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Deduce the complexity of the following function, called as  $p(x, 1, n)$ .

```
subalgorithm p(x,s,d) is:
  if s < d then
    m ← [(s+d)/2]
    for i ← s, d-1, execute
      @elementary operation
    end-for
    for i ← 1,2 execute
      p(x, s, m)
    end-for
  end-if
end-subalgorithm
```

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