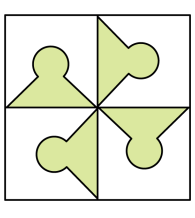
1. 다음 무늬는 어떤 한 가지 모양을 이어 붙여 만든 것입니다. 다음 중에서 어떤 규칙을 사용한 것입니까?



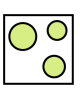
① 밀기 ② 뒤집기 ③ 돌리기

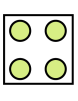
④ 밀고 뒤집기 ⑤ 뒤집고 돌리기

2. 다음 무늬 중에서 돌리기를 할 때와 뒤집기를 할 때, 원래의 모양과 같은 모양이 되지 <u>않는</u> 무늬는 어느 것인지 모두 골라라.

①

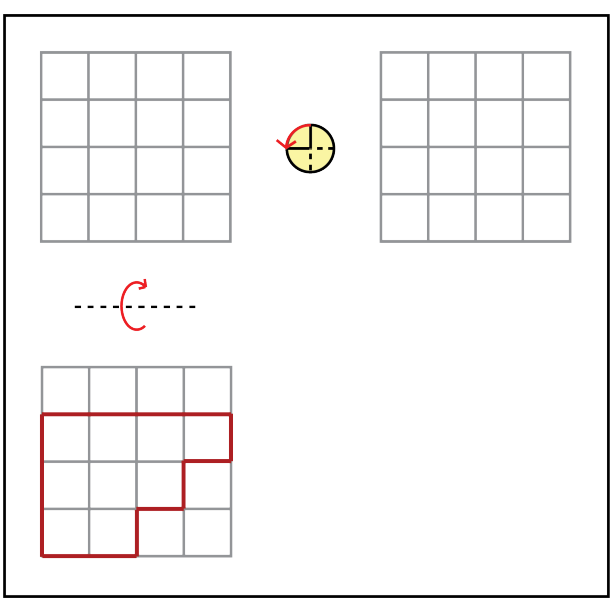
②

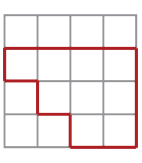
③ 

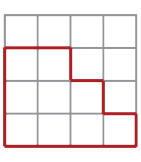
④ 

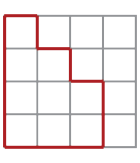
⑤

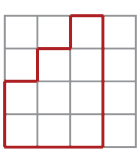
3. 도형을 위쪽으로 뒤집고 시계 반대 방향으로 90°만큼 돌렸을 때의 도형은 어느 것입니까?

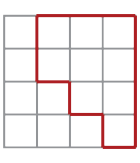


① 

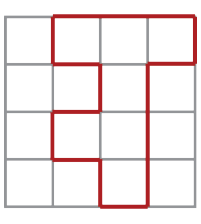
② 

③ 

④ 

⑤ 

4. 도형을 아래쪽으로 뒤집고 시계 반대 방향으로 270 °만큼 돌렸을 때의 도형은 어느 것입니까?



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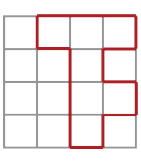

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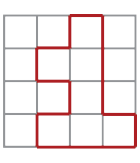

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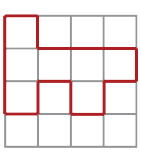

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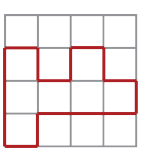

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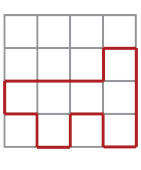
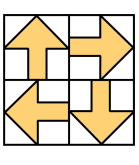
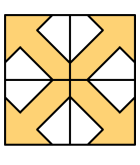
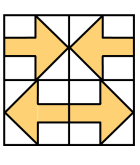
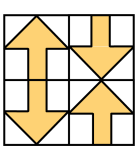


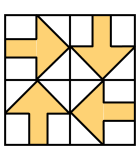
5. 보기의 모양을 돌리기 한 모양이 아닌 것을 고르시오.

