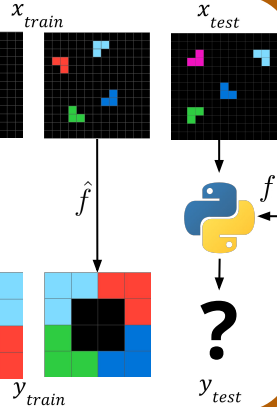


ARC task



Program solution

```
def transform(grid_lst: List[List[int]]):  
    output = [[0]*4 for _ in range(4)] # prepare output  
    n, m = len(grid_lst)-1, len(grid_lst[0])-1  
    for c in set(sum(grid_lst, [])): # loop over colors  
        for i, j in [(i, j) for i in range(n) for j in range(m)]:  
            if grid_lst[i][j]==c: # color found  
                if grid_lst[i+1][j+1]==0: # top left  
                    output[0][0]=output[0][1]=output[1][0]=c  
                elif grid_lst[i+1][j]==0: # top right  
                    output[0][2]=output[0][3]=output[1][3]=c  
                elif grid_lst[i][j+1]==0: # bottom left  
                    output[2][0]=output[3][0]=output[3][1]=c  
                else: # bottom right  
                    output[2][3]=output[3][2]=output[3][3]=c  
            break  
    return output
```

Search

