

```
#include<stdio.h>
int change(int , int );
int main(int argc, char * argv[])
{
    printf("Please enter your choice: 0/1 \n");
    int choice;
    scanf("%d",&choice);
    int x[20];
    int m ;
    /*initialization array*/
    for(m = 0; m < 20; m++)
    {
        x[m] = 5;
    }

    for(m = 4; m < 18; m++)
    {
        /*this statement is either dependent on itself or not*/
        x[m] = x[change(m,choice)] + 4;
    }
    printf("ninth element of array x is %d \n",x[9]);
    return 1;
}

int change(int subscript, int choice)
{
    if(choice == 0)
        return (subscript - 2);
    else return 19;
}
```