① 

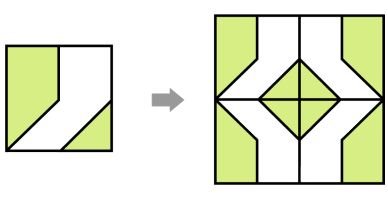
② 

③ 

④ 

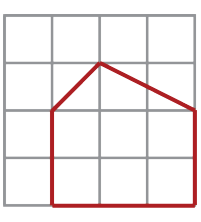
⑤ 

6. 다음 무늬들은 아래 모양을 어떻게 움직여서 만든 것인지 쓰시오.



답: _____

7. 도형을 시계 방향으로 270°만큼 돌리고 위쪽으로 뒤집었을 때의 도형은 어느 것입니까?



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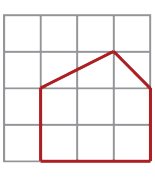

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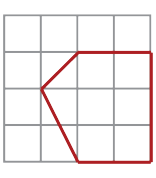

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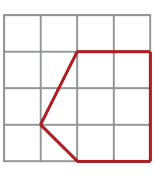

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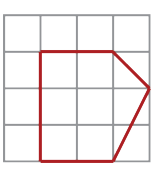

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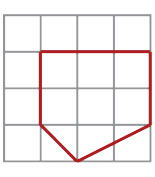
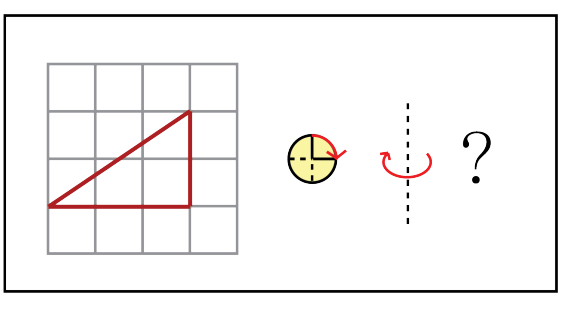
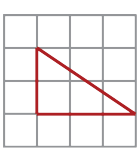
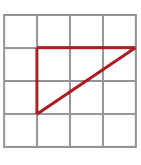
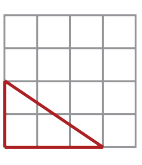


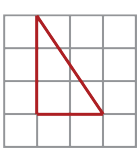
8. 도형을 시계 방향으로 90°만큼 돌리고 왼쪽으로 뒤집었을 때의 도형은 어느 것입니까?

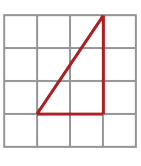


① 

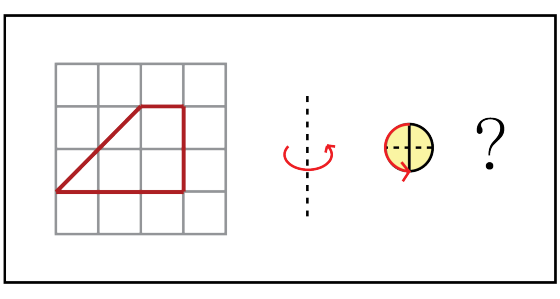
② 

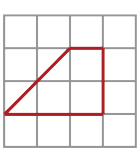
③ 

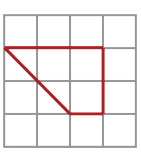
④ 

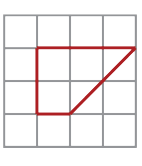
⑤ 

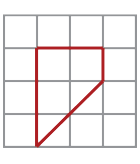
9. 도형을 오른쪽으로 뒤집고 시계 반대 방향으로 180°만큼 돌렸을 때의 도형은 어느 것입니까?

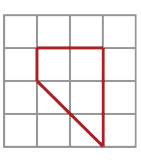


① 

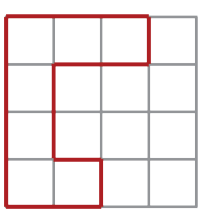
② 

③ 

④ 

⑤ 

10. 도형을 아래쪽으로 뒤집고 시계 방향으로 180°만큼 돌렸을 때의 도형은 어느 것입니까?



