

---

---

---

---

---



백준 1197

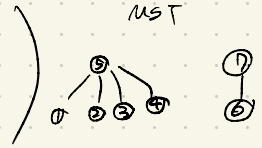
임의

1 2  
2 3  
3 4  
1 5  
6 7  
⋮  
⋮

step 1 1 2  
step 2 2 3  
step 3 3 4  
step 4 1 5  
step 5 6 7

Union-Find

①-②  
①-②-③  
①-②-③-④  
①-②-③-④-⑤  
①-②-③-④-⑤  
①-②



pseudo  
code

```

n의 루트 찾기
int find (int n)
{
    if (arr[n] == n)
        return arr[n];
    return find (arr[n]);
}
    
```

```

void Union (int a, int b)
{
    a = find (a);
    b = find (b);
    if (a != b) => 루트 다르면 연결
    {
        arr[a] = b;
    }
}
    
```