Worksheet 8

Answers

Exercise 8.1 *Unification*

1. $mgu = \{X \mapsto tweety, Y \mapsto yellow\}$
2. *fail: X cannot be bound to two different constants (tweety and yellow) simultaneously*
3. $mgu = \{Y \mapsto postman\_pat, X \mapsto blue\}$
4. $mgu = \{Y \mapsto f(X), Z \mapsto b\}$
5. $mgu = \{X \mapsto f(b), Y \mapsto b\}$
6. $mgu = \{X \mapsto f(f(a)), Y \mapsto f(a), V \mapsto f(a)\}$
7. $mgu = \{X \mapsto Y\}$