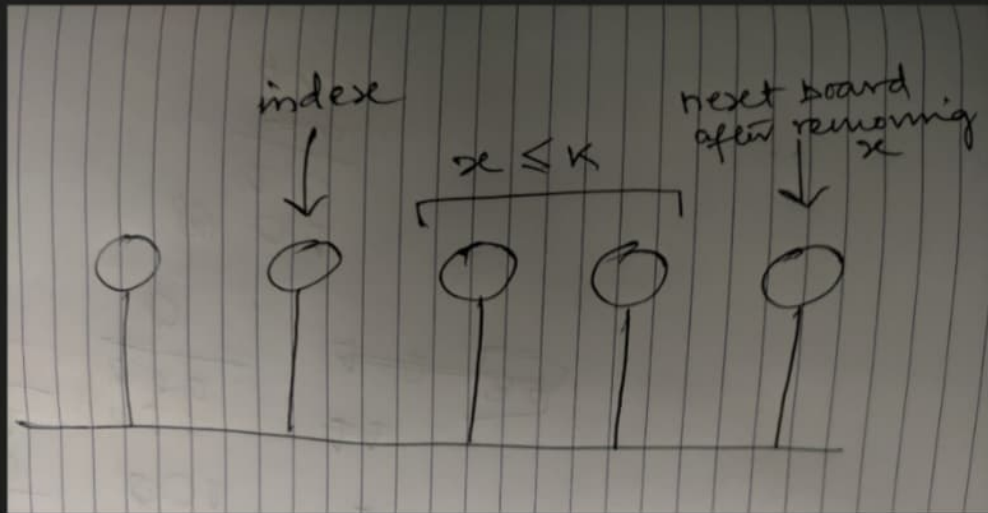


An image representation for better understanding:



So, our final function stands at:

```
int f(int index, int k)    // index = current position, k = remaining removals
{
    if(index > n)          // index exceeds the last position , we return 0
        return 0;
    int ans=INT_MAX;
    for(int i = 0; i <= k; i++)
    {
        // since the last speedboard is at N, we check till N+1, we assign position[N+1]
        // as L initially, since it is the final destination
        if(index + i + 1 <= N + 1)
            ans=min(ans, dp(index + i + 1, k - i)); // the next index to be checked is after removing i-speedboards, k
                                                    // becomes k - i.
    }
    return ans;
}
```

