```
def Prim-MST (G.w.r): // r=voot, reA
for u in G.V:
    key[u] = 00
    M[U] = NULL // ple prédérêteur
 Q = Queue (G.V) // predbiha se na zaklate priority
key[r] = 0
 while not Q.empty() // U poli key
    u = Q. deque() // uzel s nginizsim beg
    for v in Adj[u]:
        if veQ and w(u,v) < key[v]:
          M = [n] = N
           key(v) = w (u,v)
```