

```
int i;
i = 0;
while (i <= size)
{
    if (y + size >= map.line_nbr || map.tab[y + size][x + i] != map.empty)
        return (size);
    if (y + i >= map.line_nbr || map.tab[y + i][x + size] != map.empty)
        return (size);
    i++;
}
return (calc_size_square(y, x, map, size + 1));
```

```
square = init_square(0, 0, -1);
y = 0;
while (y < map->line_nbr - square.size)
{
    x = 0;
    while (x < map->line_size - square.size)
    {
        tmp = calc_size_square(y, x, *map, 0);
        if (tmp > square.size)
            square = init_square(y, x, tmp);
        x++;
    }
    y++;
}
```