## Reduce된 코드를 가지고 translation (IntraCfg → Flang) 테스트

## <결과>

buf[idx] 와 같은 expression은 Flang에서 Array로 번역되는데, 할당문 왼쪽에 올 때랑 오른쪽에 올 때의 번역이 일치하지 않았음.

나머지는 번역 잘 됨.

## <수정한 것>

buf[idx]는 일반 변수와 구별되도록 잘 수정 끝.

## <세부 결과>

아래에 첨부

```
T1:
draw_slider() {
       int v1len;
        char wb[41];
        v1len = 1;
        airac_observe(wb, v1len - 1);
        v1len++;
}
<<IntraCfg>>
skip
alloc(__cil_tmp3,[1*41])
set(wb,(char *)__cil_tmp3)
set(v1len,1)
call(@airac_observe(StartOf(wb), v1len-1))
set(v1len,v1len+1)
return 0
skip
<<Flang>>
Alooc Id Bexp Const Const
Assign Id Nothing
Assign Id Const
Assign Id Bexp Lval Id Const
T2:
int draw_slider_slen;
        draw slider() {
        int v1len, v2len;
        char wb[41];
        draw_slider_slen = v2len = draw_slider_slen + 1;
        v1len = v2len;
        airac observe(wb, v1len);
}
<<IntraCfg>>
skip
alloc(__cil_tmp4,[1*41])
set(wb,(char *)__cil_tmp4)
set(v2len,@draw_slider_slen+1)
set(@draw slider slen,v2len)
set(v1len,v2len)
call(@airac_observe(StartOf(wb), v1len))
skip
return 0
skip
<<Flang>>
Alooc Id Bexp Const Const
Assign Id Nothing
Assign Id Bexp Lval Id Const
Assign Id Lval Id
Assign Id Lval Id
```

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```
int dev_count, init_sliders_dev_nr, init_sliders_dev_nrs;
       int dev_vol[25];
       int dev ind[5];
       init_sliders() {
       dev ind[init sliders dev nr] = dev count++;
       dev ind[init sliders dev nr] = -1;
       int dev nr tmp = 0;
       dev_nr_tmp = dev_ind[init_sliders_dev_nrs];
       if (dev_nr_tmp)
               goto __Cont;
       airac_observe(dev_vol, dev_nr_tmp);
         _Cont:
}
<<IntraCfg>>
skip
set(tmp,@dev count)
set(@dev_count,@dev_count+1)
set(@dev ind[@init sliders dev nr],tmp)
set(@dev_ind[@init_sliders_dev_nr],-1)
set(dev_nr_tmp,0)
set(dev nr tmp,@dev ind[@init sliders dev nrs])
assume(!dev nr tmp)
call(@airac observe(StartOf(@dev vol), dev nr tmp))
skip
skip
return 0
skip
skip
set(tmp,@dev_count)
set(@dev_count,@dev_count+1)
set(@dev_ind[@init_sliders_dev_nr],tmp)
set(@dev ind[@init sliders dev nr],-1)
set(dev nr tmp,0)
set(dev_nr_tmp,@dev_ind[@init_sliders_dev_nrs])
skip
assume(dev_nr_tmp)
skip
return 0
skip
<<Flang>>
Assign Id Lval Id
Assign Id Bexp Lval Id Const
Assign Array Lval Id
Assign Array Const
Assign Id Const
Assign Id Lval Array
Cond Uexp Lval Id
Assign Id Lval Id
Assign Id Bexp Lval Id Const
Assign Array Lval Id
Assign Array Const
Assign Id Const
Assign Id Lval Array
Cond Lval Id
```

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T6:
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```
int dev count, init sliders dev nr, ctrl sliders dev nrs;
       int dev_vol[25];
       int dev ind[5];
       init sliders() {
       dev_ind[init_sliders_dev_nr] = dev_count++;
       dev_ind[init_sliders_dev_nr] = -1;
}
ctrl_sliders() {
       int dev_nr_tmp = 0;
       dev_nr_tmp = dev_ind[ctrl_sliders_dev_nrs];
       if (dev nr tmp)
              goto __Cont;
       airac observe(dev vol, dev nr tmp);
}
<<IntraCfg>>
skip
set(dev_nr_tmp,0)
set(dev_nr_tmp,@dev_ind[@ctrl_sliders_dev_nrs])
skip
assume(!dev_nr_tmp)
call(@airac_observe(StartOf(@dev_vol), dev_nr_tmp))
skip
skip
return 0
skip
skip
set(dev_nr_tmp,0)
set(dev_nr_tmp,@dev_ind[@ctrl_sliders_dev_nrs])
skip
assume(dev_nr_tmp)
skip
return 0
skip
<<Flang>>
Assign Id Const
Assign Id Lval Array
Cond Uexp Lval Id
Assign Id Const
Assign Id Lval Array
Cond Lval Id
```

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