

Consider the following program provided in pseudocode (created by Mark New).

```
1 program Example()  
2   var staffDiscount, totalPrice, finalPrice, discount, price  
3   staffDiscount = 0.1  
4   totalPrice = 0  
5   input(price)  
6   while(price != -1) do  
7     totalPrice = totalPrice + price  
8     input(price)  
9   od  
10  print("Total price: " + totalPrice)  
11  if(totalPrice > 15.00) then  
12    discount = (staffDiscount * totalPrice) + 0.50  
13  else  
14    discount = staffDiscount * totalPrice  
15  fi  
16  print("Discount: " + discount)  
17  finalPrice = totalPrice - discount  
18  print("Final price: " + finalPrice)  
19 endprogram
```

Q1. Calculate the following slices:

S(price,5) S(price,6) S(price,7) S(price,8)

Q2. Calculate the following slices and place them in a lattice:

S(staffDiscount, 3) S(totalPrice, 4) S(totalPrice, 7)

S(totalPrice, 11) S(discount, 12)

S(discount, 14) S(finalPrice, 17)