

## Exercises

Determine the validity of the following arguments by first translating them into symbols and then constructing truth tables.

- \* Mary has brown hair and James has black hair. Therefore, Mary has brown hair.
- \* It is not the case that humans have ten toes and humans do not have either blond hair or brown hair. Humans have blond hair. Therefore, It is not the case that humans have ten toes and have brown hair.
- \* Mars is uninhabited by human life or is made of solidified soda. Mars is uninhabited by human life. Therefore, mars is not made of soda.