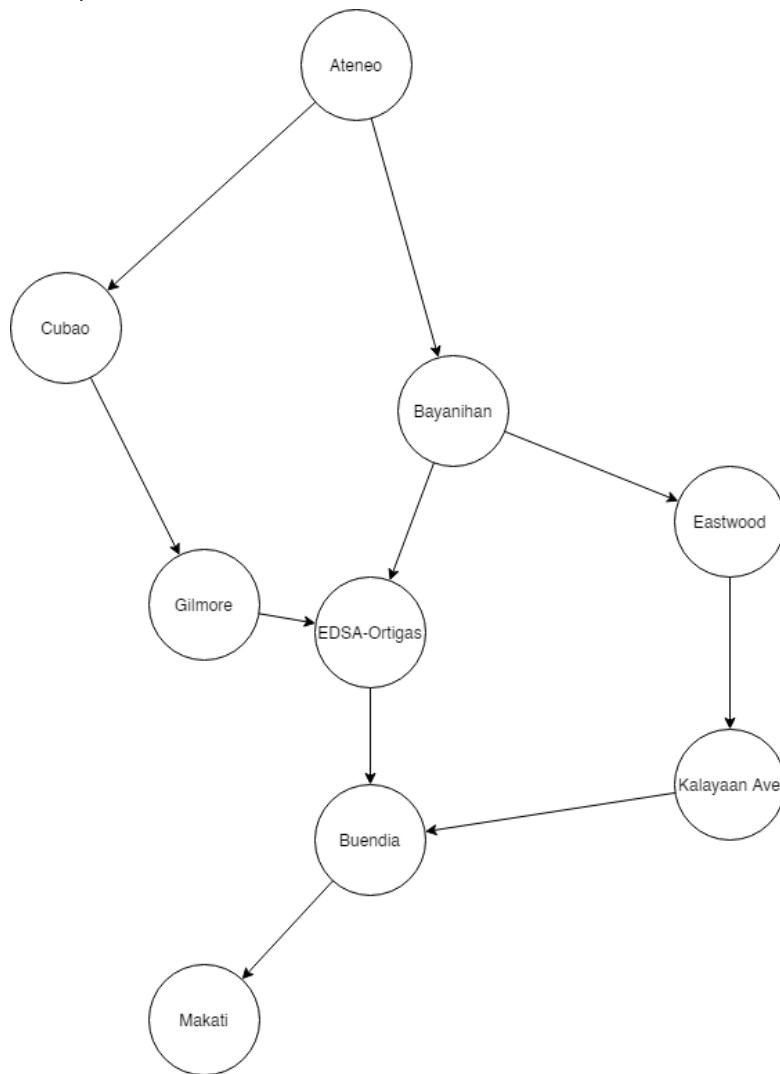


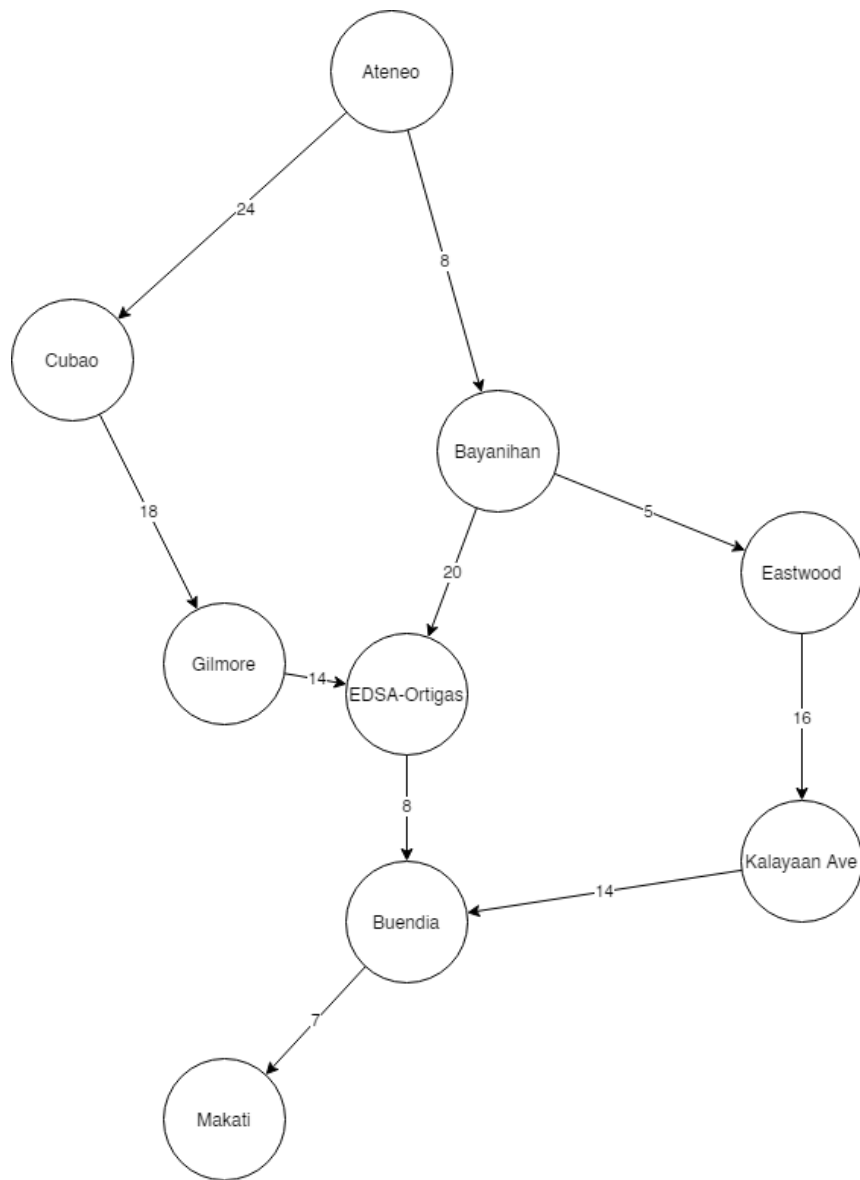
1.)



$V = [\text{Ateneo}, \text{Cubao}, \text{Gilmore}, \text{EDSA-Ortigas}, \text{Buendia}, \text{Makati}, \text{Bayanihan}, \text{Eastwood}, \text{Kalayaan Ave}]$

$E = [\{\text{Ateneo}, \text{Cubao}\}, \{\text{Cubao}, \text{Gilmore}\}, \{\text{Gilmore}, \text{EDSA-Ortigas}\}, \{\text{EDSA-Ortigas}, \text{Buendia}\}, \{\text{Buendia}, \text{Makati}\}, \{\text{Ateneo}, \text{Bayanihan}\}, \{\text{Bayanihan}, \text{EDSA-Ortigas}\}, \{\text{Bayanihan}, \text{Eastwood}\}, \{\text{Eastwood}, \text{Kalayaan Ave}\}, \{\text{Kalayaan Ave}, \text{Buendia}\}]$

2.)



\*edge weights are in **minutes**

$V = [\text{Ateneo}, \text{Cubao}, \text{Gilmore}, \text{EDSA-Ortigas}, \text{Buendia}, \text{Makati}, \text{Bayanihan}, \text{Eastwood}, \text{Kalayaan Ave}]$

$E = [\{\text{Ateneo}, \text{Cubao}: 24\}, \{\text{Cubao}, \text{Gilmore}: 18\}, \{\text{Gilmore}, \text{EDSA-Ortigas}: 14\}, \{\text{EDSA-Ortigas}, \text{Buendia}: 8\}, \{\text{Buendia}, \text{Makati}: 7\}, \{\text{Ateneo}, \text{Bayanihan}: 8\}, \{\text{Bayanihan}, \text{EDSA-Ortigas}: 20\}, \{\text{Bayanihan}, \text{Eastwood}: 5\}, \{\text{Eastwood}, \text{Kalayaan Ave}: 16\}, \{\text{Kalayaan Ave}, \text{Buendia}: 14\}]$