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********************* DITZ位汭********************
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Three people on a trip stay at a hotel, and a room costs $\$ 30$. They each pay $\$ 10$ to the hotel manager. The manager realizes he made a mistake and tells the bell boy, "The room is only $\$ 25$, please return this $\$ 5$ to the three people."

The bell boy didn't know how to split the $\$ 5$ among three people, so he keeps $\$ 2$ to himself and gives the three people each $\$ 1$. That means each of the three people actually only paid $\$ 9$ each for the room.

But if the three people (each paying \$9) only spent $\$ 27$ total and the bell boy kept $\$ 2$, that's only $\$ 29$. Where did the extra dollar go?

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