**Nomes:**

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**Exercicio 1 PAGE2 n esimo termo**

(defun nesimo(x y)

(if(null x)nil

(if(= x 0 )(car y)

(nesimo (-x 1)(cdr y)))))

**Exercicio 2**

(defun aparece (a x)

(do ((l x (cdr l))

(n 0 (+n(if (eq (car I)a)1 0))))

((not I)n)))

**Exercicio3**

(defun apaga(x y)

(if(null(x)x

(if(=(car x)y)(apaga(cdr x)y)

(cons(car x)apaga(cdr x)y)))))

**Exercicio4**

(defun remove (a x)

(if(null x) nil

(if(=a 0)(cdr x)

(cons(car x)(remove(-a 1)(cdr x)))))))

**Exercicio 5**

(defun reverter(x)

(if(null x)x

(if(=(length x)1)(cons(car x)()

(append(reverter(cdr x))(cons(car x)())))))

**Exercicio 6**

(defun(divide(a x)

(if (null x)x

(if(=a 1 (list(car x )(cdr x))

(append(cons(car x)())

(divide(-a 1)(cdr x))))))

**Exercicio 7**

(defun min(x)

(if null(x)x

(if(=(length x)1)(car x)

(if(<(car x)(setq a (menor(cdr(x))))

(car x) a))))

**Exercicio 8**

(defun union(Lista1 Lista2)

(cond((null Lista2)Lista1))

((not (eql nil(member (car Lista2)Lista1)))

(union Lista1(cdr Lista2))))

(t(union(append Lista1(cons(car Lista2()))))

(cdr Lista2))))

**Exercicio 9**

(defun intersecao(A B )

(if(eq A())A

(if (menber(car A)B)

(cons(car A(intersecao(cdr A)B))

(intersercao(cdr A)B))))