Hard drive request scheduling

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Drive model

Operating system

Internal queue

Disk drive

Platter
Drive model

- Operating system
- Internal queue
- Disk drive
- Platter
### Scheduling

<table>
<thead>
<tr>
<th>Operation</th>
<th>Start Block</th>
</tr>
</thead>
<tbody>
<tr>
<td>Read 4 blocks</td>
<td>100</td>
</tr>
<tr>
<td>Read 1024 blocks</td>
<td>10000</td>
</tr>
<tr>
<td>Write 10 blocks</td>
<td>500</td>
</tr>
<tr>
<td>Read 10 blocks</td>
<td>300</td>
</tr>
<tr>
<td>Platter</td>
<td></td>
</tr>
</tbody>
</table>
Scheduling

- Read 4 blocks starting at 100
- Read 1024 blocks starting at 10000
- Write 10 blocks starting at 500
  
- Read 10 blocks starting at 300

Platter
Scheduling

Read 4 blocks starting at 100

Read 1 blocks starting at 20

Write 10 blocks starting at 500

Read 10 blocks starting at 300

Platter