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**Q1**

**C A B D D**

**Q2**

**(1)**

Let the MOSFET work in the triode region, then it has the same function as this resistor.

Advantages: ①simple manufacturing process, which can save costs ②it owns high input impedance

**(2)**

Operation principle: the control circuit to control the operation of the whole system, the inverter circuit to complete the conversion from direct current to alternating current function, the filter circuit is used to filter out unwanted signals.

Why: DC voltage drop is small, which lowers the operating supply voltage, while its equivalent dynamic resistance is large. Besides, MOSFETs can reduce power consumption.

**Q3**

(a)neither (b)enhancement (c)neither (d)depletion

**Q4**

文本, 信件

描述已自动生成

**Q5**

文本, 信件

描述已自动生成

That’s all, thank you!

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