

```
#include <stdlib.h>
```

```
typedef struct {  
    int n2;  
    double *arr2;  
    double coeff2;  
} mainstruct_lev2_t;
```

```
typedef struct {  
    int n;  
    mainstruct_lev2_t *arr;  
    double coeff;  
} mainstruct_t;
```

```
#define N 10000
```

```
int main() {  
    mainstruct_t *main_p;  
  
    main_p = (mainstruct_t*) malloc(sizeof(mainstruct_t));  
    main_p->arr = (mainstruct_lev2_t*) malloc(sizeof(mainstruct_lev2_t));  
  
    main_p->arr->n2 = N;  
    main_p->arr->arr2 = (double*) malloc(sizeof(double) *  
main_p->arr->n2);  
  
    #pragma acc parallel loop  
    for(int i=0;i<main_p->arr->n2;i++) {  
        main_p->arr->arr2[i] = i;  
    }  
  
    return main_p->arr->arr2[0] * main_p->arr->arr2[N-1] !  
= 0;  
}
```