

index choice

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Fix This Table

A group exercise

Temperature (°C)	Humidity (%)	Action
< 0	*	Heat + Humidify
0-20	40-60	Heat
20-25	40-60	OFF
>25	>60	Cool + Dehumidify

Issues

1. **Incomplete:** What about 0-20°C with <40% or >60% humidity?
2. **Incomplete:** What about 20+°C with <40% or >60% humidity?
3. **Incomplete:** What about >25°C with ≤60% humidity?
4. **Non-disjoint:** Temperature boundaries (Is 20 in second or third? Is 25 in third or fourth?)

Fixed Table

Complete and Disjoint

Temperature (°C)	Humidity (%)	Action
< 0	*	Heat + Humidify
[0-20)	< 40	Heat + Humidify
[0-20)	[40, 60]	Heat
[0-20)	> 60	Heat
[20-25)	< 40	Humidify
[20-25)	[40, 60]	OFF
[20-25)	> 60	Dehumidify
≥ 25	≤ 60	Cool
≥ 25	> 60	Cool + Dehumidify