

0.1 Curly braces over and under equations

```

1 \begin{align}
2   x
3   = \overbrace{a \cdot b \cdot c}^{\text{explanation}}
4   + \underbrace{d \cdot e \cdot f}_{\text{explanation}}
5 \end{align}

```

$$x = \overbrace{a \cdot b \cdot c}^{\text{explanation}} + \underbrace{d \cdot e \cdot f}_{\text{explanation}} \quad (1)$$

0.1.1 Inside square root or \left & \right parentheses etc.

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1 \begin{align}
2   x
3   &= \sqrt{
4     \underbrace{a \cdot b \cdot c}_{\text{explanation}}
5   } \\
6   y &= \left[
7     \underbrace{d \cdot e \cdot f}_{\text{explanation}}
8     \right]
9 \end{align}

```

$$x = \sqrt{\underbrace{a \cdot b \cdot c}_{\text{explanation}}} \quad (2)$$

$$y = \left[\underbrace{d \cdot e \cdot f}_{\text{explanation}} \right] \quad (3)$$

0.1.2 Use smash to write explanation outside

```

1 \begin{align}
2   x
3   &= \sqrt{
4     \smash[b]{
5       \underbrace{a \cdot b \cdot c}_{\text{explanation}}
6     }
7   }

```

```

8      y &= \left[
9          \smash[b]{
10             \underbrace{d \cdot e \cdot f}_{\text{explanation}}
11          }
12      \right]
13 \end{align}

```

$$x = \sqrt{\underbrace{a \cdot b \cdot c}} \quad (4)$$

$$y = [\underbrace{\text{explanation}}_{\text{explanation}}] \quad (5)$$

0.1.3 Add vertical space

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1 \begin{align}
2   x
3     &= \sqrt{\smash[b]{\underbrace{a \cdot b \cdot c}_{\text{explanation}}}}
4
5 } \\
6
7 \qquad \qquad \qquad \ll[\backslash baselineskip]
8 y &= \left[ \smash[b]{\underbrace{d \cdot e \cdot f}_{\text{explanation}}} \right.
9
10
11 ]
12 \right]
13 \end{align}
```

$$x = \sqrt{\underbrace{a \cdot b \cdot c}_{\text{explanation}}} \quad (6)$$

$$y = [\underbrace{d \cdot e \cdot f}_{\text{explanation}}] \quad (7)$$