**Rules in Knowledge Base**

**Rule 1:** The user has mild fever AND mild headache => prescribe low Paracetamol, low Advil and low bed rest.

**Rule 2:** The user has mild fever AND medium headache => prescribe low Paracetamol, medium Advil and low bed rest.

**Rule 3:** The user has mild fever AND severe headache => prescribe low Paracetamol, high Advil and medium bed rest.

**Rule 4:** The user has medium fever AND mild headache => prescribe medium Paracetamol, low Advil and medium bed rest.

**Rule 5:** The user has medium fever AND medium headache => prescribe medium Paracetamol, medium Advil and medium bed rest.

**Rule 6:** The user has medium fever AND severe headache => prescribe medium Paracetamol, high Advil and medium bed rest.

**Rule 7:** The user has high fever AND mild headache => prescribe high Paracetamol, low Advil and high bed rest.

**Rule 8:** The user has high fever AND medium headache => prescribe high Paracetamol, medium Advil and high bed rest.

**Rule 9:** The user has high fever AND severe headache => prescribe high Paracetamol, high Advil and high bed rest.

**Rule 10:** (Chain Rule) If the bed rest is low => suggesting a doctor is not necessary.

Explanation: If the bed rest is low, it means that the severity of fever and headache is less according to the above rules. Hence suggesting a doctor is not necessary.

**Rule 11:** (Chain Rule) If the bed rest is medium => suggest a doctor.

Explanation: If the bed rest is medium, it means that the severity of fever and headache is more.

**Rule 12:** (Chain Rule) If the bed rest is high => suggest a doctor.

Explanation: If the bed rest is high, it means that the severity of fever and headache is very high.