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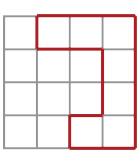

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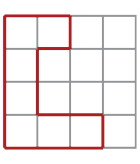

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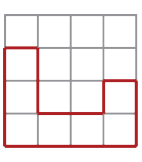

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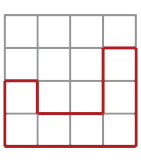

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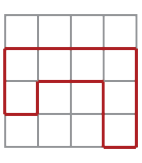
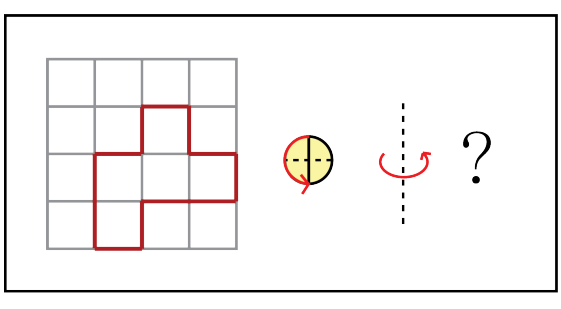


11. 도형을 시계 반대 방향으로 180°만큼 돌리고 오른쪽으로 뒤집었을 때의 도형은 어느 것입니까?



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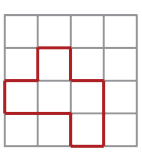

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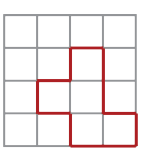

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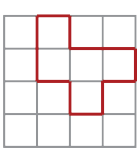
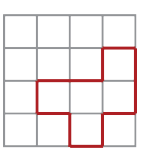


④


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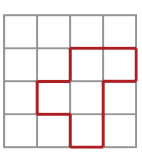
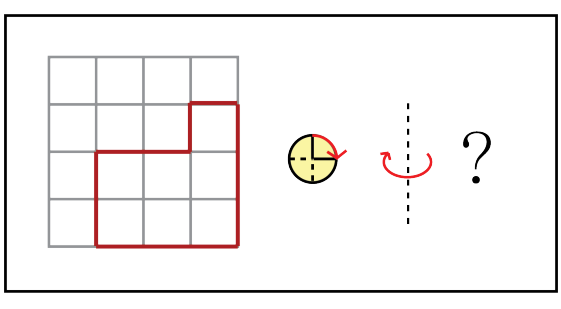


12. 도형을 시계 방향으로 90°만큼 돌리고 왼쪽으로 뒤집었을 때의 도형은 어느 것입니까?



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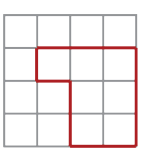
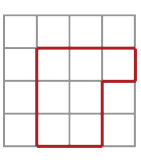


②


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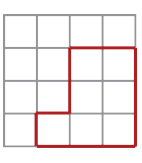

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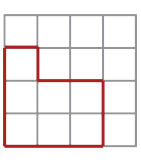

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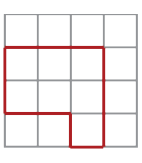
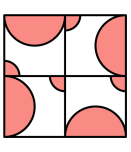
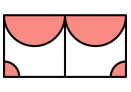
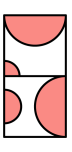
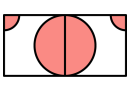


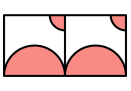
13. 다음 모양을 밀기, 뒤집기, 돌리기를 하여 이어 붙여서 무늬를 만들 때, 만들 수 없는 무늬는 어느 것입니까?

① 

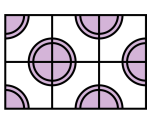
② 

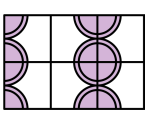
③ 

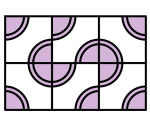
④ 

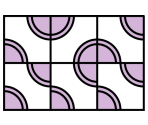
⑤ 

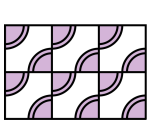
14. 다음 모양을 이어 붙여서 만들 수 없는 무늬는 어느 것입니까?

