for i=0 to n {
for j=1 to n {
for k=1 to 4 {
method(i,j,k);
}
}

(nfn) · n·4·Tid (method)

O(n²) · Tid (method)

= konstant = avhengig au instans

```
= avhenging au
BinarySearch(A[0..N-1], value, low, high) {
      if (high < low)
          return not_found
      mid = (low + high) / 2
                                                            instans
      if (A[mid] > value)
          return BinarySearch(A, value, low, mid-1)
      else if (A[mid] < value)
          return BinarySearch(A, value, mid+1, high)
      else
          return mid
  }
                                                 logz(n)
           A(M) = C+ A(2)
                 = c + c + {(4)
                                                "thor wange garger
                  =c+c +c + (8)
                   = ct .... + c + f(1)
                                                à gage 2 red seg
selv for à fi n".
                                                Hvor ofte dele n
på 2 jarå få
                    = c+ ... +c + c
log_2(a)
```

= c. log(n)