Example input 1 (json file):

{

“map-top-right-coordinate” : {

“x”: 280,

“y”: 280

},

“products” : [

“tomatoes”,

“cucumber”,

“cheese”,

“milk”,

“ham”,

“eggs”,

“bananas”,

“carrots”,

“bread”,

“onion”

],

“warehouses”: [

{

“x”: 100,

“y”: 100,

“name”: “Left warehouse”

},

{

“x”: 200,

“y”: 200,

“name”: “Right warehouse”

}

],

“customers” : [

{

“id”: 1,

“name”: “John Stocks”,

“coordinates” : {

“x”: 10,

“y”: 10

}

},

{

“id”: 2,

“name”: “Alfred Derrick”,

“coordinates” : {

“x”: 213,

“y”: 187

}

},

{

“id”: 3,

“name”: “Richard Brune”,

“coordinates” : {

“x”: 108,

“y”: 15

}

}

],

“orders”: [

{

“customerId”: 1,

“productList” : {

“tomatoes” : 5,

“cucumber” : 5,

“cheese” : 1,

“milk” : 2

}

},

{

“customerId”: 1,

“productList” : {

“eggs” : 10,

“cucumber” : 2,

“cheese” : 1,

“ham” : 2

}

},

{

“customerId”: 2,

“productList” : {

“eggs” : 10,

“tomatoes” : 2,

“bananas” : 5,

“carrots” : 15,

“bread” : 2,

“onion” : 6

}

}

]

}

Example input 2 (json file) - for c):

{

“map-top-right-coordinate” : {

“x”: 280,

“y”: 280

},

“products” : [

“tomatoes”,

“cucumber”,

“cheese”,

“milk”,

“ham”,

“eggs”,

“bananas”,

“carrots”,

“bread”,

“onion”

],

“warehouses”: [

{

“x”: 100,

“y”: 100,

“name”: “Left warehouse”

},

{

“x”: 200,

“y”: 200,

“Name”: “Right warehouse”

}

],

“customers” : [

{

“id”: 1,

“name”: “John Stocks”,

“coordinates” : {

“x”: 10,

“y”: 10

}

},

{

“id”: 2,

“name”: “Alfred Derrick”,

“coordinates” : {

“x”: 213,

“y”: 187

}

},

{

“id”: 3,

“name”: “Richard Brune”,

“coordinates” : {

“x”: 108,

“y”: 15

}

}

],

“orders”: [

{

“customerId”: 1,

“productList” : {

“tomatoes” : 5,

“cucumber” : 5,

“cheese” : 1,

“milk” : 2

}

},

{

“customerId”: 1,

“productList” : {

“eggs” : 10,

“cucumber” : 2,

“cheese” : 1,

“ham” : 2

}

},

{

“customerId”: 2,

“productList” : {

“eggs” : 10,

“tomatoes” : 2,

“bananas” : 5,

“carrots” : 15,

“bread” : 2,

“onion” : 6

}

},

{

“customerId”: 3,

“productList” : {

“eggs” : 5,

“cucumber” : 5,

“cheese” : 1,

“tomatoes” : 2

}

},

{

“customerId”: 3,

“productList” : {

“eggs” : 10,

“tomatoes” : 2,

“ham” : 1,

“bananas” : 2

}

},

{

“customerId”: 2,

“productList” : {

“bananas” : 10,

“carrots” : 2,

“onion” : 5,

“cucumber” : 15,

“cheese” : 2,

“bread” : 6

}

}

],

“typesOfDrones”: [

{

“capacity” : "500W",

“consumption” : "1W"

},

{

“capacity” : "1kW",

“consumption” : "3W"

},

{

“capacity” : "2kW",

“consumption” : "5W"

}

]

}

Example input 3 (json file) - for homework 2 d):

{

“output“ : {

“poweredOn”: true,

“minutes”: {

“program”: 10,

“real”: 400

}

},

“map-top-right-coordinate” : {

“x”: 280,

“y”: 280

},

“products” : [

“tomatoes”,

“cucumber”,

“cheese”,

“milk”,

“ham”,

“eggs”,

“bananas”,

“carrots”,

“bread”,

“onion”

],

“warehouses”: [

{

“x”: 100,

“y”: 100,

“name”: “Left warehouse”

},

{

“x”: 200,

“y”: 200,

“Name”: “Right warehouse”

}

],

“customers” : [

{

“id”: 1,

“name”: “John Stocks”,

“coordinates” : {

“x”: 10,

“y”: 10

}

},

{

“id”: 2,

“name”: “Alfred Derrick”,

“coordinates” : {

“x”: 213,

“y”: 187

}

},

{

“id”: 3,

“name”: “Richard Brune”,

“coordinates” : {

“x”: 108,

“y”: 15

}

}

],

“orders”: [

{

“customerId”: 1,

“productList” : {

“tomatoes” : 5,

“cucumber” : 5,

“cheese” : 1,

“milk” : 2

}

},

{

“customerId”: 1,

“productList” : {

“eggs” : 10,

“cucumber” : 2,

“cheese” : 1,

“ham” : 2

}

},

{

“customerId”: 2,

“productList” : {

“eggs” : 10,

“tomatoes” : 2,

“bananas” : 5,

“carrots” : 15,

“bread” : 2,

“onion” : 6

}

},

{

“customerId”: 3,

“productList” : {

“eggs” : 5,

“cucumber” : 5,

“cheese” : 1,

“tomatoes” : 2

}

},

{

“customerId”: 3,

“productList” : {

“eggs” : 10,

“tomatoes” : 2,

“ham” : 1,

“bananas” : 2

}

},

{

“customerId”: 2,

“productList” : {

“bananas” : 10,

“carrots” : 2,

“onion” : 5,

“cucumber” : 15,

“cheese” : 2,

“bread” : 6

}

}

],

“typesOfDrones”: [

{

“capacity” : ”500W”,

“consumption” : "1W"

