

1 Exercise

1. (a) What is the extension of *alarm clock*?
The set of all alarm clocks in the actual world
- (b) What is the extension of *Cairo*? (like, Cairo, Egypt.)
The city of Cairo in the actual world
- (c) What is the intension of *fishknife*?
The set of all fishknives in all possible worlds
- (d) What is the truth set (intension) for *Jones has a new game console*?
The set of all possible worlds in which *Jones has a new game console* is true
- (e) What is the extension of *Jones has a new game console*?
(The truth value) true if Jones has a new game console in the actual world, (the truth value) false if Jones does not have a new game console in the actual world
2. (a) What is the intension of *Ludwig Beethoven*?
The individual Ludwig Beethoven in all possible worlds (where he exists)
- (b) What is the extension of *phoenix*?
The empty set (\emptyset)
- (c) What is the intension of *phoenix*?
The set of all phoenixes in all possible worlds