

## Inspection

The following is the completely correct MID. It is up to you to find the differences!

```
typedef struct {
    nam:String, pos:String, neg:String, value:integer
} comp;
Variables:
    isinit:boolean := false;
    components:comp[]; /* Array declaration */
    max:integer;
    size:integer;

init(n:integer)
    if (n<=0) then ERROR( invalid );
    components := new comp[0..n-1];
    max := n-1;
    size := 0;
    isinit := true;
put(c:comp)
    local i:integer;
    if not(isinit) then ERROR(notinit) fi;
    if (size>max) then ERROR(full) fi;
    for (i := 0; i < size; i++) {
        if (components[i].nam = c.nam) then ERROR( duplicate ) fi;
    }
    components[size] := c;
    size := size + 1;
int get_value(nam:String)
    local i:integer;
    if not(isinit) then ERROR(notinit) fi;
    for (i := 0; i < size; i++) {
        if (components[i].nam = nam) then RETURN( components[i].value ) fi;
    }
    ERROR(notfound);
String*String get_reversed_nodes(nam:String)
    local i:integer;
    if not(isinit) then ERROR(notinit) fi;
    for (i := 0; i < size; i++) {
        if (components[i].nam = nam) then
            RETURN( components[i].neg, components[i].pos )
        fi;
    }
    ERROR(notfound);
```