

Se i e j são variáveis inteiras e p e q ponteiros para int, quais das seguintes expressões de atribuição são ilegais?

- a. `p = &i;`
- b. `*q = &j;`
- c. `p = &*&i;`
- d. `i = (*&)j;`
- e. `i = *&j;`
- f. `i = &&j;`
- g. `q = *p;`

Input:

```
#include <stdio.h>

int main(void) {
    int i;
    int j;
    int *p;
    int *q;
    //a.
    p = &i;
    //b.
    *q = &j;
    //c.
    p = &*&i;
    //d.
    i = (*&)j;
    //e.
    i = *&j;
    //f.
    i = &&j;
    //g.
    q = *p;

    return 0;
}
```

Output:

```
❯ clang-7 -pthread -lm -o main main.c
main.c:11:4: warning: incompatible pointer to integer conversion assigning to 'int' from 'int *'; remove & [-Wint-conversion]
*q = &j;
    ^
main.c:15:8: error: expected expression
i = (*&)j;
    ^
main.c:19:3: warning: incompatible pointer to integer conversion assigning to 'int' from 'void *' [-Wint-conversion]
i = &&j;
    ^
main.c:21:3: warning: incompatible integer to pointer conversion assigning to 'int *' from 'int'; remove * [-Wint-conversion]
q = *p;
    ^
main.c:19:7: error: use of undeclared label 'j'
i = &&j;
    ^

3 warnings and 2 errors generated.
exit status 1
❯
```

As expressões b, d, f e g são ilegais.