在 IMP 语言中增加取值和寻址表达式、修改指针指向的内容，其语法进行了如下扩充：

Command ::= *Identifier = Expression

```
execute [*I := E] env sto =
    let val = evaluate E env sto in
    let variable loc = find(env, I) in
    let variable loc' = fetch(sto, loc) in
    update(sto, loc', val)
```

Expression :: = *Identifier

```
evaluate[*I] env sto =
    evaluate I' env sto in
    let variable I' = fetch(sto, I)
```

Expression :: = &Identifier

```
evaluate[&I] env sto =
    λloc. if find(sto,I')==evaluate(I) in
    let variable I' = fetch(sto,loc) then
        loc
```