# PRIM'S ALGORITHM

```
Algorithm Prim(N, E)
{
    T := {};
    r := root vertex;
    B := {r};
    while(B != N) do
    {
        find e := cost{u, v} of minimum length such that
            u Є B and v Є (N - B);
        Add e to T;
        Add v to B;
    }
    return(T);
}
```