① 

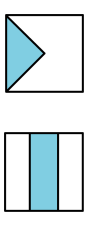
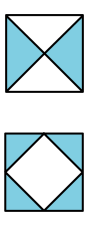
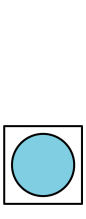
② 

③ 

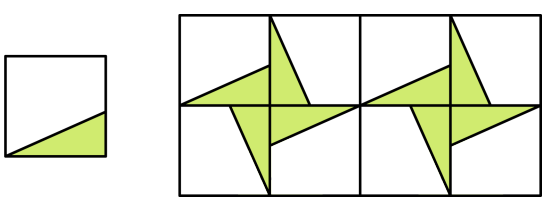
④ 

⑤ 

15. 다음 중 뒤집기 한 모양과 밀기 한 모양이 다르게 될 수 있는 것을 고르시오.

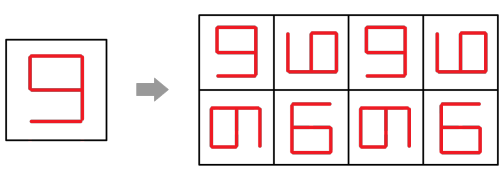
① 
② 
③ 
④
⑤

16. 다음 무늬 만들기에서 사용한 모든 방법을 고르시오.



① 밀기
② 밀기, 뒤집기
③ 뒤집기, 돌리기
④ 뒤집기
⑤ 밀기, 돌리기

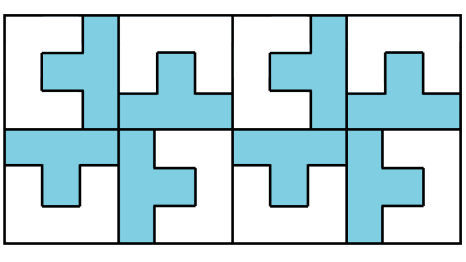
17. 왼쪽 모양을 어떻게 하여 이어 붙이면 오른쪽 무늬가 되겠는지 모두 쓰시오.

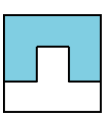


답: _____

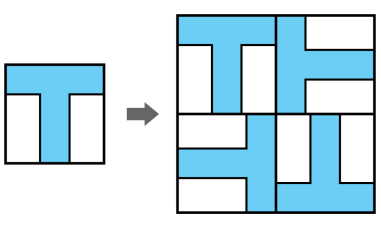
답: _____

18. 다음 무늬는 어떤 모양을 돌리기 한 것입니까?



①
②
③
④
⑤ 

19. 오른쪽 무늬는 왼쪽의 모양을 한 가지 방법으로 움직여서 만든 무늬입니다. 어떻게 움직여서 만든 것입니까?



① 밀기 ② 뒤집기 ③ 돌리기

④ 밀고 뒤집기 ⑤ 뒤틀기

20. 다음 모양을 돌리기 하여 나올 수 있는 모양이 <u>아닌</u> 것을 모두 고르시오.

①

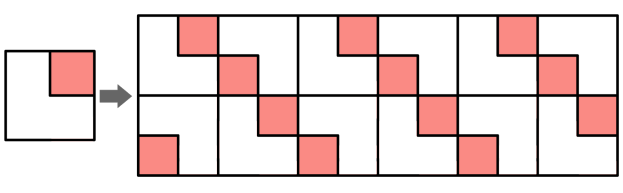
②

③

④

⑤

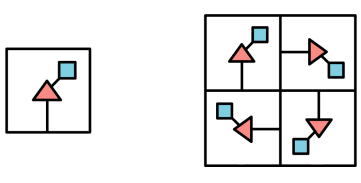
21. 왼쪽의 모양을 이용하여 무늬를 만들었습니다. 다음 중 이용하지 않은 방법은 어느 것입니까?



