#include <stdio.h>

#define inf 1000000000.0

int n;

int f[1010];

int e[20010][2];

double w[20010];

int g[1010][1010];

double d[2010];

bool check(double k)

{

int m=0, i, j;

for (i = 0; i < n; i++)

for (j = 0; j < n; j++)

if (g[i][j])

{

e[m][0] = (i<<1)|1;

e[m][1] = j<<1;

w[m++] = g[i][j];

}

for (i = 0; i < n; i++)

{

e[m][0] = i<<1;

e[m][1] = e[m][0]|1;

w[m++] = -f[i]/k;

}

for (i = 0; i < n; i++)

d[i] = inf;

for (i = 0; i+1 < n; i++)

for (j = 0; j < m; j++)

if (d[e[j][1]] > d[e[j][0]]+w[j])

d[e[j][1]] = d[e[j][0]]+w[j];

for (i = 0; i < m; i++)

if (d[e[i][1]] > d[e[i][0]]+w[i])

return 1;

return 0;

}

int main()

{

freopen("sightsee.in", "r", stdin);

freopen("sightsee.out", "w", stdout);

double l, r, k;

int m, p, q, t, i;

scanf("%d%d", &n, &m);

for (i = 0; i < n; i++)

scanf("%d", f+i);

for (i = 0; i < m; i++)

{

scanf("%d%d%d", &p, &q, &t);

if (g[p-1][q-1] == 0 || g[p-1][q-1] > t)

g[p-1][q-1] = t;

}

l = 0.0;

r = 1000.0;

for (i = 0; i < 30; i++)

{

k = (l+r)/2.0;

if (check(k))

l = k;

else

r = k;

}

printf("%.2lf\n", k);

return 0;

}