



# PROBLEM SOLVING

## ROUTINE

uses sets of known or prescribed procedures (algorithms) to solve problems

**STRENGTH:** easily assessed by paper-pencil tests

**WEAKNESS:** least relevant to human problem solving

## NON-ROUTINE

uses heuristics which do not guarantee a solution to a problem but provide a more highly probable method for solving problems

## STATIC

fixed, known goal and known elements

**STRENGTH:** most relevant to human problem solving

**WEAKNESS:** least able to be assessed by paper-pencil tests

## ACTIVE

- fixed goal(s) with changing elements
- changing goal(s) with fixed elements
- changing goal(s) with changing elements