

# Exercice

- Soit le programme C++ suivant, complétez le tableau pour chaque instruction du programme :

```
int a = 1;
int b = 2;
int c = 3;
int* p1, * p2;
int main() {
    p1 = &a;
    p2 = &c;
    *p1 = (*p2)++;
    p1 = p2;
    p2 = &b;
    (*p1) -= *p2;
    ++(*p2);
    (*p1) *= *p2;
    a = (++(*p2)) * (*p1);
    p1 = &a;
    *p2 = ((*p1) /= (*p2));
    return 0;
}
```

a	b	c	P1	P2
1	2	3	&a	&c
.....				

# Solution

```
int a = 1;
int b = 2;
int c = 3;
int* p1, * p2;
int main() {
    p1 = &a;
    p2 = &c;
    *p1 = (*p2)++;
    p1 = p2;
    p2 = &b;
    (*p1) -= *p2;
    ++(*p2);
    (*p1) *= *p2;
    a = (++(*p2)) * (*p1);
    p1 = &a;
    *p2 = ((*p1) /= (*p2));
    return 0;
}
```

a	b	c	P1	P2
1	2	3	&a	&c
3	2	4	&a	&c
3	2	4	&c	&c
3	2	4	&c	&b
3	2	2	&c	&b
3	3	2	&c	&b
3	3	6	&c	&b
24	4	6	&c	&b
24	4	6	&a	&b
6	6	6	&a	&b