**Edible Examples**

1. **No Odor + Bruises + White Cap Color**:
   * Odor: "n" (None)
   * Bruises: "t" (Yes)
   * Gill Color: Any
   * Cap Shape: Any
   * Cap Surface: Any
   * Cap Color: "w" (White)
2. **No Odor + Buff Gill Color**:
   * Odor: "n" (None)
   * Bruises: Any
   * Gill Color: "b" (Buff)
   * Cap Shape: Any
   * Cap Surface: Any
   * Cap Color: Any
3. **Almond Odor + Pink Gill Color**:
   * Odor: "a" (Almond)
   * Bruises: Any
   * Gill Color: "p" (Pink)
   * Cap Shape: Any
   * Cap Surface: Any
   * Cap Color: Any
4. **No Odor + Smooth Cap Surface + Convex Cap Shape**:
   * Odor: "n" (None)
   * Bruises: Any
   * Gill Color: Any
   * Cap Shape: "x" (Convex)
   * Cap Surface: "s" (Smooth)
   * Cap Color: Any
5. **No Odor + Purple Gill Color**:
   * Odor: "n" (None)
   * Bruises: Any
   * Gill Color: "u" (Purple)
   * Cap Shape: Any
   * Cap Surface: Any
   * Cap Color: Any

**Example Edible Combination**

* **Odor**: Almond ("a")
* **Bruises**: Yes ("t")
* **Gill Color**: Pink ("p")
* **Cap Shape**: Convex ("x")
* **Cap Surface**: Smooth ("s")
* **Cap Color**: White ("w")

**Edible Combinations with Odor ≠ None**

1. **Almond Odor + Certain Gill Colors**:
   * Odor: "a" (Almond)
   * Gill Color: "b" (Buff), "p" (Pink), or "u" (Purple)
   * Example:
     + Odor: Almond
     + Bruises: Yes or No
     + Gill Color: Buff
     + Cap Shape: Any
     + Cap Surface: Any
     + Cap Color: Any

**Poisonous Examples**

1. **Foul Odor (Regardless of Other Parameters)**:
   * Odor: "f" (Foul)
   * Bruises: Any
   * Gill Color: Any
   * Cap Shape: Any
   * Cap Surface: Any
   * Cap Color: Any
2. **No Odor + No Bruises + Bell Cap Shape + Scaly Cap Surface**:
   * Odor: "n" (None)
   * Bruises: "f" (No)
   * Gill Color: Any
   * Cap Shape: "b" (Bell)
   * Cap Surface: "y" (Scaly)
   * Cap Color: Any
3. **No Odor + No Bruises + Conical Cap Shape + Fibrous Cap Surface**:
   * Odor: "n" (None)
   * Bruises: "f" (No)
   * Gill Color: Any
   * Cap Shape: "c" (Conical)
   * Cap Surface: "f" (Fibrous)
   * Cap Color: Any
4. **No Odor + Green Gill Color**:
   * Odor: "n" (None)
   * Bruises: Any
   * Gill Color: "r" (Green)
   * Cap Shape: Any
   * Cap Surface: Any
   * Cap Color: Any
5. **No Odor + Brown Cap Color**:
   * Odor: "n" (None)
   * Bruises: Any
   * Gill Color: Any
   * Cap Shape: Any
   * Cap Surface: Any
   * Cap Color: "n" (Brown)

**Example Poisonous Combination**

* **Odor**: None ("n")
* **Bruises**: No ("f")
* **Gill Color**: Green ("r")
* **Cap Shape**: Conical ("c")
* **Cap Surface**: Fibrous ("f")
* **Cap Color**: Brown ("n")

**Poisonous Combinations with Odor = None**

1. **No Odor + No Bruises + Specific Cap Shape + Specific Cap Surface**:
   * Odor: "n" (None)
   * Bruises: "f" (No)
   * Cap Shape: "b" (Bell) or "c" (Conical)
   * Cap Surface: "y" (Scaly) or "f" (Fibrous)
   * Example:
     + Odor: None
     + Bruises: No
     + Gill Color: Any
     + Cap Shape: Bell
     + Cap Surface: Scaly
     + Cap Color: Any
2. **No Odor + Other Unfavorable Combinations**:
   * If the mushroom does not meet any of the **edible** conditions (e.g., no bruises, wrong gill color, wrong cap shape, or wrong cap surface), it should default to **poisonous**.
   * Example:
     + Odor: None
     + Bruises: No
     + Gill Color: Green ("r")
     + Cap Shape: Conical ("c")
     + Cap Surface: Fibrous ("f")
     + Cap Color: Brown ("n")