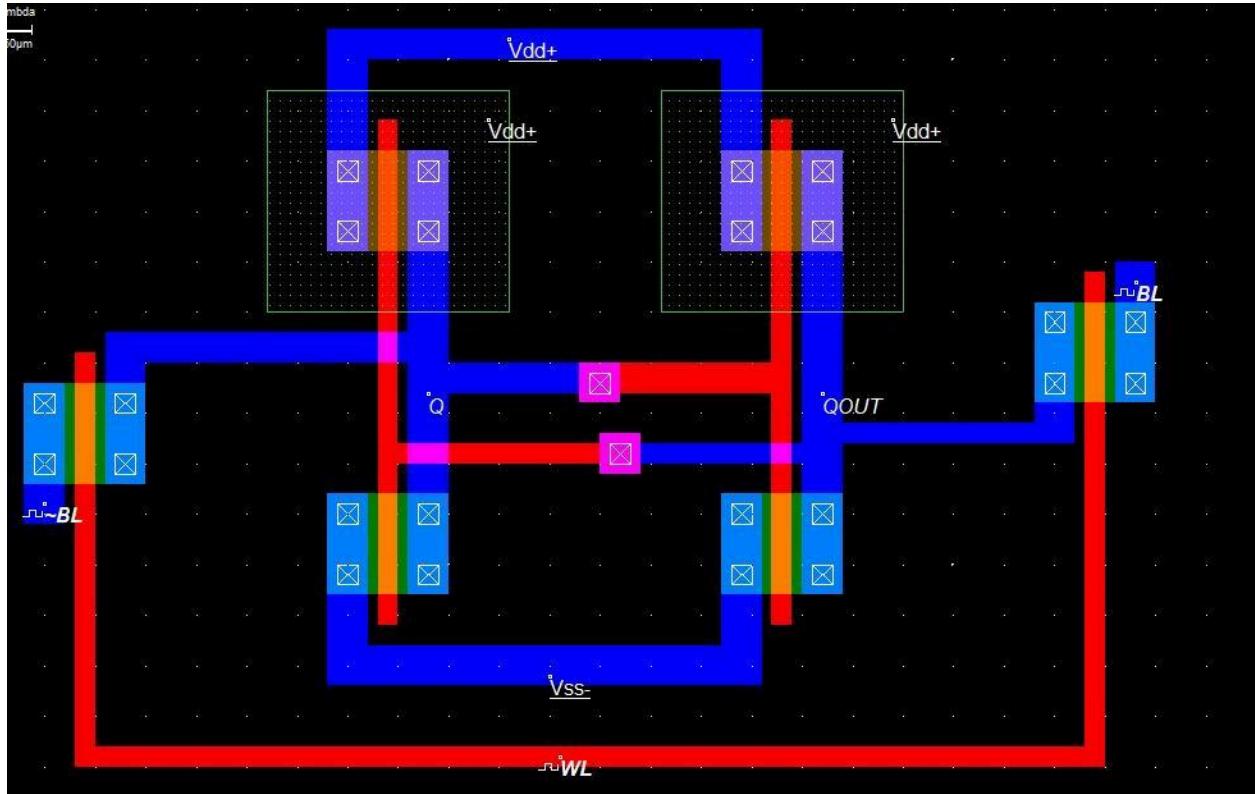


Circuit diagram :



Output:

