Part a) 
$$log log n$$

void fl (int n)

 $log log n$ 

Void fl (int n)

 $log log n$ 
 $log n$ 
 $log$ 

Part b)

void 
$$f^{2}(intn)$$

for  $(int \ uzo; uze \ parc (i,3); urr)$ 
 $g^{2}$ 
 $g^$ 

Part ()

for (intial; ic=n; int) {  $e^{n^2}$   $e^{n^2}$ for (intial; ic=n; int) {  $e^{n^2}$   $e^{n^2}$ for (intial; ic=n; int) {  $e^{n^2}$   $e^{n^2}$   $e^{n^2}$ for (intial; ic=n; intial) {  $e^{n^2}$   $e^{n^2}$ 

```
Part d
     int f (intn)
  E int *a = new Int [10]; KO(1)
                      { if (i cz size) @ Q(1)
                                          2 Int new size = 3.4.5120/2
                                                           int &b = new mt Crewstze ];
                                                        for (int j=0; j csize; j++)
                                   · { bci] = aci];
                                                                delek [] 9;
                                                            9=6;
Spe = ve_size;
                                      9ci] = i *i; n= 12 k=1 n < 10 size = 10
5:20 10 15 22 33 99 73 169

n 10 15 22 00 50 60 70 80

Will 1 2 3 4 5 5 5 6
       10(3/2) = 1
                                \frac{1}{10} = \frac{100}{10} = \frac{100
```