













+ Prim's Algorithm	
prim(g) {	
// initialization	
pick start node r	
foreach(u in $V - \{r\}$) key[u] = ∞	
<pre>key[r] = 0; parent[r] = null; add all vertices to 0 (by key)</pre>	
add all vertices to Q (by key)	
<pre>// each iteration adds one node to MST</pre>	
<pre>while(!Q.empty()){</pre>	
$u = \min node from Q$	
foreach v adjacent to u	
if v in Q and edge_weight(u,v) < key[v]	
<pre>parent[v] = u; key[v] = edge_weight(u,v)</pre>	
adjust priority of v in Q	
}	
recurn parenc	
}	











