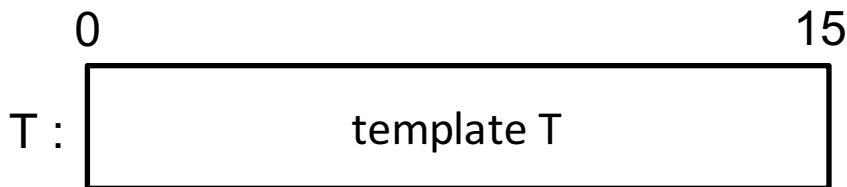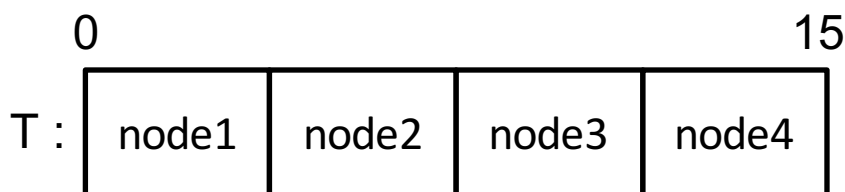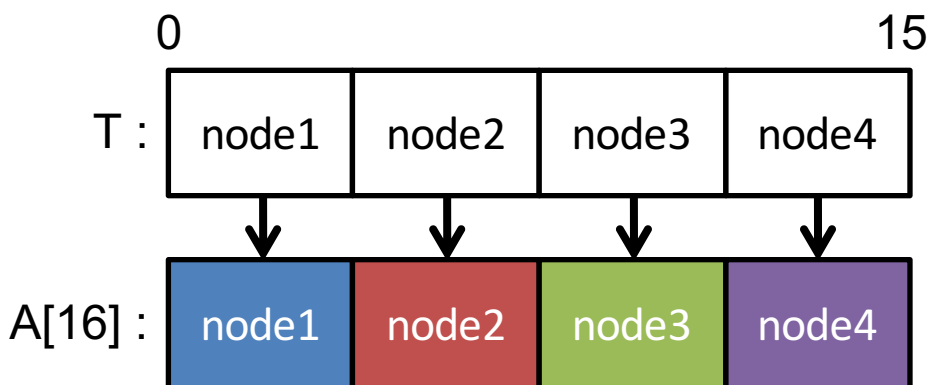```
int A[16], res;
#pragma xmp nodes P(4)
#pragma xmp template T(0:15)
```

```
       0                                    15

   T :  |            template T             |
```

```
#pragma xmp distribute T(block) onto P
```

```
       0                                    15

   T :  | node1  | node2  | node3  | node4  |
```

```
#pragma xmp align A[i] with T(i)
```

```
       0                                    15

   T :  | node1  | node2  | node3  | node4  |
```

A[16] : | node1 | node2 | node3 | node4 |

```
#pragma xmp loop(i) on T(i) reduction(+:res)
for (int i = 0; i < 16; i++) {
   A[i] = func(i);
   res += A[i];
}
```