From left to right:

<table>
<thead>
<tr>
<th>Location</th>
<th>Substituents</th>
<th>Name</th>
<th>How Many</th>
</tr>
</thead>
<tbody>
<tr>
<td>C2</td>
<td>-CH₃</td>
<td>methyl</td>
<td>1</td>
</tr>
<tr>
<td>C4</td>
<td>-CH₃</td>
<td>methyl</td>
<td>1</td>
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</table>

C2' has two substituents; choose the direction from right to left. C2 has one substituent. First point of difference!!
4-bromo-2,2-dimethylpentane

From left to right:

Locate Sub Name How many

C1  - Br  bromo  1

C4  - CH3  methyl  1

C4' - CH3  methyl  1

From right to left:

C2' - CH3  methyl  1

C2' - CH3  methyl  1

C1' - Br  bromo  1

C2' has one more substitute, C2' is the first point of difference!!

Direction is from right to left!
2-bromo-4-methylpentane

From left to right:

LOC  SUB

C₂  -Br  bromo  1
C₄  -CH₃  methyl  1

From right to left:

C₂'  -CH₃  methyl  1
C₄'  -Br  bromo  1

No point of difference can be found!!
both C₂ and C₂' have one substituent (Br or CH₃)

Use alphabetical order:
Bromo precede. Methyl