① 밀기 ② 뒤집기 ③ 돌리기

④ 뒤틀기 ⑤ 자르기

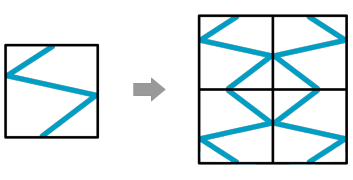
22. 오른쪽의 무늬는 왼쪽의 모양을 한 가지 방법으로 움직여서 만든 무늬입니다. 어떻게 움직여서 만든 것입니까?



① 밀기 ② 뒤집기 ③ 돌리기

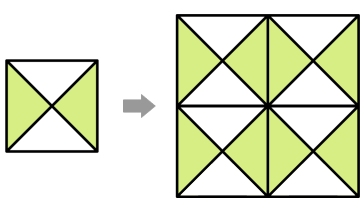
④ 밀고 뒤집기 ⑤ 뒤틀기

23. 왼쪽 모양을 어떻게 하여 이어 붙이면 오른쪽 무늬가 되겠는지 쓰시오.



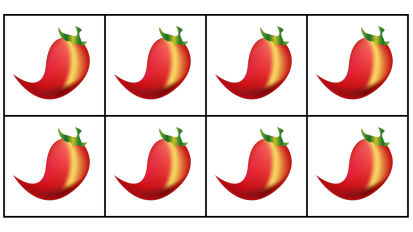
답: _____

24. 다음 무늬는 주어진 모양을 어떻게 사용하여 만들었습니까?



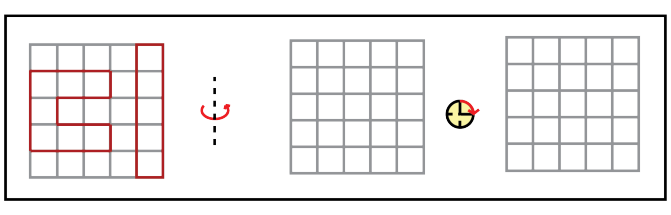
답: _____

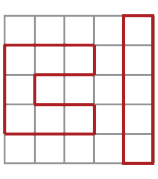
25. 다음 무늬는 어떤 방법을 이용하여 만든 것입니까?



① 뒤집기 ② 돌리기 ③ 밀기
④ 겹치기 ⑤ 뒤틀기

26. 도형을 오른쪽으로 뒤집고 시계 방향으로 90 °만큼 돌렸을 때의 도형은 어느 것입니까?



①


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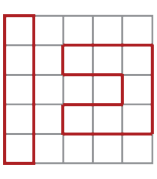

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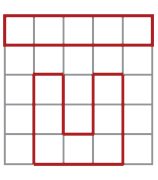

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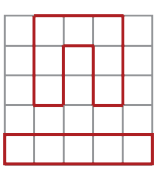

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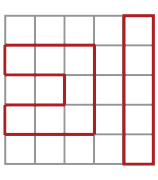
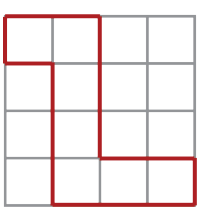


27. 도형을 위쪽으로 2번 뒤집고 시계 방향으로 180°만큼 돌렸을 때의 도형은 어느 것입니까?



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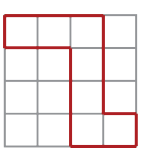

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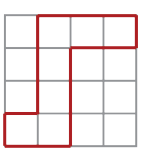

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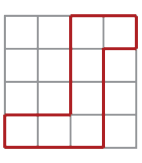

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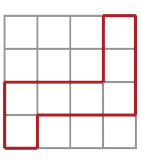

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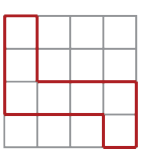
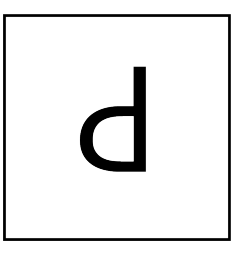
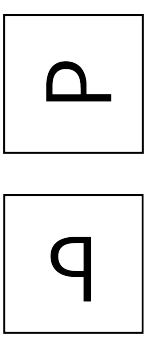
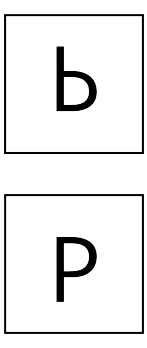
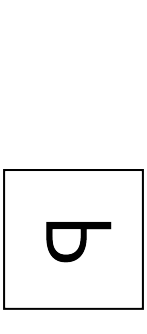


