**Financial Advisor**

**KB:**

1. savings\_account(inadequate) 🡪 investment(savings)
2. savings\_account(adequate) ∧ income(adequate) 🡪 investment(stocks)
3. savings\_account(adequate) ∧ income(inadequate) 🡪 investment(combination)
4. IsGreaterOrEqualThan[ CurrentSavings(person), $5,000 x NumberOfDependents(person) ] 🡪 savings\_account(adequate)
5. ¬IsGreaterOrEqualThan[ CurrentSavings(person), $5,000 x NumberOfDependents(person) ] 🡪 savings\_account(inadequate)
6. IsGreaterOrEqualThan[ CurrentIncome(person), $1,500 + $4,000 x NumberOfDependents(person) ] 🡪 income(adequate)
7. ¬IsGreaterOrEqualThan[ CurrentIncome(person), $1,500 + $4,000 x NumberOfDependents(person) ] 🡪 income(inadequate)

**New KB / Scenario:**

1. CurrentSavings(person) = $22,000
2. NumberOfDependents(person) = 3
3. CurrentIncome(person) = $25,000

**Inference:**

* IsGreaterOrEqualThan[ $22,000, $5,000 x 3 ] = IsGreaterOrEqualThan[ $22,000, $15,000 ] 🡪 savings\_account(adequate)
* ¬IsGreaterOrEqualThan[ $25,000, $15,000 + $4,000 x 3 ] = ¬IsGreaterOrEqualThan[ $25,000, $27,000 ] 🡪 income(inadequate)
* savings\_account(adequate) ∧ income(inadequate) 🡪 investment(combination)