



$$dd = 0$$

$$d\overline{d\mathbf{1}\mathbf{x}\mathbf{1}} = d\overline{d\mathbf{1}\mathbf{x}\mathbf{1} - \mathbf{1}\mathbf{x}d\mathbf{1}} = d\overline{d\mathbf{1}\mathbf{x}\mathbf{1}} - d\overline{\mathbf{1}\mathbf{x}d\mathbf{1}} = \overline{d\mathbf{1}}\mathbf{x}\mathbf{1} + \overline{d\mathbf{1}\mathbf{x}}d\mathbf{1} - \overline{d\mathbf{1}\mathbf{x}d\mathbf{1}} + \mathbf{1}\mathbf{x}\overline{d\mathbf{1}} = 0$$