},

{

“capacity” : "1kW",

“consumption” : "3W"

},

{

“capacity” : "2kW",

“consumption” : "5W"

}

]

}

Example input 4 (json file) - for homework 3:

{

“deliveryStatus”: {

“output“: true,

“frequency”: 30

},

“products” : {

“tomatoes” : 40,

“cucumber” : 150,

“Cheese” : 300,

“milk” : 1000,

“ham” : 200,

“eggs” : 20,

“bananas” : 130,

“carrots” : 80,

“bread” : 650,

“onion” : 45

],

“output“ : {

“poweredOn”: true,

“minutes”: {

“program”: 10,

“real”: 400

}

},

“map-top-right-coordinate” : {

“x”: 280,

“y”: 280

},

“warehouses”: [

{

“x”: 100,

“y”: 100,

“name”: “Left warehouse”

},

{

“x”: 200,

“y”: 200,

“Name”: “Right warehouse”

}

],

“customers” : [

{

“id”: 1,

“name”: “John Stocks”,

“coordinates” : {

“x”: 10,

“y”: 10

}

},

{

“id”: 2,

“name”: “Alfred Derrick”,

“coordinates” : {

“x”: 213,

“y”: 187

}

},

{

“id”: 3,

“name”: “Richard Brune”,

“coordinates” : {

“x”: 108,

“y”: 15

}

}

],

“orders”: [

{

“customerId”: 1,

“productList” : {

“tomatoes” : 5,

“cucumber” : 5,

“cheese” : 1,

“milk” : 2

}

},

{

“customerId”: 1,

“productList” : {

“eggs” : 10,

“cucumber” : 2,

“cheese” : 1,

“ham” : 2

}

},

{

“customerId”: 2,

“productList” : {

“eggs” : 10,

“tomatoes” : 2,

“bananas” : 5,

“carrots” : 15,

“bread” : 2,

“onion” : 6

}

},

{

“customerId”: 3,

“productList” : {

“eggs” : 5,

“cucumber” : 5,

“cheese” : 1,

“tomatoes” : 2

}

},

{

“customerId”: 3,

“productList” : {

“eggs” : 10,

“tomatoes” : 2,

“ham” : 1,

“bananas” : 2

}

},

{

“customerId”: 2,

“productList” : {

“bananas” : 10,

“carrots” : 2,

“onion” : 5,

“cucumber” : 15,

“cheese” : 2,

“bread” : 6

}

}

],

“typesOfDrones”: [

{

“capacity” : ”500W”,

“consumption” : "1W"

},

{

“capacity” : "1kW",

“consumption” : "3W"

},

{

“capacity” : "2kW",

“consumption” : "5W"

}

]

}

Example input 5 (json file) - for homework 3 j):

{

“deliveryStatus”: {

“output“: true,

“frequency”: 30

},

“products” : {

“tomatoes” : 40,

“cucumber” : 150,

“Cheese” : 300,

“milk” : 1000,

“ham” : 200,

“eggs” : 20,

“bananas” : 130,

“carrots” : 80,

“bread” : 650,

“onion” : 45

],

“output“ : {

“poweredOn”: true,

“minutes”: {

“program”: 10,

“real”: 400

}

},

“map-top-right-coordinate” : {

“x”: 280,

“y”: 280

},

“warehouses”: [

{

“x”: 100,

“y”: 100,

“name”: “Left warehouse”

},

{

“x”: 200,

“y”: 200,

“Name”: “Right warehouse”

}

],

“customers” : [

{

“id”: 1,

“name”: “John Stocks”,

“coordinates” : {

“x”: 10,

“y”: 10

}

},

{

“id”: 2,

“name”: “Alfred Derrick”,

“coordinates” : {

“x”: 213,

“y”: 187

}

},

{

“id”: 3,

“name”: “Richard Brune”,

“coordinates” : {

“x”: 108,

“y”: 15

}

}

],

“orders”: [

{

“customerId”: 1,

“productList” : {

“tomatoes” : 5,

“cucumber” : 5,

“cheese” : 1,

“milk” : 2

}

},

{

“customerId”: 1,

“productList” : {

“eggs” : 10,

“cucumber” : 2,

“cheese” : 1,

“ham” : 2

}

},

{

“customerId”: 2,

“productList” : {

“eggs” : 10,

“tomatoes” : 2,

“bananas” : 5,

“carrots” : 15,

“bread” : 2,

“onion” : 6

}

},

{

“customerId”: 3,

“productList” : {

“eggs” : 5,

“cucumber” : 5,

“cheese” : 1,

“tomatoes” : 2

}

},

{

“customerId”: 3,

“productList” : {

“eggs” : 10,

“tomatoes” : 2,

“ham” : 1,

“bananas” : 2

}

},

{

“customerId”: 2,

“productList” : {

“bananas” : 10,

“carrots” : 2,

“onion” : 5,

“cucumber” : 15,

“cheese” : 2,

“bread” : 6

}

}

],

“typesOfDrones”: [

{

“capacity” : ”500W”,

“consumption” : "1W",

“type” : ”normal”

},

{

“capacity” : "1kW",

“consumption” : "3W",

“type” : ”fast-charged”

},

{

“capacity” : "2kW",

“consumption” : "5W",

“type” : ”normal”

}

],

“chargingStations”: [

{

“x”: 110,

“y”: 180,

“type”: “cheapest”

},

{

“x”: 10,

“y”: 190,

“type”: “normal”

},

{

“x”: 200,

“y”: 120,

“type”: “fast”

}

]

}