

Limitations

1. **Basic Rules:** Our rules might not cover every situation in drug supply. Real life has more factors and complex relationships than our simple rules.
 - **Examples of More Detailed Rules:**
 - **Health Crisis Response:** If there's a health emergency or a spike in demand for certain drugs, get these drugs regardless of how many we have.
 - **Pending Approvals:** If a supplier's drugs are not yet approved, don't prioritize them, even if they're usually reliable.
 - **Vital Medicines:** Always put life-saving and crucial drugs first, no matter the budget or usage.
 - **Long Wait Times:** If it takes a while to get drugs and we have an adequate stock, order more to avoid running out.
 - **Learning from Past Usage:** If we've been using more of a drug lately, start ordering more of it.
 - **Funding for New or Expensive Drugs:** Set aside money for new or costly drugs, even if they're not used much.
 - **Preparing for Disasters:** Stock up on key medicines before emergencies, even if we have enough for now.
2. **Fixed Categories:** Our set categories like 'low', 'medium', 'high' may not always fit the changing needs of the drug industry.
3. **Ignoring Big Changes:** We don't account for market changes, new regulations, global events, or major health crises.
4. **Needing Accurate Data:** Our system works best with correct and up-to-date information about suppliers, delivery times, etc.

Potential Failures

- **Not Seeing What's Urgent:** We might not order urgently needed drugs fast enough if the rules are too strict.
- **Too Much Trust in One Supplier:** If we keep choosing the same reliable suppliers, it could be a problem if they have issues.
- **Limited by Money:** We might not get necessary drugs if there's not enough money.
- **Stock Problems:** Wrong rules about stock levels could lead to having too much (wasting drugs) or too little (not meeting patient needs).
- **Delivery Time Errors:** If we underestimate how long it takes to get drugs, they might arrive too late.
- **Not Adapting to Changes:** The drug market changes fast. If we can't keep up, our decisions might be out of date.
- **Not Learning from the Past:** Our system doesn't seem to use past decisions to improve future ones.