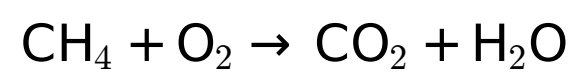


Balancing Chemical Equations



Parsing

```

B emS = [['C'], ['H'], ['O'], ['C'], ['O'], ['H'], ['O']]
For m aS = [[['C'], 1], [['H'], 4], [['O'], 2], [['C'], 1], [['O'],
2], [['H'], 2], [['O'], 1]]
B ement S deSet = [[['C'], ['H'], ['O']], [['C'], ['O'], ['H'], ['O']]]
Equation = [[[['C'], 1], [['H'], 4], [['O'], 2]], [[[['C'], 1],
['O'], 2], [['H'], 2], [['O'], 1]]]

```

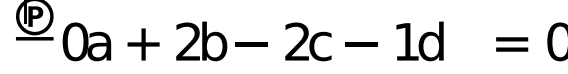
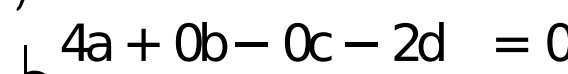
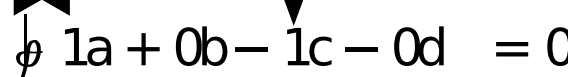
Matrix Tabulation



$\text{CH}_4 + \text{O}_2 \rightarrow \text{CO}_2 + \text{H}_2\text{O}$

Nononoon	4	0	0	-2
0	0	2	-2	-1

System of Linear Equations



Solving



Reverse Parsing



Reaction Type Analysis