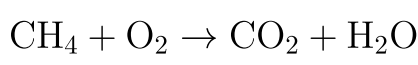
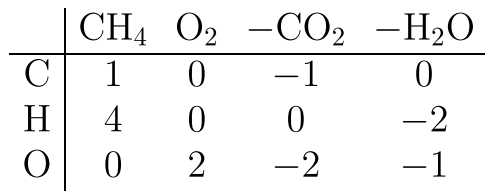


Balancing Chemical Equations

Balancing Chemical Equations



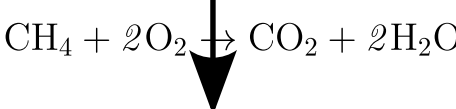
```
ElemS = [['C'], ['H'], ['O'], ['C'], ['O'], ['H'], ['O']]
FormulaS = [[[['C'], 1], [['H'], 4]], [['O'], 2]], [['C'], 1], [['O'],
2]], [['H'], 2], [['O'], 1]]
ElementSideSet = [[[['C'], ['H'], ['O']], [['C'], ['O'], ['H'], ['O']]]
Equation = [[[['C'], 1], [['H'], 4]], [['O'], 2]], [['C'], 1],
[['O'], 2]], [['H'], 2], [['O'], 1]]]
```



$$\begin{cases} 1a + 0b - 1c - 0d = 0 \\ 4a + 0b - 0c - 2d = 0 \\ 0a + 2b - 2c - 1d = 0 \end{cases}$$

$a = 1, b = 2, c = 1, d = 2$

Reverse Parsing



Performing Stoichiometric Calculations

Reaction Type Analysis