

# Input Command

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**create [NAME] [POWER\_CONSUMPTION] [ADDITION\_COST]**

## Input Parameter

- [NAME] : Name of the created chassis, guaranteed to be unique
- [POWER\_CONSUMPTION] : Power consumption of the created chassis
- [ADDITION\_COST] : Addition cost of the created chassis

## Output Format

- This command has no output

**add [TYPE] [COMPONENT\_NAME] [POWER\_CONSUMPTION]  
[ADDITION\_COST] [NAME]**

## Input Parameter

- [TYPE] : Type of the added component, guaranteed to be bus or floppy
- [COMPONENT\_NAME] : Name of the added component
- [POWER\_CONSUMPTION] : Power consumption of the added component
- [ADDITION\_COST] : Addition cost of the added component
- [NAME] : Name of the destination chassis, existence is guaranteed

## Output Format

- This command has no output

**get [NAME] [INDEX]**

## Input Parameter

- [NAME] : Name of the target chassis, existence is guaranteed
- [INDEX] : Index of the target component in the chassis [NAME]

## Output Format

*If [INDEX] exist*

- [NAME]:[COMPONENT\_NAME]

*Otherwise*

- Index [INDEX] out of bound of [NAME]

## **print [NAME]**

### **Input Parameter**

- [NAME] : Name of the target component, existence is guaranteed

### **Output Format**

*If [NAME] is a chassis*

- [NAME] ([POWER\_CONSUMPTION], [ADDITION\_COST])  
[NAME]:[COMPONENT\_NAME] ([POWER\_CONSUMPTION], [ADDITION\_COST])  
[NAME]:[COMPONENT\_NAME] ([POWER\_CONSUMPTION], [ADDITION\_COST])  
[NAME]:[COMPONENT\_NAME] ([POWER\_CONSUMPTION], [ADDITION\_COST])  
...

*Otherwise*

- [NAME] ([POWER\_CONSUMPTION], [ADDITION\_COST])

## **sumOfPowerConsumption [NAME]**

### **Input Parameter**

- [NAME] : Name of the target component, existence is guaranteed

### **Output Format**

*If [NAME] is a chassis*

- [POWER\_SUM] (if [NAME] is a chassis)

*Otherwise*

- [NAME] does not support command sumOfPowerConsumption

## **sumOfAdditionCost [NAME]**

### **Input Parameter**

- [NAME] : Name of the target component, existence is guaranteed

### **Output Format**

*If [NAME] is a chassis*

- [COST\_SUM]

*Otherwise*

- [NAME] does not support command sumOfAdditionCost