**Assigment 3**

**Câu 1**:

Greedy

PQ = {S(6)}

PQ = {A(4), F(4), B(5)}

PQ = {C(2), D(2), F(4), B(5)}

PQ = {G(0), D(2), F(4), B(5)}

PQ = {D(2), F(4), B(5)}

Đường đi: S > A > C > G

A\*

PQ = {S(6)}

PQ = {A(6), B(6) , F(7)}

PQ = {C(6), B(6), F(7), D(7)}

PQ = {B(6), F(7), D(7), G(8)}

PQ = {D(5), F(7), D(7), G(8), E(16)}

PQ = {G(7), F(7), D(7), E(16)}

PQ = {F(7), D(7), E(16)}

Đường đi: S > B > D > G

**Câu 2**:

H1:

PQ = {A(9.5)}

PQ = {B(10), C(12)}

PQ = {C(10), D(13)}

PQ = {D(12)}

PQ = {F(12), G{14}, E(14.5)}

PQ = {G(13), E(14.5)}

PQ = {E(14.5)}

Đường đi: A > B > C > D > F > G

H2:

PQ = {A(10)}

PQ = {B(13), C(14)}

PQ = {C(12), D(14)}

PQ = {D(13)}

PQ = {F(12.5) , E(14), G{14}}

PQ = {G(13), E(14)}

PQ = {E(14)}

Đường đi: A > B > C > D > F > G

Câu 3:

H(a) = 4 H(e) = 3 H(k) = 2 H(q) = 3

H(b) = 3 H(f) = 5 H(m) = 1 H(r) = 2

H(c) = 3 H(s) = 4 H(n) = 2 H(t) = 1

H(d) = 2 H(h) = 3 H(p) = 4 H(g) = 0

PQ = {s(4)}

PQ = {h(4), f(6) }

PQ = {k(4), f(6)}

PQ = {f(6), c(6)}

PQ = {c(6), p(6)}

PQ = {p(6), a(8)}

PQ = {q(6), a{8}}

PQ = {r(6), a{8}}

PQ = {t(6), a{8}}

PQ = {g(6), a{8}}

PQ = {a{8}}

Đường đi: s > f > p > q > r > t > g