

```
abstract public class DivConqTemplate {

    final public Solution solve(Problem p) {
        Problem[] pp;
        if (isSimple(p)) {
            return simplySolve(p);
        }
        else {
            pp = decompose(p);
        }
        Solution[] ss = new Solution[pp.length];
        for(int i=0; i < pp.length; i++) {
            ss[i] = solve(pp[i]);
        }
        return combine(p,ss);
    }

    abstract protected boolean isSimple (Problem p);

    abstract protected Solution simplySolve (Problem p);

    abstract protected Problem[] decompose (Problem p);

    abstract protected Solution combine(Problem p, Solution[] ss);
}
```