Integer to a Roman numeral

To solve this problem of converting an integer to a Roman numeral, you'll want to simulate the greedy strategy of repeatedly subtracting the largest possible Roman value from num.

Key Insight: Create a list of values and their Roman numeral equivalents, sorted from largest to smallest, including the subtractive forms:

Value:	1000	900	500	400	100	90	50	40	10	9	5	4	1
Symbol:	M	CM	D	CD	C	XC	L	XL	X	IX	V	IV	I

Strategy (Greedy Algorithm):

1. Start with the largest Roman value.
2. While num >= value, subtract value from num and append its corresponding symbol to the result.
3. Move to the next smaller Roman value.
4. Repeat until num == 0.

Example: num = 1994:

step-by-step using the table:

- 1000 → subtract once → "M" → num=994
- 900 → subtract once → "CM" → num = 94
- 90 → subtract once → "XC" → num = 4
- 4 → subtract once → "IV" → num = 0

final output: "MCMXCIV"

Tip: This approach avoids all complicated digit parsing (units/tens/etc). You don't need to split num into decimal places - the table handles it.

Table implementation: Start by building two arrays:

```
int values[] = {...};
string symbols[] = {...};
```

Then iterate through them with a loop using the greedy logic.