

arb-arity tree (struct. rec.)  
generative recursion  
backtracking

```
(define (solve bd)
  (local [(define (solve/one bd)
            (if (trivial? bd)
                trivial-answer
                (solve/list (next-boards bd))))])

  (define (solve/list lobd)
    (cond [(empty? lobd) (...)]
          [else
           (local [(define try (solve/one (first lobd)))]
                 (if (not (false? try))
                     try
                     (solve/list (rest lobd))))]))])

  (define (next-boards bd)
    (... bd))
  (solve/one bd))
```