

NOTE: All functions should be lowercase. Sometime happened when copying them here.

1. Evaluate the following expressions:

1. (CAR '(P H W))
2. (CDR '(B K P H))
3. (CAR '((A B) (C D)))
4. (CDR '((A B) (C D)))
5. (CAR (CDR '((A B) (C D))))
6. (CDR (CAR '((A B) (C D))))
7. (CDR (CAR (CDR '((A B) (C D)))))
8. (CAR (CDR (CAR '((A B) (C D)))))

2. Evaluate the following expressions:

1. (CAR (CDR (CAR (CDR '((A B) (C D) (E F))))))
2. (CAR (CAR (CDR (CDR '((A B) (C D) (E F))))))
3. (CAR (CAR (CDR '(CDR ((A B) (C D) (E F))))))
4. (CAR (CAR '(CDR (CDR ((A B) (C D) (E F))))))
5. (CAR '(CAR (CDR (CDR ((A B) (C D) (E F))))))
6. '(CAR (CAR (CDR (CDR ((A B) (C D) (E F))))))

3. Write sequences of CARs and CDRs that will pick the return the symbol PEAR from the following expressions:

1. (APPLE ORANGE PEAR GRAPEFRUIT)
2. ((APPLE ORANGE) (PEAR GRAPEFRUIT))
3. (((APPLE) (ORANGE) (PEAR) (GRAPEFRUIT)))
4. (APPLE (ORANGE) ((PEAR) (((GRAPEFRUIT)))))
5. (((((APPLE))) ((ORANGE))) (PEAR) GRAPEFRUIT)
6. (((APPLE) ORANGE) PEAR) GRAPEFRUIT)