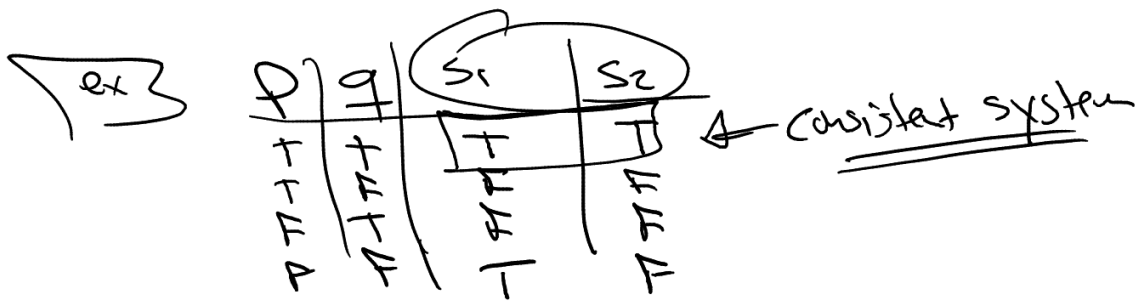
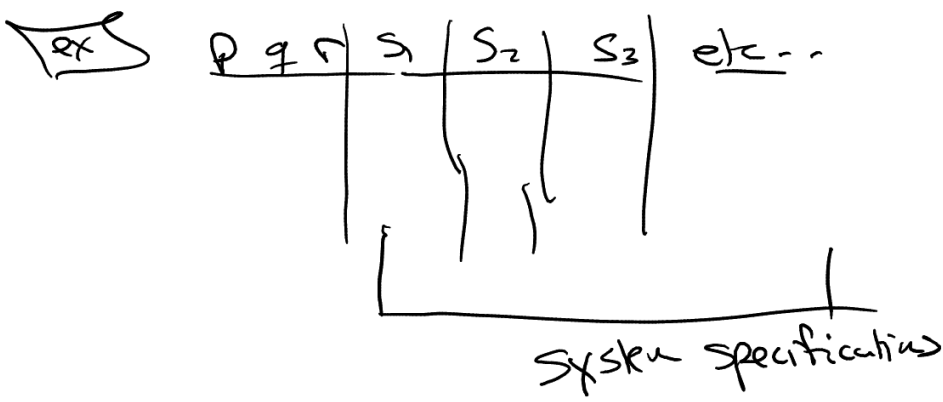
For home → make truth table and discuss

1.2 Applications

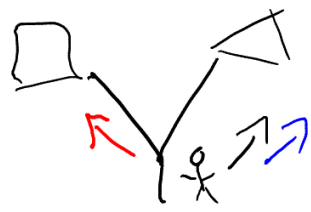
① Eng \rightarrow Sys (T) truth table and discuss

② given mult. compound prop. (specifications)

+ System specifications are just a list of compound prop.



Logic Puzzles



Answer:

P. 24 H 31