28. 알파벳 p를 시계 방향으로 180°만큼 돌리고 왼쪽으로 뒤집었을 때의 도형은 어느 것입니까?



① 

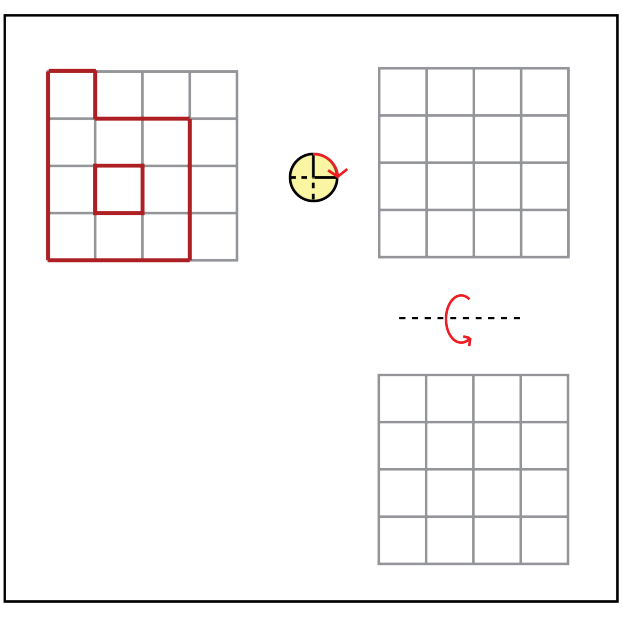
② 

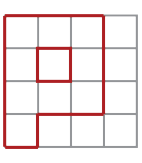
③ 

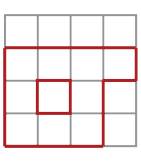
④

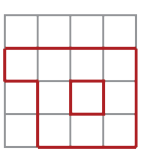
⑤

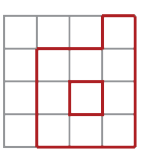
29. 도형을 시계 방향으로 90°만큼 돌리고 아래쪽으로 뒤집었을 때의 도형은 어느 것입니까?

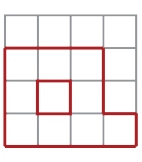


① 

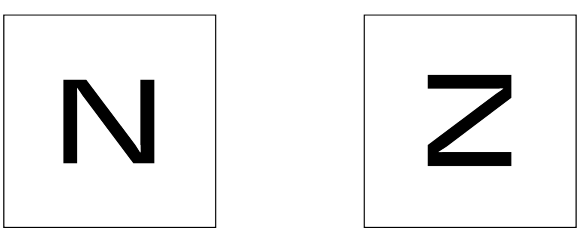
② 

③ 

④ 

⑤ 

30. 왼쪽 도형을 움직여 오른쪽 도형이 되었을 때, 이동으로 알맞은 것을 모두 고르시오.

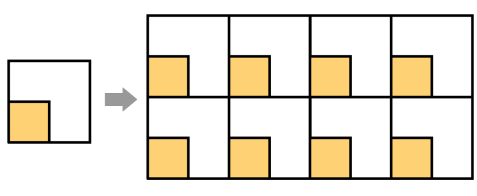


㉠ 시계 방향으로 90°돌리기
㉡ 시계 반대 방향으로 90°돌리기
㉢ 시계 방향으로 180°돌리고 왼쪽으로 뒤집기
㉣ 위쪽으로 뒤집고 시계 방향으로 270°돌리기

답: _____

답: _____

31. 다음 무늬는 주어진 모양을 어떻게 사용하여 만들었습니까?



답: _____