

```
unsigned int a = 3;
unsigned int b = 5;
unsigned int c = 6;
unsigned int d = 4;

unsigned int max_ab;
unsigned int max_cd;

void main ()
{
    calcul ();
}

void calcul () {
    register unsigned int e;
    register unsigned int f;
    register unsigned int max_ef;

    e = 5;
    f = 6;

    // calculer max(a,b)
    max_ef = e;
    if (f > max_ef)
        max_ef = f;

    // max_ab= max(a,b)
    // x_de_max2=a, y_de_max2=b
    //maxi de max2=&max_ab
    max2(a,b,&max_ab);

    // max_cd=max(c,d)
    // x_de_max2=c, y_de_max2=d
    // maxi de max2=&max_ab
    max2(c,d,&max_cd);
}

void max2 (unsigned int x,
           unsigned int y,
           unsigned int *maxi) {
    register unsigned int rmax;
    rmax = x;
    if (y > rmax)
        rmax = y;
    *maxi = rmax
}
}
```