

Grading DB

```
(define farms '(  
  (farmA 100 (apricot apple blueberry))  
  (farmB 90 (broccoli carrot grape))  
  (farmC 75 (corn grape lemon))  
  (farmD 75 ())  
  (farmE 45 (lemon melon olive berry))  
  (farmF 70 (lemon carrot))  
  (farmG 50 (olive))  
  (farmH 150 (olive grape apple))  
  (farmI 50 (apple))  
  (farmJ 45 (ginger beans garlic))  
  (farmK 70 (spinach onion peas))  
  (farmL 50 ())  
  (farmM 150 (spinach melon potato tomato))  
  (farmN 50 (spinach corn))  
  (farmO 50 (spinach))  
)
```

```
(define customers '(  
  (john (farmA farmC) (apricot lemon))  
  (james (farmB farmC) (grape corn))  
  (arya (farmB farmD) (grape broccoli))  
  (elenor () ())  
  (alan (farmG farmH) (olive apple))  
  (george (farmF farmE farmG) (lemon melon olive apple))  
  (cersei (farmE farmF farmH farmI) (lemon olive apple))  
  (jon (farmA farmB farmC farmD farmE farmF farmG farmH farmI) (apricot apple blueberry broccoli  
    carrot grape corn lemon melon olive berry))  
  (sophia (farmK farmN farmO) (spinach onion corn))  
  (liam (farmM farmN farmO) (spinach melon potato))  
  (emma (farmD farmH farmK farmA) (apricot grape spinach))  
  (river (farmG farmB farmI farmA) (apple broccoli olive))  
  (lucas (farmK farmJ farmA farmD farmM farmN) (spinach onion apple))  
  (oliver (farmE farmF farmG) (lemon olive))  
  (zoe () ())  
)
```

```
(define crops '(  
  (apricot farmA 10)  
  (apple farmA 12)  
  (melon farmE 22)  
  (olive farmE 40)  
  (berry farmE 10)  
  (lemon farmF 35)  
  (carrot farmF 5)  
  (olive farmG 60)  
  (olive farmH 30)  
  (blueberry farmA 15)  
  (broccoli farmB 8)  
  (carrot farmB 5)  
  (grape farmB 10)  
  (corn farmC 9)  
  (grape farmC 12)  
  (lemon farmC 10)
```

(lemon farmE 12)
(grape farmH 10)
(apple farmH 8)
(apple farmI 8)
(ginger farmJ 10)
(beans farmJ 13)
(garlic farmJ 15)
(spinach farmK 5)
(onion farmK 9)
(peas farmK 8)
(spinach farmM 10)
(melon farmM 15)
(potato farmM 9)
(tomato farmM 9)
(spinach farmN 7)
(corn farmN 9)
(spinach farmO 6)
)

Functions and Points (Total 100)

-simple
transportation-cost 7.5
available-crops 7.5
interested-crops 7.5
contract-farms 7.5

-list
contract-with-farm 10
interested-in-crop 10

-price
min-sale-price 10
crops-between 10
buy-price 15
total-price 15

Grading Test Cases

Table 1

No	Case	Gold Answer
1	(transportation-cost 'farmO)	50
2	(transportation-cost 'farmA)	100
3	(transportation-cost 'farmZ)	0
4	(available-crops 'farmM)	(spinach melon potato tomato)
5	(available-crops 'farmE)	(lemon melon olive berry)
6	(available-crops 'farmZ)	()
7	(interested-crops 'jon)	(apricot apple blueberry broccoli carrot grape corn lemon melon olive berry)
8	(interested-crops 'elenor)	()
9	(interested-crops 'zzz)	()
10	(contract-farms 'jon)	(farmA farmB farmC farmD farmE farmF farmG farmH farmI)
11	(contract-farms 'elenor)	()
12	(contract-farms 'lucas)	(farmK farmJ farmA farmD farmM farmN)
13	(contract-with-farm 'farmA)	(john jon emma river lucas)
14	(contract-with-farm 'farmL)	()
15	(contract-with-farm 'farmH)	(alan cersei jon emma)
16	(contract-with-farm 'farmM)	(liam lucas)
17	(interested-in-crop 'spinach)	(sophia liam emma lucas)
18	(interested-in-crop 'apple)	(alan george cersei jon river lucas)
19	(interested-in-crop 'lemon)	(john george cersei jon oliver)
20	(interested-in-crop 'zzz)	()
21	(min-sale-price 'apple)	8
22	(min-sale-price 'melon)	15
23	(min-sale-price 'grape)	10
24	(min-sale-price 'zzz)	0
25	(crops-between 1 9)	(carrot broccoli corn apple spinach onion peas potato tomato)
26	(crops-between 10 20)	(apricot apple berry blueberry grape lemon ginger beans garlic spinach melon)
27	(crops-between 12 15)	(apple blueberry grape lemon beans garlic melon)
28	(crops-between 1 2)	()
29	(buy-price 'oliver 'lemon)	57
30	(buy-price 'jon 'apple)	58
31	(buy-price 'river 'apple)	58
32	(total-price 'jon)	891
33	(total-price 'lucas)	248
34	(total-price 'zoe)	0

