```
function:
bestCharge
```

1 → function: loadAllItems& loadPromotions
2 ←

3 → function: addItemsCount
4 ←

5 → function: calculateTotal
6 ←

7 → function: calculateHalfPriceSaving
8 ←

9 → function: chooseDiscount
10 ←

11 → function: printTheTicket
12 ←

1.
2. itemsList: [{
  id: 'ITEM0001',
  name: '黄焖鸡',
  price: 18.00
 }, {
  id: 'ITEM0013',
  name: '肉夹馍',
  price: 6.00
 }, {
  id: 'ITEM0022',
  name: '凉皮',
  price: 8.00
 }, {
  id: 'ITEM0030',
  name: '冰锋',
  price: 2.00
 }];

promotions: [{
  type: '满30减6元'
 }, {
  type: '指定菜品半价',
  items: ['ITEM0001', 'ITEM0022']
 }];

3. inputs:
["ITEM0001 x 1", "ITEM0013 x 2", "ITEM0022 x 1"]
& itemsList

4. itemsList: [{
  id: 'ITEM0001',
  name: '黄焖鸡',
  price: 18.00,
  count: 1
 }, {
  id: 'ITEM0013',
  name: '肉夹馍',
  price: 6.00,
  count: 2
 }, {
  id: 'ITEM0022',
  name: '凉皮',
  price: 8.00,
  count: 1
 }];

5. itemsList
6. total: 38.00
7. itemsList, promotions
8. savingPrice: 13, discountItemsList: ["黄焖鸡", "凉皮"]
9. itemsList, promotions, total
10. highestSaving: 13, halfPriceList: ["黄焖鸡", "凉皮"],
savingName: "指定菜品半价"
11. itemsList, bestChargeDetial, total
12. print the ticket!