PARAMETRIC SEARCH
(N. Megiddo '82)

1. **HAVE** a (search) problem $A$: "find $t^* \in T$"

2. **Formulate** another (parametric) Problem $B(t)$ whose solution depends on $t \in T$.

**3. **Solve $B(t^*)$ [even though you don't know $t^*$]

4. **USE** the solution of $B(t^*)$ to obtain $t^*$

[*sometimes (often, always) you need*]

5. a parallel algorithm for $B(t)$ to make 1-4 effective