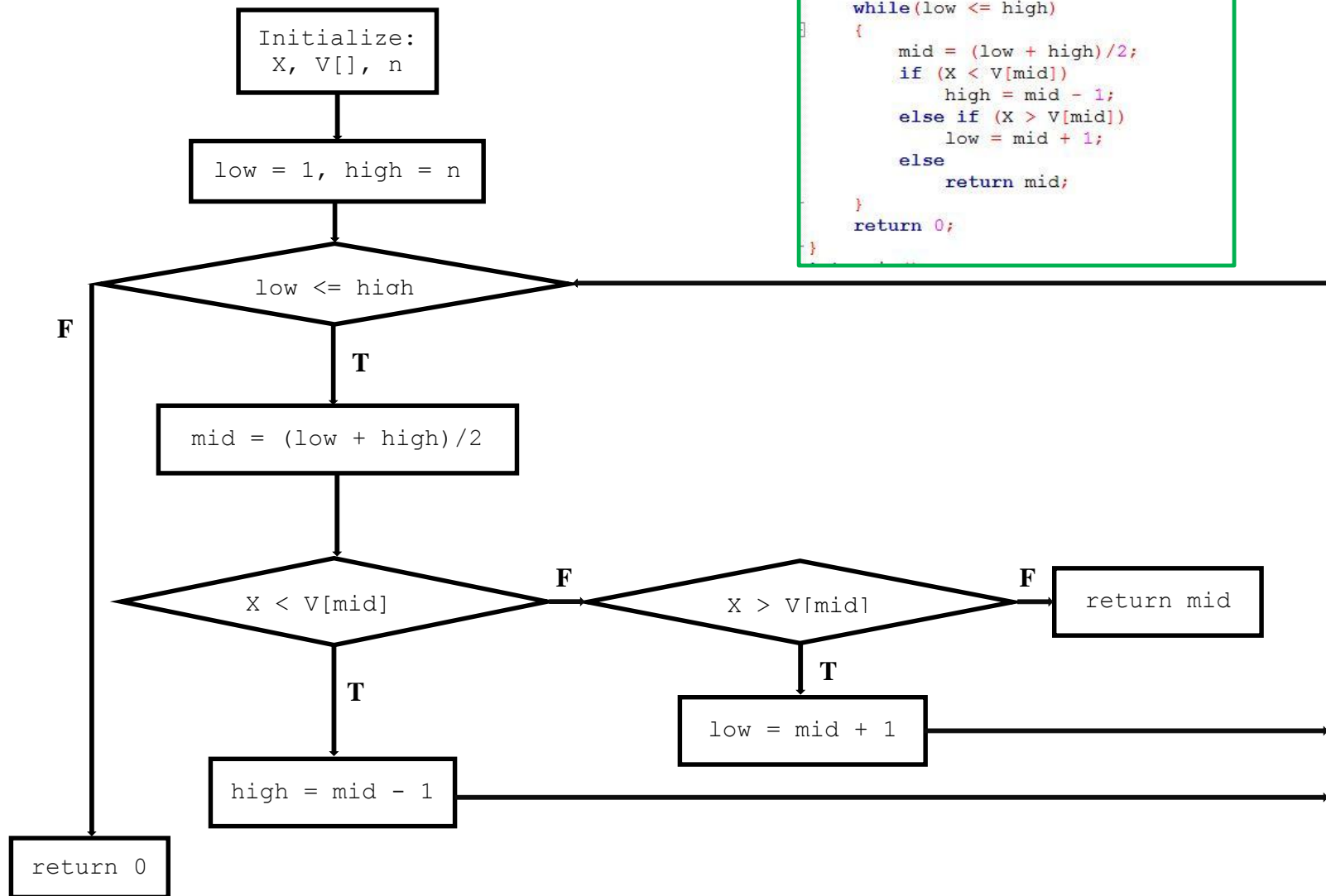


1. Draw a CFG for binsearch().



```
int binsearch(int X, int V[], int n)
{
    int low, high, mid;
    low = 1;
    high = n;

    while(low <= high)
    {
        mid = (low + high) / 2;
        if (X < V[mid])
            high = mid - 1;
        else if (X > V[mid])
            low = mid + 1;
        else
            return mid;
    }
    return 0;
}
```