ASSIGNMENT !

#include <stdio.h>

int main() {

int n;

float s, t, q;

printf("Enter number of processes (n): ");

scanf("%d", &n);

printf("Enter context switch time (s in seconds): ");

scanf("%f", &s);

printf("Enter max time to ensure fairness (t in seconds): ");

scanf("%f", &t);

q = (t - s) / n;

if (q <= 0) {

printf("Quantum too small! Try larger t or smaller s.\n");

} else {

printf("Optimal quantum size to minimize overhead: %.4f seconds\n", q);

}

return 0;

}