

Generalisation

```
for i in range(I):  
    for j in range(J):  
        # do thing
```

$\xrightarrow{\text{group}(G)}$

```
for g in range(G):  
    for i in range(I//G*g, I//G*g+1):  
        for j in range(J//G*g, J//G*g+1):  
            # do thing
```