

Practice translation

Translate the following into the sentential calculus.

Preserve as much structure as you can.

Write down your translation scheme.

1. If Plato is hungry, then Mencius is not shopping only if Socrates looks tired.
2. Although Mencius is shopping, Socrates looks tired.
3. Whenever Confucius and Plato are hungry, Socrates looks tired.
4. Whether or not Mencius is shopping, neither Plato nor Confucius is hungry.
5. If Mencius is shopping, Plato is hungry but otherwise Confucius is hungry.
6. If Confucius is hungry, then Confucius is hungry just in case Plato is hungry, whereas if Confucius is not hungry Plato is also not hungry.
7. If Socrates looks tired, then unless Plato or Confucius is hungry, Mencius is not shopping.
8. I don't like shopping but neither does she.
9. If someone is here then someone is not here.
10. Jones will run for president if and only if he either quits his job or he is fired.
11. If Sara came then if Herman came then Russell did not come.
12. Either Owen fixed the robot or Luke did, but not both.
13. I didn't do it and I didn't not do it either.
14. Luke and Owen both know how to speak English but R2 doesn't.
15. Only if a cheap seat is available will I travel.