Homework3
  (1) sales.scm

```
> > ; no values returned
> > > > > > > > > > > > > ; no values returned
> > UNION -----------------------------------
#t
> (2 1 a b c)
#t
> (0 2 1 a b c)
#t
> (0 c b a 2 1 d e f)
#t
> > > > > > > > > ; no values returned
> > QUADRATIC --------------------------------
#t
> (0.0)
#t
> (attempted to divide by 0)
#t
> ()
#t
> (-1.0 -0.2)
#t
> ()
#t
> (-1.0)
#t
> > > > > > > > > > > > ; no values returned
> > ; no values returned
```

```
> > REVERSETAIL ----------------------------------------
#t
> (c b a)
#t
> (b (a a) a)
#t
> (0)
#t
> > > > > > > ; no values returned
> > ; no values returned
> ; no values returned
> ; no values returned
> > ; no values returned
> ; no values returned
> ; no values returned
> > COMPOSE ------------------------------------------
#t
> 0
#t
> 8
#t
> 64
#t
> 64
#t
> 0
#t
> 8
#t
> > > > > > > > sales.scm
; no values returned
> > > > > > > > > ; no values returned
```

```
                          ; no values returned
> > GETORDER ----------------------------------
#t
> ()
#t
> ((3 (10/13/2010 10/20/2010) (261.54 0.04 -213.25 38.94) (Regular Air Nunavut) Eldon Base for stackable storage shelf, platinum))
#t
> ((293 (10/1/2012 10/2/2012) (10123.02 0.07 457.81 208.16) (Delivery Truck Northwest Territories) 1.7 Cubic Foot Compact Cube Office Refr
igerators))
#t
> > > > > > ; no values returned
> > GETPROFIT -----------------------------------
#t
> -213.25
#t
> 457.81
#t
> > > > > > ; no values returned
> > TOTALPROFITS -----------------------------------
#t
> 1027.47
#t
> > > > > > ; no values returned
> > GETPROV ---------------------------------
#t
> Nunavut
#t
> Northwest Territories
#t
> > ; no values returned
> > ; no values returned
> > > ; no values returned
```

> > GETPROVINCES ---------------------------------------
#t
> (Northwest Territories Nunavut)
#t
> > > ; no values returned
> > > ; no values returned
> > > > ; no values returned
> > PROVINCIALPROFIT ---------------------------------------
#t
> ((Northwest Territories 457.81) (Nunavut 569.66))
#t

```
> > UNION ------------------------------------------
#t
> (2 1 a b c)
#t
> (0 2 1 a b c)
#t
> (0 c b a 2 1 d e f)
#t
> > > > > > > > > ; no values returned
> > QUADRATIC ---------------------------------------
#t
> (0.0)
#t
> (attempted to divide by 0)
#t
> ()
#t
> (-1.0 -0.2)
#t
> ()
#t
> (-1.0)
#t
> > > > > > > > > > > > ; no values returned
> > ; no values returned
> > REVERSETAIL ------------------------------------
#t
> (c b a)
#t
> (b (a a) a)
#t
> (0)
#t
> > > > > > > ; no values returned
> > ; no values returned
> ; no values returned
> ; no values returned
> > ; no values returned
> ; no values returned
> ; no values returned
```

```
> > COMPOSE ─────────────────────────────────────
#t
> 0
#t
> 8
#t
> 64
#t
> 64
#t
> 0
#t
> 8
#t
> > > > > > > salesBig.scm
; no values returned
> > > > > > > > ; no values returned
> > GETORDER ────────────────────────────────────
#t
> ()
#t
> ((3 (10/13/2010 10/20/2010) (261.54 0.04 -213.25 38.94) (Regular Air Nunavut) Eldon Bas
e for stackable storage shelf, platinum))
#t
> ((293 (10/1/2012 10/2/2012) (10123.02 0.07 457.81 208.16) (Delivery Truck Nunavut) 1.7
Cubic Foot Compact Cube Office Refrigerators) (293 (10/1/2012 10/3/2012) (244.57 0.01 46.
71 8.69) (Regular Air Nunavut) Cardinal Slant-Dï¿½ Ring Binder, Heavy Gauge Vinyl))
#t
> > > > > > ; no values returned
> > GETPROFIT ───────────────────────────────────
#t
> -213.25
#t
> 457.81
#t
> > > > > > ; no values returned
```

```
> > TOTALPROFITS ----------------------------------------
#t
> 1521653.0299999975
#t
> > > > > > ; no values returned
> > GETPROV ----------------------------------------
#t
> Nunavut
#t
> Northwest Territories
#t
> > ; no values returned
> > ; no values returned
> > > ; no values returned
> > GETPROVINCES ----------------------------------------
#t
> (Nunavut Northwest Territories Prince Edward Island Newfoundland Nova Scotia Quebec Ont
ario Manitoba Saskachewan New Brunswick Yukon British Columbia Alberta)
#t
> > > ; no values returned
> > > ; no values returned
> > > > ; no values returned
> > PROVINCIALPROFIT ----------------------------------------
#t
> ((Nunavut 2726.1600000000008) (Northwest Territories 100653.07999999997) (Prince Edward
  Island 31361.70999999999) (Newfoundland 6885.140000000001) (Nova Scotia 85361.8700000000
1) (Quebec 140426.65000000014) (Ontario 346868.53999999975) (Manitoba 136427.16) (Saskach
ewan 184732.96000000005) (New Brunswick 115351.94) (Yukon 73849.20999999996) (British Col
umbia 145062.12999999998) (Alberta 151946.47999999986))
#t
```