

```
void main (string [3 args])
```

```
{ int no_of_queries, storage, output, pkt_size;
```

```
int input_pkt_size, bucket_size, size_left.
```

```
storage = 0
```

```
no_of_queries = 4;
```

```
int_pkt_size = 4
```

```
output_pkt_size = 1;
```

```
for (int i = 0; i < no_of_queries; i++)
```

```
{ size_left = bucket_size - storage;
```

```
if (input_pkt_size ≤ size_left)
```

```
{ storage += input_pkt_size;
```

```
cout ( " Buffer size + " storage );
```

```
;
```

```
else {
```

```
cout ( " Packet loss = " + (input_pkt_size - size_left)
```

```
storage = bucket_size;
```

```
cout ( " Buffer size: " + storage " out of bucket size " bucket_size
```

```
storage -= output_pkt_size;
```