

```
struct fox *fox_search(struct rb_root *root, unsigned long ideal_length)
{
    struct rb_node *node = root->rb_node;

    while (node) {
        struct fox *a_fox = container_of(node, struct fox, node);

        int result;

        result = tail_compare(ideal_length, a_fox->tail_length);

        if (result < 0)
            node = node->rb_left;
        else if (result > 0)
            node = node->rb_right;
        else
            return a_fox;
    }
    return NULL;
}
```