

Code:

```
#include <bits/stdc++.h>
```

```
using namespace std;
```

```
class Node
```

```
{
```

```
public:
```

```
    string data;
```

```
    Node *left = NULL, *right = NULL;
```

```
    Node(string a)
```

```
    {
```

```
        data = a;
```

```
    }
```

```
};
```

```
int x(string s)
```

```
{
```

```
    int num = 0;
```

```
    if(s[0]!='-')
```

```
        for (int i=0; i<s.length(); i++)
```

```
            num = num*10 + (int(s[i])-48);
```

```
    else
```

```
        for (int i=1; i<s.length(); i++)
```

```
        {
```

```
            num = num*10 + (int(s[i])-48);
```

```
            num = num*-1;
```

```
    }

    return num;
}

int eval(Node* root)
{
    if (!root)
        return 0;

    if (!root->left && !root->right)
        return x(root->data);

    int l_val = eval(root->left);

    int r_val = eval(root->right);

    if (root->data=="+")
        return l_val+r_val;

    if (root->data=="-")
        return l_val-r_val;

    if (root->data=="*")
        return l_val*r_val;
    if (root->data=="/")
        return l_val/r_val;
```

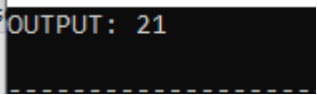
```
    return l_val/r_val;
}

int main()
{

    Node *root = new Node("+");
    root->left = new Node("/");
    root->left->left = new Node("*");
    root->left->left->left = new Node("2");
    root->left->left->right = new Node("3");
    root->left->right = new Node("-");
    root->left->right->left = new Node("2");
    root->left->right->right = new Node("1");
    root->right = new Node("*");
    root->right->left = new Node("5");
    root->right->right = new Node("-");
    root->right->right->left = new Node("4");
    root->right->right->right = new Node("1");
    cout <<"OUTPUT: "<< eval(root) << endl;

    return 0;
}
```

Output:

A terminal window with a black background and white text. The text 'OUTPUT: 21' is displayed in a monospaced font. The terminal has a standard Linux-style prompt character at the beginning of the line.